ISMRM
AND
ISMRT
A SECTION OF THE ISMRM

ONE COMMUNITY
IMPROVING LIFE THROUGH MAGNETIC RESONANCE

ISMRM & ISMRT

ANNUAL MEETING & EXHIBITION

Singapore

04-09 MAY **2024**
SUNTEC SINGAPORE

www.ismrm.org | www.ismrt.org

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The International Society for Magnetic Resonance in Medicine and the International Society for MR Radiographers & Technologists gratefully acknowledge the following corporate members who have elected to commit generous support to the scientific and educational activities of the Society.

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Welcome to Singapore!

Derek K. Jones, Ph.D. | 2023-2024 ISMRM President

Hello Friends,

I'm absolutely thrilled to welcome you all to the 2024 ISMRM & ISMRT Annual Meeting & Exhibition here in Singapore! It is hard to believe that it has been 8 years since we were last here for the 24th Annual Meeting, but it's a huge pleasure to be welcoming you back to this vibrant country.

It is a running joke between successive program chairs that the current year's meeting is the "best ever," but on this occasion, there's no joke! Under this year's theme of Connecting the World of MR, thanks to the unparalleled organisational skills and leadership of Brian Hargreaves (Annual Meeting Program Chair) and Kei Yamada (Vice-Chair), and the entire Annual Meeting Program Committee, you really are in for something special!

Here's a few "Don't Miss" Highlights:

NAMED LECTURES
We have a stellar lineup of Named Lecturers. On Sunday (Plenary Hall, 17:45 SGT), Andrew Webb will deliver the Lauterbur Lecture entitled "Accessible MRI: No Surrender." On Tuesday morning (Plenary Hall, 10:30 SGT), our NIBIB New Horizons Lecturer, Ileana Jelescu, will tell us about her "Random Walks Toward an In Vivo MR Microscope." On Wednesday (Plenary Hall, 10:30 SGT), Sean Deoni, Senior Program Officer at the Bill & Melinda Gates Foundation, will deliver the Ernst Lecture entitled "Improving Newborn & Child Health in Low-Resource Settings: The Role & Challenges for Portable MRI." Closing off the week, on Thursday evening (Plenary Hall, 18:30 SGT), Mark Schweitzer, Editor-in-Chief of *JMRI*, will address the important topic of "Ethical Issues in MRI AI Research."

PLENARIES
Each weekday morning, our plenary sessions have something for everyone. Whether it's learning about: ***Low Field MRI: New Opportunities*** (Monday); ***Imaging the Invisible: Mild Traumatic Brain Injury*** (Tuesday); ***Synergies & Lessons from Innerspace to Outer Space*** (Wednesday); or all about ***Water & Energy Exchange in MR*** (Thursday). These sessions are targeted at the general ISMRM audience and always worth an hour of your time!

CLINICAL FOCUS MEETING (CFM) & CLINICAL UNMET NEEDS CHALLENGE
Want to learn about the latest innovations and techniques in MRI to enhance your patient care? This year's Clinical Focus Meeting will be on **MRI: Transforming Diagnosis & Care in Trauma**, with 15 focused sessions and 28 hours of dedicated content aimed at physicians using MRI in clinical practice or research. Stay at the forefront of trauma assessment with MRI. Also, don't miss the ***Clinical Translation: Unmet Needs Challenge*** session on Tuesday afternoon (Summit 2, 13:30 SGT).

EQUITY, DIVERSITY & INCLUSION (EDI) FORUM
Come to Room 331-332 on Monday, (18:15-20:15 SGT) to discuss, share, and learn about issues, good practice or concerns in relation to equality, diversity, and inclusivity in our Society and magnetic resonance community more broadly.

SPECIAL SESSIONS
I'd like to highlight three special sessions that you don't want to miss. On Monday morning (Room 325-326, 08:15 SGT), hear about ***Democratising MRI: Maximising Impact in Low-Resource Settings*** from radiologists, radiographers, physicists, and funders. Later in the day (Room 334-336, 16:00 SGT), come for an overview of current and future challenges for ***Environmental Sustainability & MRI***. On Thursday (Plenary Hall, 10:45 SGT) there's a very special opportunity to hear directly from a local Singaporean patient whose health management was directly impacted by MRI in the ***We Are One*** session. Finally, on Thursday evening (Room 334-336, 16:00 SGT), come to look both backward and forward at ***2016-2024: The Evolution of Ideas from Singapore 2016***.

GOLD CORPORATE SYMPOSIA
We're super grateful to our Gold Corporate Members for their support. Be sure to attend their Gold Corporate Symposia: Philips on Sunday (Summit 2, 12:00 SGT); Siemens Healthineers on Monday (Plenary Hall, 12:30 SGT); Canon Medical on Tuesday (Plenary Hall, 12:15 SGT); GE Healthcare on Wednesday (Plenary Hall, 12:15 SGT); and United Imaging Healthcare on Thursday (Plenary Hall, 12:30 SGT).

There's so much more to enjoy at the meeting, whatever area you work in. I strongly encourage you to drop in to a session that's outside of your usual comfort zone. You never know what you might learn!

THANK YOU!
In closing, I want to thank many people. First, thank you to the Bill and Melinda Gates Foundation who have, once again, provided support for attendees to come to our meeting that would not normally have the chance. Second, I'd like to thank all individuals and vendors who have contributed to the cause of "Democratising MRI." You'll hear more about them in my opening address on Sunday. Third, I'd like to thank the incredible ISMRM Central Office who work tirelessly, and miraculously, to make it all seem so easy for a meeting of this size to suddenly appear. And, of course, all of this is under the impressive leadership of our newly appointed Executive Director, Anne-Marie Kahrovic!

Finally, I'd like to thank you for making the decision to attend our 2024 Annual Meeting. Your support is deeply appreciated. I sincerely hope you enjoy the meeting … and that we get a chance to shake hands and say hello!

With my very best wishes,

D.K. Jones

Derek K. Jones, Ph.D.
2023-2024 ISMRM President

In Singapore, the extraordinary awaits.

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Erpeng Dai, Ph.D.
Maria Engel, Ph.D.
Agah Karakuzu, Ph.D.
Mingming Wu, Ph.D.

MEETING REGISTRATION & BADGE PICKUP

DATE	TIME	LOCATION
Friday, 03 May	14:00-19:00	Concourse 2-3 on Level 3
Saturday, 04 May	06:30-18:00	
Sunday, 05 May	07:00-19:00	
Monday, 06 May	06:30-18:30	
Tuesday, 07 May	07:00-18:00	
Wednesday, 08 May	07:00-17:45	
Thursday, 09 May	07:00-18:00	

SPEAKER READY ROOM (Audiovisual Preview)

DATE	TIME	LOCATION
Friday, 03 May	14:00-20:00	Room 328-329
Saturday, 04 May	07:00-17:00	
Sunday, 05 May	07:00-18:00	
Monday, 06 May	06:30-18:00	
Tuesday, 07 May		
Wednesday, 08 May		
Thursday, 09 May	06:30-17:00	

POSTER HALL HOURS

DATE	TIME	LOCATION
Monday, 06 May	07:00-20:00	Exhibition Hall
Tuesday, 07 May		
Wednesday, 08 May		
Thursday, 09 May	07:00-16:30	

EXHIBITION HALL HOURS

DATE	TIME	LOCATION
Monday, 06 May	10:00-17:00	Exhibition Hall
Tuesday, 07 May		
Wednesday, 08 May		
Thursday, 09 May	10:00-16:30	

SOCIAL EVENTS

DATE	TIME	EVENT	LOCATION
Sunday, 05 May	18:30-20:00	Opening Reception	Exhibition Hall
Thursday, 08 May	19:30-21:30	Closing Party	Next to Singapore Flyer

CORPORATE SYMPOSIA

DATE	TIME	PRESENTER	LOCATION
Sunday, 05 May	12:00-13:00	Philips Healthcare	Summit 2
Monday, 06 May	12:30-13:30	Siemens Healthineers	Plenary Hall (Hall 603-604)
Tuesday, 07 May	12:15-13:15	Canon Medical	Plenary Hall (Hall 603-604)
	18:00-20:00	Fujifilm Healthcare	Room 331-332
Wednesday, 08 May	12:15-13:15	GE Healthcare	Plenary Hall (Hall 603-604)
Thursday, 09 May	12:30-13:30	United Imaging Healthcare	Plenary Hall (Hall 603-604)

ISMRM RESEARCH & EDUCATION FUND DONOR LOUNGE

DATE	TIME
Saturday, 04 May-Thursday, 09 May	08:00-18:00

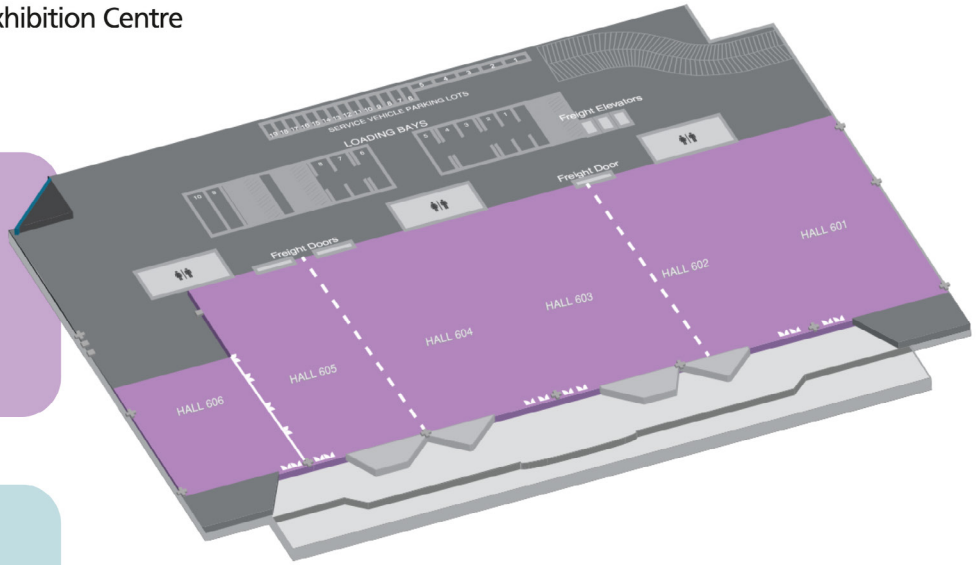
In appreciation of your donation of US$200.00 or more to the ISMRM Research & Education Fund, we invite you to enjoy the ISMRM Donor Lounge. See an ISMRM representative to make a donation and learn the location.

Suntec SINGAPORE
Convention & Exhibition Centre

LEVEL 6

Plenary Hall

Session Room



LEVEL 4

Exhibition Hall

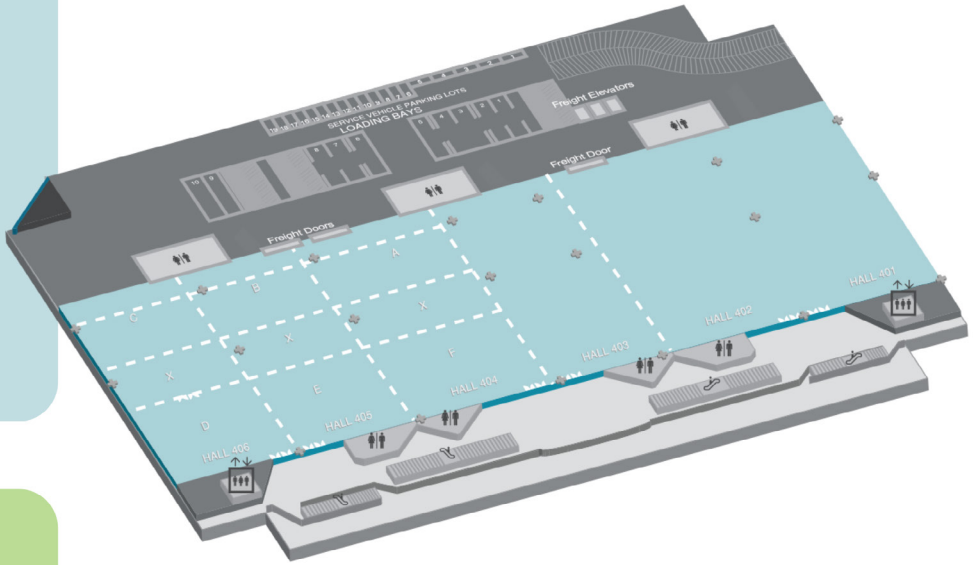
Fireside Chat

ISMRT Session Rooms

Posters

Power Pitch Theatres

Resonarium



LEVEL 3

Session Rooms

Committee Meeting Rooms

Donor Lounge

Mothers Room

Prayer Room

Registration

Speaker Ready Room

Study Group
Business Meeting Rooms

ATTENDEE CODE OF CONDUCT

The ISMRM & ISMRT ("The Society") aim to promote research, development, education and policy formation in the area of magnetic resonance in medicine and biology and related topics. The Society is a diverse society of trainees and professionals from across the world, with widely varying availability of resources and differing issues in the practices of medicine and research. We expect all members to promote an inclusive and supportive environment at the annual meeting that encourages sharing of ideas and collaboration, through these and similar behaviors:

- Engaging with people from different regions, backgrounds, levels of training, subspecialty areas of expertise, and career level.
- Being respectful of different viewpoints, experiences, and approaches.
- Accepting and providing feedback and criticism in a constructive, supportive, and objective manner.
- Evaluating the merits of others' work objectively and constructively.
- Focusing on the best interests of the Society and the field as a whole.

Certain behaviors are contrary to the principles of the Society and the goals of the annual meeting. Examples of unacceptable behavior include, but are not limited to:

- Harassment, intimidation, or discrimination in any form.
- Physical or verbal abuse of any attendee, speaker, volunteer, exhibitor, Central Office staff member, service provider, or other meeting guest. Examples of verbal abuse include, but are not limited to, verbal comments related to gender, sexual orientation, disability, physical appearance, body size, race, religion, national origin, inappropriate use of nudity and/or sexual images in public spaces or in presentations, or threatening or stalking any attendee, speaker, volunteer, exhibitor, Central Office staff member, service provider, or other meeting guest.
- Disruption of presentations during any scientific, plenary or educational sessions, in the exhibit hall, or at other events organized by ISMRM at the meeting venue, hotels, or other ISMRM-contracted facilities or throughout the virtual meetings.
- Continuing to initiate interaction (including photography or recording) with someone after being asked to stop.
- Publication of private communication without consent.

The Society has zero tolerance for any form of discrimination, racism or harassment, including but not limited to sexual harassment by participants or our staff at our meetings. If you experience harassment or hear of any incidents of unacceptable behavior, the Society asks that you inform Anne-Marie Kahrovic, Executive Director, at anne-marie@ismrm.org so that we may take the appropriate action.

The Society reserves the right to remove any individuals violating the Code of Conduct from the session or meeting, in response to any incident of unacceptable behavior, and the Society reserves the right to prohibit attendance at any future meeting, virtually or in person.

- Please turn off or mute all cell phones.
- Video recording in session rooms is not permitted.
- Children 14 and under are not allowed in the session rooms or on the exhibition floor.
- Please find a seat. Standing is not permitted.
- Please be aware all comments and questions are being streamed to the virtual audience.

CREDIT DESIGNATION

The International Society for Magnetic Resonance in Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Please check the Annual Meeting website for most up-to-date information on credits.

ISMRM ACCREDITATION

The International Society for Magnetic Resonance in Medicine designates this live activity for a maximum of 49.50 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Weekday sessions comprising educational and scientific sessions every full hour of attendance is equivalent to 1.00 *AMA PRA Category 1 Credit™*. Up to 34.00 *AMA PRA Category 1 Credits™* can be received during the Monday through Thursday sessions. Study group meetings, lunchtime programs, symposia, tutorials (unless otherwise noted), poster sessions, and power pitches are not certified for credit.

See credits available below and on the following page for weekend session breakdowns.

TO RECEIVE CREDIT

If you wish to receive credit and/or a certificate of participation, you must record your attendance by completing and submitting evaluation forms online. The evaluation is entirely online; there are no paper forms. Participants who complete their forms online will immediately be able to print certificates showing the number of credits or hours earned.

You can access the ISMRM website at any time with your own computer. Evaluations will be available for two (2) months after the end of the meeting.

Saturday, 04 May 2024	
SESSION NAME	**CREDITS**
What Can I Do Next? Careers Inside & Outside Academia	3.00
MR Physics I	3.50
A Cookbook for Validating Contrast Mechanisms for Clinical Use	3.50
Imaging of Fibrosis Across the Body	3.00
fMRI for All	3.25
X-Nuclei & Spectroscopy: Everything, Everywhere but Not Quite All at Once	3.50
Clearing the Path: Tackling Motion & Susceptibility Artifacts in MRI	3.50
Advances in Gastrointestinal MRI	3.25
Introduction to Trauma	3.25
MR Physics II	3.00
Emerging Acquisitions & Analysis for EPI-Based Applications	3.50
IVIM Across-Organs	3.00
Quantitative Neuroimaging in the Era of Precision Health & Personalized Medicine	3.25
Gender Imaging: Prostate & Female Pelvis	3.25
Getting Things Moving: Basic MRI & AI in Musculoskeletal Imaging	3.25
Managing Innovation at the Interface Between Academia & the Industry	3.00

Sunday, 05 May 2024	
SESSION NAME	**CREDITS**
Is There a Role for MRI in Acute Body & MSK Trauma?	1.25
Body Trauma: Scalpels, Seatbelts & Childbirth	1.50
MR Engineering I: MRI System (Non-RF)	3.00
Advances in Perinatal MRI	3.25
Pulse Sequence Design	3.50
MRI Safety	3.00
MR Contrasts Across Field Strengths: When Is Less More?	3.25
Basics of Cardiovascular MR	3.25
Unveiling the Invisible: MRI's Potential Role in Assessing Child Abuse	1.50
From Cradle to "Gray": Imaging of Trauma Across a Lifespan	1.50
MR Engineering II: RF Engineering	3.00
On the Run: Advanced MRI in Musculoskeletal Imaging	3.25
Classical & AI Methods for Image Recon: From Fundamentals to Translation	3.25
Brain Thermometry: MR Measurements, Modeling & Clinical Applications	3.00
Advanced Cardiovascular MRI Techniques	3.25
Breast MRI from Basics to Cutting-Edge Advances	2.00

CLINICAL FOCUS MEETING
MRI: Transforming Diagnosis & Care in Trauma

Registration of the CFM means access to all courses on Saturday, 04 May 2024 – Tuesday, 07 May 2024 and eligibility to claim up to a maximum of 27.25 *AMA PRA Category 1 Credits™*. The following courses are focused on Trauma:

DATE	TITLE	TIME	ROOM	CREDITS
Saturday, 04 May	*Introduction to Trauma *** *** Included as an optional session*	13:00-16:50	Summit 1	*3.25 CME*
Sunday, 05 May	*Is There a Role for MRI in Acute Body & MSK Trauma?*	07:45-09:55	Summit 1	*1.50 CME*
	Body Trauma: Scalpels, Seatbelts & Childbirth	09:50-11:30	Summit 1	*2.00 CME*
	Unveiling the Invisible: MRI's Potential Role in Assessing Child Abuse	13:15-15:20	Summit 1	*1.50 CME*
	From Cradle to "Gray": Imaging of Trauma Across a Lifespan	15:20-17:00	Summit 1	*1.50 CME*
Monday, 06 May	*Inside the Backbone: Exploring Spine & Spinal Cord Trauma with MRI*	07:00-08:00	Summit 1	*1.00 CME*
	ISMRM-ISMRT Joint Forum	08:15-09:55	Summit 1	*1.50 CME*
	Monday Plenary Session - *Low Field MRI: New Opportunities*	11:15-12:15	Plenary Hall	*1.00 CME*
	Forensic & Histology MRI: Bridging Physics, Biology & Pathology	13:45-15:25	Summit 1	*1.50 CME*
	Imaging Trauma in the Cardiovascular System	13:45-15:45	Summit 2	*2.00 CME*
	Advanced MRI Methods in CNS Trauma	16:00-18:00	Summit 1	*2.00 CME*
Tuesday, 07 May	*Seeing the Unseen: MRI in Traumatic Musculoskeletal Disease*	07:00-08:00	Summit 1	*1.00 CME*
	Which MRI Contrast for TBI Assessment?	08:15-10:15	Summit 1	*2.00 CME*
	Tuesday Plenary Session - *Imaging the Invisible: Mild Traumatic Brain Injury (mTBI)*	10:30-12:00	Plenary Hall	*1.50 CME*
	Psychological & Chronic Brain Trauma	13:30-15:30	Summit 1	*2.00 CME*
	Advanced MRI Methods in MSK Trauma	15:45-17:45	Nicoll 1	*2.00 CME*

CLINICAL FOCUS MEETING: MRI: Transforming Diagnosis & Care in Trauma	*27.25 AMA PRA Category 1 Credits™*

View the full **ISMRT PROGRAM** on page 77.

ISMRM Annual Meeting & Exhibition

PROGRAM-AT-A-GLANCE

DAY 1: SATURDAY, 04 MAY

Registration Hours: 06:30-18:00

SATURDAY • MORNING SESSIONS • 08:00-12:00

Educational: Transferable Skills	Educational: Physics & Engineering	Educational: Contrast Mechanisms	Educational: Cross-Organ	Educational: Neuro
What Can I Do Next? Careers Inside & Outside Academia **Summit 1** ***CME***	MR Physics I Summit 2 *CME*	A Cookbook for Validating Contrast Mechanisms for Clinical Use Nicoll 1 *CME*	Imaging of Fibrosis Across the Body Nicoll 2 *CME*	fMRI for All Nicoll 3 *CME*

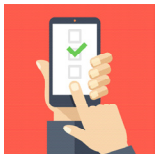
Educational: Contrast Mechanisms	Educational: Acquisition & Analysis	Educational: Body	Educational: ISMRT
X-Nuclei & Spectroscopy: Everything, Everywhere but Not Quite All at Once Room 331-332 *CME*	Clearing the Path: Tackling Motion & Susceptibility Artifacts in MRI Room 334-336 *CME*	Advances in Gastrointestinal MRI Room 325-326 *CME*	ISMRT Annual Meeting Morning Sessions Halls 406D & 405E *CE*

12:00-13:00	Lunch

SATURDAY • AFTERNOON SESSIONS • 13:00-17:00

Educational: Cross-Organ	Educational: Physics & Engineering	Educational: Acquisition & Analysis	Educational: Cross-Organ	Educational: Neuro
Introduction to Trauma  Summit 1 *CME*	MR Physics II Summit 2 *CME*	Emerging Acquisitions & Analysis for EPI-Based Applications Nicoll 1 *CME*	IVIM Across Organs Nicoll 2 *CME*	Quantitative Neuroimaging in the Era of Precision Health & Personalized Medicine Nicoll 3 *CME*

Educational: Body	Educational: Musculoskeletal	Educational: Transferable Skills	Educational: ISMRT
Gender Imaging: Prostate & Female Pelvis Room 331-332 *CME*	Getting Things Moving: Basic MRI & AI in Musculoskeletal Imaging Room 334-336 *CME*	Managing Innovation at the Interface Between Academia & the Industry Room 325-326 *CME*	ISMRT Annual Meeting Afternoon Sessions Halls 406D & 405E *CE*



Schedules may have changed since printing.
Please check the ISMRM & ISMRT Annual Meeting & Exhibition 2024 Program-At-A-Glance online for the most current information.

View the full **ISMRT PROGRAM** on page 77.

DAY 2: SUNDAY, 05 MAY

Registration Hours: 07:00-19:00

SUNDAY • MORNING SESSIONS • 07:45-11:45 *(Sessions are 4 hours unless otherwise noted.)*

Educational: Transferable Skills	Educational: Body	Educational: Physics & Engineering	Educational: Cross-Organ	Educational: Acquisition & Analysis
07:45-10:00 Is There a Role for MRI in Acute Body & MSK Trauma?  Summit 1 *CME*	*10:00-11:40* Body Trauma: Scalpels, Seatbelts & Childbirth  Summit 1 *CME*	MR Engineering I: MRI System (Non-RF) Summit 2 *CME*	Advances in Perinatal MRI Nicoll 1 *CME*	Pulse Sequence Design Nicoll 2 *CME*

Educational: Physics & Engineering	Educational: Contrast Mechanisms	Educational: Cardiovascular	Member-Initiated Session	Member-Initiated Session
MRI Safety Nicoll 3 *CME*	MR Contrasts Across Field Strengths: When Is Less More? Room 331-332 *CME*	Basics of Cardiovascular MR Room 334-336 *CME*	*07:45-09:45* From Basics to Applications: MRI of Neuromodulation Using TMS & FUS Room 325-326 *(No CME Available)*	*9:45-11:45* Ultrahigh Spatial Resolution Imaging in the Presence of Motion Room 325-326 *(No CME Available)*

ISMRT
ISMRT Annual Meeting Morning Sessions Halls 406D & 405E *CE*

11:45-13:15	Lunch

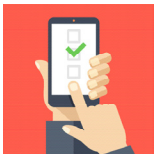
GOLD CORPORATE SYMPOSIUM *(No CME Available)*

Philips Healthcare

12:00-13:00

Summit 2

Schedules may have changed since printing.
Please check the ISMRM & ISMRT Annual Meeting & Exhibition 2024 Program-At-A-Glance online for the most current information.



View the full **ISMRT PROGRAM** on page 77.

DAY 2: SUNDAY, 05 MAY

Registration Hours: 07:00-19:00

SUNDAY • AFTERNOON SESSIONS • 13:15-17:15

Educational: Cross-Organ	Educational: Acquisition & Analysis	Educational: Physics & Engineering	Educational: Musculoskeletal	Educational: Acquisition & Analysis
13:15-15:20 Unveiling the Invisible: MRI's Potential Role in Assessing Child Abuse  Summit 1 *CME*	*15:20-17:00* From Cradle to "Gray": Imaging of Trauma Across a Lifespan  Summit 1 *CME*	MR Engineering II: RF Engineering Summit 2 *CME*	On the Run: Advanced MRI in Musculoskeletal Imaging Nicoll 1 *CME*	Classical & AI Methods for Image Recon: From Fundamentals to Translation Nicoll 2 *CME*

Educational: Neuro	Educational: Cardiovascular	Educational: Body	Member-Initiated Session	Member-Initiated Session
Brain Thermometry: MR Measurements, Modeling & Clinical Applications Nicoll 3 *CME*	Advanced Cardiovascular MRI Techniques Room 331-332 *CME*	Breast MRI from Basics to Cutting-Edge Advances Room 334-336 *CME*	*13:15-15:15* Recent Progress on Open-Source Low-Field Portable MRI Room 325-326 *(No CME Available)*	*15:15-17:15* MRI Standards & Metrology: From Pulse Sequence to Measurement to Interpretation Room 325-326 *(No CME Available)*

ISMRT
ISMRT Annual Meeting Afternoon Sessions Halls 406D & 405E *CE*

Opening Session

Room: Plenary Hall (Hall 603 & 604)

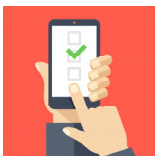
CME, CE

17:20	Welcome	Derek Jones, Ph.D., 2023-24 ISMRM President Brian Hargreaves, Ph.D., 2023-24 ISMRM Program Chair
Lauterbur Lecture		
17:45	*Accessible MRI: No Surrender*	Andrew G. Webb, Ph.D.
18:30	Adjourn	

ISMRM OPENING RECEPTION

18:30-20:00

Exhibition Hall (Hall 403)



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DAY 3: MONDAY, 06 MAY

Registration Hours: 06:30-18:30
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

MONDAY • SUNRISE SESSIONS • 07:00-08:00

Educational: Musculoskeletal	Educational: Physics & Engineering	Educational: Contrast Mechanisms	Educational: Body	Educational: Cardiovascular
Inside the Backbone: Exploring Spine & Spinal Cord Trauma with MRI  Summit 1 *CME*	Surprising Aspects of MRI Physics: What Would MacGyver Do To Detect Motion & Frequency Shifts? Summit 2 *CME*	Absolute Beginner's Guide to Diffusion Imaging Nicoll 2 *CME*	AI for Improved Patient Care: Game or Game-Changer? Nicoll 3 *CME*	Cardiology for Physicists: Measure What Matters Hall 606 *CME*

Educational: Neuro	Educational: Acquisition & Analysis	Educational: Transferable Skills
All About Head & Neck: Hemorrhage, Stroke & Beyond I: Imaging of Non-Hemorrhagic Stroke Room 331-332 *CME*	Quantification & Analysis: Relaxation Room 334-336 *CME*	Unlocking Productivity & Impact in Teaching & Publishing I Room 325-326 *CME*

08:00-08:15	Break

MONDAY • MORNING SESSIONS • 08:15-10:15

Educational Sessions

Special Session	Special Session
ISMRM-ISMRT Joint Forum  Summit1 *CME, CE*	Democratising MRI: Maximising Impact in Low Resource Settings Room 325-326

Scientific Sessions

Special Session	Scientific: Neuro	Scientific: Neuro	Scientific: Acquisition & Analysis	Scientific: AI & Machine Learning
YIA Session Summit 2	Radiomics & Imaging Biomarkers in Brain Tumors Nicoll 1	All About Choroid Plexus Nicoll 2	Image Reconstruction Nicoll 3	AI/ML Driven Reconstruction Techniques for Dynamic MRI Hall 606

Scientific: Preclinical	Scientific: Body
Metabolism & Mechanics in Animal Models Room 331-332	A Breath of Fresh Air: What's New in Lung MRI Room 334-336

Continued on next page.

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DAY 3: MONDAY, 06 MAY

Registration Hours: 06:30-18:30
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

Other Sessions

Study Group Business Meetings	Study Group Business Meetings	Study Group Business Meetings	Power Pitch Session Neuro	Power Pitch Session Cardiovascular
08:15 - 09:15 Electro-Magnetic Tissue Properties Room 303-304 *(No CME Available)*	*08:15 - 09:15* Reproducible Research Room 324 *(No CME Available)*	MR of Cancer 09:15-10:15 Room 324 *(No CME Available)*	Stroke Power Pitch Theatre 1 *(No CME Available)*	Flow & Angiography in the Heart & Great Vessels Power Pitch Theatre 2 *(No CME Available)*

Power Pitch Session Diffusion	Digital Posters		Traditional Posters	
Diffusion Clinical Applications Power Pitch Theatre 3 *(No CME Available)*	*08:15-09:15* Body Cardiovascular Musculoskeletal Physics & Engineering Exhibition Hall *(No CME Available)*	*09:15-10:15* Cardiovascular CFM Musculoskeletal Physics & Engineering Exhibition Hall *(No CME Available)*	*08:15-09:15* Quantitative Imaging for Body Applications Exhibition Hall *(No CME Available)*	*09:15 - 10:15* Quantitative Susceptibility Mapping How Much? Quantitative MRI Exhibition Hall *(No CME Available)*

10:15-10:30	Break

Plenary Session

Plenary Hall (Hall 603-604)

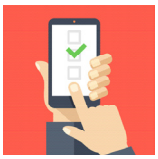
10:30	ISMRM Awards: Junior Fellows, Senior Fellows & Gold Medals	Derek K. Jones, Ph.D., 2023-24 ISMRM President

Low Field MRI: New Opportunities
Organizers: Adrienne Campbell-Washburn, Shaoying Huang, Katy Keenan, Najat Salameh & Mathieu Sarracanie

11:15	*New Contrasts*	David Lurie, Ph.D.
11:35	*New Applications/Techniques*	Kevin Sheth, M.D.
11:55	*New Access*	Clarissa Cooley, Ph.D.
12:15	Adjourn	

12:15-13:45	Lunch

GOLD CORPORATE SYMPOSIUM *(No CME Available)*
Siemens Healthineers
12:30-13:30
Plenary Hall (Hall 603-604)



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DAY 3: MONDAY, 06 MAY

Registration Hours: 06:30-18:30
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

MONDAY • AFTERNOON SESSIONS • 13:45-15:45

Educational Sessions

Educational: Physics & Engineering	Educational: Cardiovascular
Forensic & Histology MRI: Bridging Physics, Biology & Pathology  Summit 1 *CME*	Imaging Trauma in the Cardiovascular System  Summit 2 *CME*

Scientific Sessions

Scientific: Neuro	Scientific: Acquisition & Analysis	Scientific: Physics & Engineering	Scientific: fMRI	Scientific: Body
Age-Related Changes in the Brain Nicoll 1	Quantitative Image Acquisition Nicoll 2	Low-Field High-Quality MRI Nicoll 3	Non-BOLD fMRI Hall 606	Female Pelvis: Obstetrics to Oncology Room 331-332

Scientific: Contrast Mechanisms	Scientific: Preclinical
Electromagnetic Tissue Properties Room 334-336	Therapeutic Evaluations in Animal Models Room 325-635

Other Sessions

Study Group Business Meetings	Study Group Business Meetings	Study Group Business Meetings	Power Pitch Session Body	Power Pitch Session Contrast Mechanisms
13:45-14:45 Perfusion Room 303-304 *(No CME Available)*	*13:45-14:45* Interventional MR Room 324 *(No CME Available)*	*14:45 - 15:45* MR Spectroscopy Room 324 *(No CME Available)*	MRE, Diffusion & APT for Body Applications Power Pitch Theatre 1 *(No CME Available)*	Metabolic & Hyperpolarized MR Power Pitch Theatre 2 *(No CME Available)*

Power Pitch Session Analysis Methods	Digital Posters		Traditional Posters
Software Tools Power Pitch Theatre 3 *(No CME Available)*	*13:45-14:45* AI & Machine Learning Cardiovascular Contrast Mechanisms Neuro YIA Exhibition Hall *(No CME Available)*	*14:45-15:45* Acquisition & Reconstruction AI & Machine Learning Neuro YIA Exhibition Hall *(No CME Available)*	*13:45 - 14:45* AI/ML for Image Analysis, Diagnosis & Predictive Insights Exhibition Hall *(No CME Available)*

15:45-16:00	Break

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DAY 3: MONDAY, 06 MAY

Registration Hours: 06:30-18:30
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

MONDAY • EVENING SESSIONS • 16:00-18:00

Special Session

Special Session
Environmental Sustainability & MRI Room 334-336 *(No CME Available)*

Scientific Sessions

Special Session: Clinical Focus Meeting	Scientific: Neuro	Scientific: Body	Scientific: Acquisition & Reconstruction	Scientific: Cardiovascular
Advanced MRI Methods in CNS Trauma  Summit 1	Imaging for Deeper Insight into Early Parkinsonism Summit 2	New Perspectives in Prostate Cancer Imaging Nicoll 1	Applications of Advanced Acquisition & Reconstruction Nicoll 2	New Horizons in Cardiac MRI for Structural, Valvular & Congenital Heart Disease Nicoll 3

Scientific: Contrast Mechanisms	Scientific: Pediatrics
Good Old Proton Spectroscopy Hall 606	Pediatric Body & Lung Imaging Room 331-332

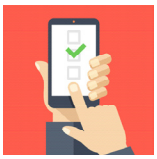
Other Sessions

Study Group Business Meetings	Study Group Business Meetings	Study Group Business Meetings	Power Pitch Session fMRI	Power Pitch Session AI & Machine Learning
16:00-17:00 Imaging Neurofluids Room 303-304 *(No CME Available)*	*16:00-17:00* Musculoskeletal MR Room 324 *(No CME Available)*	*17:00-18:00* Body MRI Room 324 *(No CME Available)*	fMRI: Vessels, Networks & Analysis Power Pitch Theatre 1 *(No CME Available)*	AI-Empowered Image Reconstruction Power Pitch Theatre 2 *(No CME Available)*

Power Pitch Session Neuro	Digital Posters		Traditional Posters	
Neuro-Oncology Power Pitch Theatre 3 *(No CME Available)*	*08:15-09:15* AI & Machine Learning Analysis Methods Contrast Mechanisms Diffusion Neuro Exhibition Hall *(No CME Available)*	*09:15-10:15* AI & Machine Learning Musculoskeletal Neuro Exhibition Hall *(No CME Available)*	*16:00-17:00* Advances in Image Contrast Exhibition Hall *(No CME Available)*	*17:00-18:00* Physics & Engineering Jambalaya Exhibition Hall *(No CME Available)*

EDI FORUM

18:15-20:15
Room 331-332
(No CME Available)



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DAY 4: TUESDAY, 07 MAY

Registration Hours: 07:00-18:00
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

TUESDAY • SUNRISE SESSIONS • 07:00-08:00

Educational: Musculoskeletal	Educational: Physics & Engineering	Educational: Contrast Mechanisms	Educational: Body	Educational: Cardiovascular
Seeing the Unseen: MRI in Traumatic Musculoskeletal Disease  Summit 1 *CME*	Surprising Aspects of MRI Physics: How To Manage Without Gradients for Spatial Encoding Summit 2 *CME*	Absolute Beginner's Guide to Fat-Water Separation Nicoll 2 *CME*	Hitting the Target: MR-Guided Focal Therapies Nicoll 3 *CME*	Cardiology for Physicists: Myocardial Ischemia & Infarction Hall 606 *CME*

Educational: Neuro	Educational: Acquisition & Analysis	Educational: Transferable Skills
All About Head & Neck: Hemorrhage, Stroke & Beyond II: Imaging Cerebrovascular Disease Room 331-332 *CME*	Quantification & Analysis: Diffusion Room 334-336 *CME*	Unlocking Productivity & Impact in Teaching & Publishing II Room 325-326 *CME*

08:00-08:15	Break

TUESDAY • MORNING SESSIONS • 08:15-10:15

Educational Sessions

Educational: Contrast Mechanisms	Special Session
Which MRI Contrast for TBI Assessment?  Summit 1 *CME*	Junior Fellows Symposium: Innovations & Future Perspectives in MRI Technology Summit 2 *CME*

Scientific Sessions

Scientific: Acquisition & Reconstruction	Scientific: Neuro	Scientific: Body	Scientific: AI & Machine Learning	Scientific: Body
Brain Motion Correction: Freeze, Don't Move! Nicoll 1	Tumors in the Brain, Head & Neck Nicoll 2	Extending Boundaries of Breast Cancer MRI Nicoll 3	Cutting-Edge MRI with Diffusion Probabilistic Modeling Hall 606	A Tale of Liver & Pancreas Room 331-332

Scientific: Neuro	Scientific: Analysis Methods
MRI for Psychopathology Room 334-336	Technology Covering Global MRI Access Room 325-326

Continued on next page.

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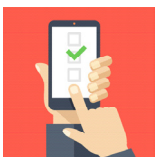


DAY 4: TUESDAY, 07 MAY

Registration Hours: 07:00-18:00
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

Other Sessions

Study Group Business Meetings	Study Group Business Meetings	Study Group Business Meetings	Power Pitch Session Interventional	Power Pitch Session Physics & Engineering
08:15-09:15 MR Elastography Room 303-304 *(No CME Available)*	*08:15-09:15* White Matter Room 324 *(No CME Available)*	*09:15-10:15* Low Field MRI Room 324 *(No CME Available)*	Interventional: MR-LINAC & Needle-Based Interventions Power Pitch Theatre 1 *(No CME Available)*	Extending the Applications of MRI at 5T & Above Power Pitch Theatre 2 *(No CME Available)*

Power Pitch Session Musculoskeletal	Digital Posters		Traditional Posters	
Nuts & Bolts: Technical Advances in MSK Power Pitch Theatre 3 *(No CME Available)*	*08:15-09:15* Contrast Mechanisms Diffusion Neuro Pediatrics Exhibition Hall *(No CME Available)*	*08:15-09:15* Contrast Mechanisms Diffusion Neuro Pediatrics Exhibition Hall *(No CME Available)*	*08:15-09:15* Neuroimaging in Animal Models Exhibition Hall *(No CME Available)*	*09:15-10:15* Cardiovascular Pathology in 3D, 4D & Beyond Exhibition Hall *(No CME Available)*

10:15-10:30	Break

Plenary Session

Plenary Hall (Hall 603-604)
CME, CE

NIBIB New Horizons Lecture

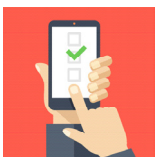
10:30	*Random Walks Toward an In Vivo MR Microscope*	Ileana O. Jelescu, Ph.D.

Imaging the Invisible: Mild Traumatic Brain Injury (mTBI)
Organizers: Nivedita Agarwal & Karin Markenroth Bloch

11:00	*Mild Traumatic Brain Injury Is Not Very Mild!*	Yvonne Lui, M.D.
11:20	*Preclinical Models of mTBI & MRI*	Inga Koerte, M.D., Ph.D.
11:40	*Advances in Human mTBI: Opportunities & Gaps in MRI*	David Wright, Ph.D.
12:00	Adjourn	

12:00-13:30	Lunch

GOLD CORPORATE SYMPOSIUM *(No CME Available)*
Canon Medical
12:15-13:15
Plenary Hall (Hall 603-604)



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DAY 4: TUESDAY, 07 MAY

Registration Hours: 07:00-18:00
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

TUESDAY • AFTERNOON SESSIONS • 13:30-15:30

Educational Sessions

Educational: Neuro	Special Session ISMRM Challenge
Psychological & Chronic Brain Trauma  Summit 1 *CME, CE*	Clinical Translation Challenge: Unmet Needs Summit 2 *CME*

Scientific Sessions

Scientific: Musculoskeletal	Scientific: Physics & Engineering	Scientific: fMRI	Scientific: Neuro	Scientific: Body
Slipping & Sliding: Imaging of Articular Cartilage Nicoll 1	Ultra-Challenging Ultra-High Field Applications Nicoll 2	BOLD Characteristics: Of Mice & Men Nicoll 3	Application of AI to Clinical Neuroradiology Hall 606	Cancer Biomarkers: Bench to Bedside Room 331-332

Scientific: Contrast Mechanisms	Scientific: Analysis Methods
MR Elastography Room 334-336	Quality Methods & Approaches for Multi-Site Studies Room 325-326

Other Sessions

Study Group Business Meetings	Study Group Business Meetings	Power Pitch Session Acquisition & Reconstruction	Power Pitch Session Diffusion	Power Pitch Session Cardiovascular
13:30-14:30 Metabolomics & Metabolomic Imaging Room 303-304 *(No CME Available)*	*14:30-15:30* Motion Detection & Correction Room 303-304 *(No CME Available)*	Quantitative Imaging Power Pitch Theatre 1 *(No CME Available)*	Validation & Simulation Power Pitch Theatre 2 *(No CME Available)*	Cardiovascular Tissue Characterization & Functional Assessment Power Pitch Theatre 3 *(No CME Available)*

Digital Posters		Traditional Posters	
13:30-14:30 Acquisition & Reconstruction Body Interventional Physics & Engineering Exhibition Hall *(No CME Available)*	*14:30-15:30* Acquisition & Reconstruction Body Diffusion Physics & Engineering Exhibition Hall *(No CME Available)*	*13:30-14:30* Neurofluid Imaging Exhibition Hall *(No CME Available)*	*14:30-15:30* Novel Interventional Methods Exhibition Hall *(No CME Available)*

15:30-15:45	Break

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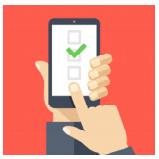


DAY 4: TUESDAY, 07 MAY

Registration Hours: 07:00-18:00
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

TUESDAY • EVENING SESSIONS • 15:45-17:45

Educational Session

Special Session ISMRM Challenge	Educational: Body
Repeat It with Me: Reproducibility Team Challenge Summit 2 *CME*	Kidney & Bladder: What's New? Summit 1 *CME*

Scientific Session

Scientific: Clinical Focus Meeting	Scientific: Diffusion	Scientific: AI & Machine Learning	Scientific: Acquisition & Reconstruction	Scientific: Physics & Engineering
Advanced MRI Methods in MSK Trauma  Nicoll 1 *CME*	Microstructure Nicoll 2	The Future of AI in MRI: Emerging Technologies & Directions Nicoll 3	Quantitative MR Imaging Reconstruction Hall 606	Designing Outside the Box: New Devices & New Systems Room 331-332.

Scientific: Cardiovascular	Scientific: Neuro
Myocardial Parametric Mapping Room 334-336	Dementia & Neurodegenerative Diseases Room 325-326

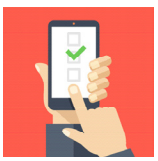
Other Sessions

Study Group Business Meetings	Study Group Business Meetings	Special Session	Study Group Business Meetings	Power Pitch Session Preclinical
15:45 - 16:45 Brain Function Room 303-304 *(No CME Available)*	*15:45 - 16:45* MR Engineering Room 324 *(No CME Available)*	*16:45-17:45* Journal Reviewer Training Room 303-304 *(No CME Available)*	*16:45-17:45* Ultra-High Field MR Room 324 *(No CME Available)*	Advanced MRI & MRS Biomarkers Power Pitch Theatre 1 *(No CME Available)*

Power Pitch Session Body	Power Pitch Session Neuro	Digital Posters		Traditional Posters
Progress in Body Applications Power Pitch Theatre 2 *(No CME Available)*	Blood Brain Barrier & Neuroinflammation Power Pitch Theatre 3 *(No CME Available)*	*15:45-16:45* Analysis Methods Contrast Mechanisms Neuro Exhibition Hall *(No CME Available)*	*16:45-17:45* Analysis Methods Contrast Mechanisms fMRI Neuro Exhibition Hall *(No CME Available)*	*15:45-16:45* B0 & B1 Coils & Phantoms Exhibition Hall *(No CME Available)*

17:45-18:00	Break

BRONZE CORPORATE SYMPOSIUM *(No CME Available)*
Fujifilm Healthcare
18:00-20:00
Room 331-332



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DAY 5: WEDNESDAY, 08 MAY

Registration Hours: 07:00-17:45
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

WEDNESDAY • SUNRISE SESSIONS • 07:00-08:00

Educational: Musculoskeletal	Educational: Physics & Engineering	Educational: Contrast Mechanisms	Educational: Body	Educational: Cardiovascular
Quantitative Cartilage Imaging Summit 1 *CME*	Surprising Aspects of MRI Physics: Beware or Befriend Eddy Currents & Lorenz Force Summit 2 *CME*	Absolute Beginner's Guide to fMRI Nicoll 2 *CME*	Pulmonary MRI: State of the Art Nicoll 3 *CME*	Cardiology for Physicists: Non-Ischemic Cardiomyopathy Hall 606 *CME*

Educational: Neuro	Educational: Acquisition & Analysis	Educational: Transferable Skills
All About Head & Neck: Imaging Brain Microstructure Room 331-332 *CME*	Quantification & Analysis: MRSI Room 334-336 *CME*	Unlocking Productivity & Impact in Teaching & Publishing III Room 325-326 *CME*

08:00-08:15	Break

WEDNESDAY • MORNING SESSIONS • 08:15-10:15

Educational Sessions

Educational: Acquisition & Analysis
From Low Field to High Field Summit 1 *CME*

Scientific Sessions

Scientific: AI & Machine Learning	Scientific: Neuro	Scientific: Musculoskeletal	Scientific: Body	Scientific: Acquisition & Reconstruction
AI/ML Supported Image Reconstruction Summit 2	AD Imaging: From Early Detection to Treatment Follow-Up Nicoll 1	Close to the Bone: Osteology & Soft Tissues Nicoll 2	Urinary Disturbance Nicoll 3	Cardiac & Abdominal Motion Correction: Freeze, Don't Move! Hall 606

Scientific: Physics & Engineering	Scientific: Neuro
Taking Off the Heat: Ensuring RF Safety Room 331-332	Diffusion Imaging of Neurofluids Room 334-336

Other Sessions

Member-Initiated Session	Study Group Business Meetings	Study Group Business Meetings	Study Group Business Meetings	Study Group Business Meetings
Wild Wild West: MR Physics in Clinical Practice Room 325-326 *(No CME Available)*	*08:15-09:15* X-Nuclei Imaging Room 303-304 *(No CME Available)*	*08:15-09:15* Diffusion Room 324 *(No CME Available)*	*09:15 - 10:15* Molecular & Cellular Imaging Room 303-304 *(No CME Available)*	*09:15-10:15* Quantitative MR Room 324 *(No CME Available)*

Continued on next page.

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DAY 5: WEDNESDAY, 08 MAY

Registration Hours: 07:00-17:45
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

Other Sessions

Power Pitch Session Pediatrics	Power Pitch Session Body	Power Pitch Session AI & Machine Learning	Digital Posters	
Perinatal MRI Power Pitch Theatre 1 *(No CME Available)*	Tissue Composition & Characterization Power Pitch Theatre 2 *(No CME Available)*	AI-Powered Analysis for Cancer Diagnosis & Prognosis Power Pitch Theatre 3 *(No CME Available)*	*08:15-09:15* Acquisition & Reconstruction Analysis Methods Body Cardiovascular fMRI Exhibition Hall *(No CME Available)*	*09:15-10:15* Body Cardiovascular Diffusion fMRI Pediatrics Exhibition Hall *(No CME Available)*

Traditional Posters	
08:15-09:15 fMRI Connectivity: Wire Together, Fire Together Exhibition Hall *(No CME Available)*	*09:15-10:15* Neuroradiology Miscellaneous Analysis Methods Exhibition Hall *(No CME Available)*

10:15-10:30	Break

Plenary Session

Plenary Hall (Hall 603-604)

Ernst Lecture

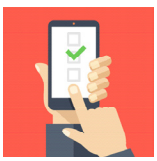
10:30	*Improving Newborn & Child Health in Low-Resource Settings: The Role & Challenges for Portable MRI*	Sean C. L. Deoni, Ph.D. Senior Program Officer at the Bill & Melinda Gates Foundation

Synergies & Lessons from Innerspace to Outer Space
Organizers: Seena Dehkharghani & Ramesh Venkatesan

11:00	*From Innerspace to Outer Space: Why? A Preamble*	Leon Axel, Ph.D.
11:20	*From Innerspace to Outer Space: How? A Point-Counterpoint Exchange & Discussion*	Urvashi Rau, Ph.D. & Klaas Prüssmann, Ph.D.
11:40	Open Forum Panel Discussion & Audience Questions. *Attendees can forward their questions in advance to the organizers for preview and to facilitate consolidation of Q&A topics.*	
12:00	Adjourn	

12:00-13:30	Lunch

GOLD CORPORATE SYMPOSIUM *(No CME Available)*
GE HealthCare
12:15-13:15
Plenary Hall (Hall 603-604)



Schedules may have changed since printing.
Please check the ISMRM & ISMRT Annual Meeting & Exhibition 2024 Program-At-A-Glance online for the most current information.

DAY 5: WEDNESDAY, 08 MAY

Registration Hours: 07:00-17:45
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

WEDNESDAY • AFTERNOON SESSIONS • 13:30-15:30

Educational Sessions

Educational: Physics & Engineering
Physics for Clinicians & Data Scientists Summit 1 *CME*

Scientific Sessions

Scientific: Diffusion	Scientific: fMRI	Scientific: Musculoskeletal	Scientific: Physics & Engineering	Scientific: AI & Machine Learning
Diffusion in Gray Matter Summit 2	Mesoscale fMRI Nicoll 1	Muscle Up: Structural & Functional Muscle Imaging Nicoll 2	System Engineering: Gradients, Magnets & Shims Nicoll 3	AI-Empowered Image Enhancement, Segmentation & Synthesis Hall 606

Scientific: Body	Scientific: Contrast Mechanisms
Shining a Light on Liver Cancer Room 331-332	(23)Na(31)P Time Room 334-336

Other Sessions

Member-Initiated Session	Study Group Business Meetings	Study Group Business Meetings	Study Group Business Meetings	Power Pitch Session Reconstruction
MRI for Biology-Guided RT: Are We There Yet? Room 325-326 *(No CME Available)*	*13:30-14:30* MR Safety Room 303-304 *(No CME Available)*	*13:30-14:30* Chemical Exchange Saturation Transfer Room 324 *(No CME Available)*	*14:30-15:30* PET-MRI Room 303-304 *(No CME Available)*	Advances in Data Acquisition Power Pitch Theatre 1 *(No CME Available)*

Power Pitch Session Neuro	Power Pitch Session Neuro	Digital Posters		Traditional Posters
Neurodegeneration & White Matter Power Pitch Theatre 2 *(No CME Available)*	Glymphatic System: What's New Power Pitch Theatre 3 *(No CME Available)*	*13:30-14:30* Acquisition & Reconstruction AI & Machine Learning Body Contrast Mechanisms Neuro Exhibition Hall *(No CME Available)*	*14:30-15:30* Acquisition & Reconstruction AI & Machine Learning Neuro Physics & Engineering Exhibition Hall *(No CME Available)*	*13:30-14:30* Acquisition & Reconstruction Exhibition Hall *(No CME Available)*

Traditional Posters
14:30-15:30 Image Processing & Analysis: Body Applications All You Want To Know About Psychiatry with MRI Exhibition Hall *(No CME Available)*

15:30-15:45	Break

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DAY 5: WEDNESDAY, 08 MAY

Registration Hours: 07:00-17:45
Exhibition Hall Hours: 10:00-17:00
Poster Hall Hours: 07:00-20:00

WEDNESDAY • EVENING SESSIONS • 15:45-17:45

Educational Session

Educational: Musculoskeletal
Imaging of the Marrow Summit 1 *CME*

Scientific Sessions

Scientific: Neuro	Scientific: Diffusion	Scientific: Analysis Methods	Scientific: Physics & Engineering	Scientific: AI & Machine Learning
Striking a Cord: Neuroimaging of the Spine & Nerves Summit 2	New Diffusion Acquisitions & Reconstruction Methods Nicoll 1	Analysis Methods: Segmentation Nicoll 2	How Many Are Enough: RF Arrays Nicoll 3	Advancing Clinical Insights: Exploring Extended AI Applications for Diagnosis & Prognosis Hall 606

Scientific: Contrast Mechanisms	Scientific: Neuro
Novel Contrast Agents & Innovative Modellings Room 331-332	Neuroinflammation: Follow-Up from 2023 Clinical Focus Meeting Room 334-336

Other Sessions

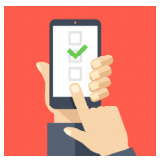
Member-Initiated Session	Study Group Business Meetings	Study Group Business Meetings	Power Pitch Session Acquisition & Reconstruction	Power Pitch Session Contrast Mechanisms
Everything You Always Wanted To Know About the AMPC & from Academic Journal Editors & How You Can Be Part of It Room 325-326 *(No CME Available)*	*15:45-16:45* MR in Radiation Therapy Room 303-304 *(No CME Available)*	*15:45-16:45* Cardiac MR Room 324 *(No CME Available)*	Image Reconstruction Power Pitch Theatre 1 *(No CME Available)*	From One Proton to Another: CEST & MT Power Pitch Theatre 2 *(No CME Available)*

Power Pitch Session fMRI	Digital Posters		Traditional Posters	
Clinical Connectivity Power Pitch Theatre 3 *(No CME Available)*	*15:45-16:45* Body Neuro Physics & Engineering Preclinical Exhibition Hall *(No CME Available)*	*16:45-17:45* Body Neuro Physics & Engineering Preclinical Exhibition Hall *(No CME Available)*	*15:45-16:45* Musculoskeletal Pediatric: Musculoskeletal Exhibition Hall *(No CME Available)*	*16:45-17:45* Diffusion Clinical: Everything Everywhere All At Once Exhibition Hall *(No CME Available)*

17:45-18:00	Break

ISMRM BUSINESS MEETING

18:00-19:00
Room 334-336
(No CME Available)



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DAY 6: THURSDAY, 09 MAY

Registration Hours: 07:00-18:00
Exhibition Hall Hours: 10:00-16:30
Poster Hall Hours: 07:00-16:30

THURSDAY • SUNRISE SESSIONS • 07:00-08:00

Educational: Musculoskeletal	Educational: Physics & Engineering	Educational: Contrast Mechanisms	Educational: Body	Educational: Cardiovascular
Open-Source Pipelines for MSK Applications Summit 1 *CME*	Surprising Aspects of MRI Physics: The Steady-State & Fast Spin Echo Beasts & Their Beauty Summit 2 *CME*	Absolute Beginner's Guide to Susceptibility Imaging Nicoll 2 *CME*	Response Assessment to Immuno- & Targeted Therapies Nicoll 3 *CME*	Cardiology for Physicists: Congenital Heart Disease Hall 606 *CME*

Educational: Neuro	Educational: Acquisition & Recognition	Educational: Transferable Skills
All About Head & Neck: MRI in Surgical Oncology Room 331-332 *CME*	Quantification & Analysis: Perfusion Room 334-336 *CME*	Unlocking Productivity & Impact in Teaching & Publishing IV Room 325-326 *CME*

08:00-08:15	Break

THURSDAY • MORNING SESSIONS • 08:15-10:15

Educational Sessions

Educational: Contrast Mechanisms
Contrast Agents Summit 1 *CME*

Scientific Sessions

Scientific: Neuro	Scientific: Diffusion	Educational: Acquisition & Recognition	Scientific: Pediatrics	Scientific: Preclinical
Imaging CSF Dynamics & Neurofluid Coupling Summit 2	Diffusion: Artificial Intelligence & Machine Learning Nicoll 1	Pulse Sequence Design Nicoll 2	Pediatric: Neuro Nicoll 3	Advances in Imaging Brain Anatomy & Physiology Hall 606

Scientific: Body	Scientific: Cardiovascular
Cancer & Treatment Response Room 331-332	Myocardial Ischemia & Infarction Room 334-336

Other Sessions

Special Session	Study Group Business Meetings	Study Group Business Meetings	Power Pitch Session AI & Machine Learning	Power Pitch Session Physics & Engineering
Junior Fellows Shark Tank Room 325-326 *(No CME Available)*	*09:15-10:15* MR in Psychiatry Room 303-304 *(No CME Available)*	*09:15-10:15* Placenta & Fetus Room 324 *(No CME Available)*	AI-Empowered Image Analysis & Processing Power Pitch Theatre 1 *(No CME Available)*	Coils, Metals & Their Interactions Power Pitch Theatre 2 *(No CME Available)*

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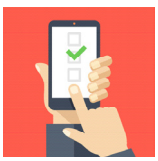


DAY 6: THURSDAY, 09 MAY

Registration Hours: 07:00-18:00
Exhibition Hall Hours: 10:00-16:30
Poster Hall Hours: 07:00-16:30

Power Pitch Session Late-Breaking	Digital Posters		Traditional Posters	
Special Session: 2025 Clinical Translation Unmet Needs Power Pitch Theatre 3 *(No CME Available)*	*08:15-09:15* Acquisition & Reconstruction Body fMRI Neuro Exhibition Hall *(No CME Available)*	*09:15-10:15* Acquisition & Reconstruction Contrast Mechanisms fMRI Neuro Exhibition Hall *(No CME Available)*	*08:15-09:15* X-Nuclei MR Exhibition Hall *(No CME Available)*	*09:15-10:15* Body: Contrast Mechanisms: Body Applications Diffusion Acquisition & Reconstruction Exhibition Hall *(No CME Available)*

10:15-10:30	Break

Plenary Session

Plenary Hall (Hall 603-604)

10:30	Young Investigator Awards Presentation	Margaret A. Hall-Craggs, M.D., 2024-2025 ISMRM President
10:45	Special Session: *We Are One*	

It's a Bit More Complicated Than That: Water & Energy Exchange in MR

Organizers: Emmanuel Barbier, Candace Fleisher, Shaihan Malik, Andrew Scott & Dan Wu

11:15	*The Basics: Dynamics of Water & Other Molecules in Biological Tissue*	Olivier Girard, Ph.D.
11:35	*Why Does Exchange Matter in MR?*	Penny Gowland, Ph.D.
11:55	*Water Exchange Across Biological Barriers as a Biomarker*	Ruiliang Bai, Ph.D.
12:15	Adjourn	

12:15-13:45	Lunch

GOLD CORPORATE SYMPOSIUM *(No CME Available)*

United Imaging Healthcare

12:30-13:30

Plenary Hall (Hall 603-604)

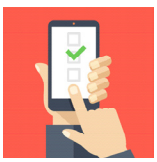
THURSDAY • AFTERNOON SESSIONS • 13:45-15:45

Educational Sessions

Educational: Cardiovascular
Advanced Contrast Mechanisms in CMR Summit 1 *CME*

Scientific Sessions

Scientific: fMRI	Scientific: Neuro	Scientific: Acquisition & Analysis	Scientific: Contrast Mechanisms	Scientific: AI & Machine Learning
Novel fMRI Methods & Applications Summit 2	Psychosis & Mood Disorders Nicoll 1	Overcoming Imperfections & Artifacts Nicoll 2	Novel Techniques for Perfusion Nicoll 3	AI-Empowered Image Planning, Quantification & Modeling Hall 606



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DAY 6: THURSDAY, 09 MAY

Registration Hours: 07:00-18:00
Exhibition Hall Hours: 10:00-16:30
Poster Hall Hours: 07:00-16:30

Scientific: Diffusion	Scientific: Interventional
Diffusion on Unconventional Systems Room 331-332	Interventional Therapy: Targeting, Monitoring & Evaluation Room 334-336

Other Sessions

Member-Initiated Session	Study Group Business Meetings	Study Group Business Meetings	Study Group Business Meetings	Study Group Business Meetings
Abbreviated MRI: The Time Has Come, but How Do We Get There? Room 325-326 *(No CME Available)*	*13:45-14:45* Hyperpolarization Methods & Equipment Room 303-304 *(No CME Available)*	*13:45-14:45* MR Flow & Motion Room 324 *(No CME Available)*	*14:45-15:45* Hyperpolarized Agents & Applications Room 303-304 *(No CME Available)*	*14:45-15:45* Pediatric MR Room 324 *(No CME Available)*

Power Pitch Session Contrast Mechanisms	Power Pitch Session Physics & Engineering	Power Pitch Session Contrast Mechanisms	Digital Posters	
Relaxometry & Novel Quantification Methods Power Pitch Theatre 1 *(No CME Available)*	Cutting-Edge Phantoms & Multimodal Imaging Power Pitch Theatre 2 *(No CME Available)*	Flow, Fluid Exchange & Microvasculature in the Human Brain Power Pitch Theatre 3 *(No CME Available)*	*13:45-14:45* Acquisition & Reconstruction AI & Machine Learning Body Preclinical Exhibition Hall *(No CME Available)*	*14:45-15:45* Acquisition & Reconstruction AI & Machine Learning Body Cardiovascular Contrast Mechanisms Preclinical Exhibition Hall *(No CME Available)*

Traditional Posters
13:45-14:45 Glioma Exhibition Hall *(No CME Available)*

15:45-16:00	Break

THURSDAY • EVENING SESSIONS • 16:00-18:00

Educational Sessions

Educational: Acquisition & Analysis	Educational: Late-Breaking
MR Artifacts Game Show Summit 1 *CME*	2016-2024: The Evolution of Ideas from Singapore 2016 Room 334-336 *CME*

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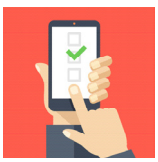

DAY 6: THURSDAY, 09 MAY

Registration Hours: 07:00-18:00
Exhibition Hall Hours: 10:00-16:30
Poster Hall Hours: 07:00-16:30

Scientific Sessions

Scientific: AI & Machine Learning	Scientific: Acquisition & Reconstruction	Scientific: Neuro	Scientific: Diffusion	Scientific: Cardiovascular
Translation of AI into the Clinic Summit 2	AI-Driven Robustness: Noise, Artifacts & More Nicoll 1	Imaging Blood Vessels in the Brain Nicoll 2	Emerging Diffusion Methodologies in the Body Hall 606	The Damaged Heart: Too Thick, Inflamed or Infiltrated Room 331-332

Other Sessions

Member-Initiated Session	Member-Initiated Session	Study Group Business Meetings
Steps on the Path to Clinical Translation: An International Perspective Nicoll 3 *(No CME Available)*	Pushing the Boundaries of Diffusion MRI Across Field Strengths & Gradient Performance Room 325-326 *(No CME Available)*	*16:00-17:00* Renal MRI Room 324 *(No CME Available)*

18:00-18:15	Break

Closing Session

Plenary Hall (Hall 603-604)

18:15	Closing Remarks	Margaret A. Hall-Craggs, M.D. 2024-2025 ISMRM President

Mansfield Lecture

18:30	*Ethical Issues in MR AI Research*	Mark Schweitzer, M.D.
19:15	Adjourn	

CLOSING PARTY*

19:30-21:30

Next to Singapore Flyer

**Opt-in required during registration*

See you next year in ***HAWAI'I!***

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ISMRM AND ISMRT
A SECTION OF THE ISMRM

ONE COMMUNITY
IMPROVING LIFE THROUGH MAGNETIC RESONANCE

Aloha!

ISMRM & ISMRT Annual Meeting & Exhibition

10-15 MAY 2025 | HONOLULU, HAWAI'I, USA

ABSTRACT SUBMISSION DEADLINE: 06 NOVEMBER 2024

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Congratulations

to our newly appointed ISMRM & ISMRT Central Office leadership!

ANNE-MARIE KAHROVIC

Executive Director

MELISSA SIMCOX

Associate Executive Director

ISMRM | Study Groups Business Meeting Schedule

MONDAY, 06 MAY 2024	TIME	ROOM
Electro-Magnetic Tissue Properties	08:15-09:15	Room 303-304
Reproducible Research	08:15-09:15	Room 324
MR of Cancer	09:15-10:15	Room 324
Perfusion	13:45-14:45	Room 303-304
Interventional MR	13:45-14:45	Room 324
MR Spectroscopy	14:45-15:45	Room 324
Imaging Neurofluids	16:00-17:00	Room 303-304
Musculoskeletal MR	16:00-17:00	Room 324
Body MRI	17:00-18:00	Room 324

TUESDAY, 07 MAY 2024	TIME	ROOM
MR Elastography	08:15-09:15	Room 303-304
White Matter	08:15-09:15	Room 324
Low Field MRI	09:15-10:15	Room 324
Metabolomics & Metabolomic Imaging (MMI)	13:30-14:30	Room 303-304
Motion Detection & Correction	14:30-15:30	Room 303-304
Brain Function	15:45-16:45	Room 303-304
MR Engineering	15:45-16:45	Room 324
Ultra-High Field MR	16:45-17:45	Room 324

WEDNESDAY, 08 MAY 2024	TIME	ROOM
X-Nuclei Imaging	08:15-09:15	Room 303-304
Diffusion	08:15-09:15	Room 324
Molecular & Cellular Imaging	09:15-10:15	Room 303-304
Quantitative MR	09:15-10:15	Room 324
MR Safety	13:30-14:30	Room 303-304
Chemical Exchange Saturation Transfer	13:30-14:30	Room 324
PET-MRI	14:30-15:30	Room 303-304
MR in Radiation Therapy	15:45-16:45	Room 303-304
Cardiac MR	15:45-16:45	Room 324

THURSDAY, 09 MAY 2024	TIME	ROOM
MR in Psychiatry	09:15-10:15	Room 303-304
Placenta & Fetus	09:15-10:15	Room 324
Hyperpolarization Methods & Equiptment	13:45-14:45	Room 303-304
MR Flow & Motion	13:45-14:45	Room 324
Hyperpolarized Agents & Applications	14:45-15:45	Room 303-304
Pediatric MR	14:45-15:45	Room 324
Renal MRI	16:00-17:00	Room 324

Power Pitch Posters

Exhibition Hall (Hall 403)

SESSION NAME	SESSION START	NUMBER	THEATER
MONDAY, 06 MAY 2024			
Stroke	08:15	67 - 86	1
Flow & Angiography in the Heart & Great Vessels	08:15	87 - 106	2
Diffusion Clinical Applications	08:15	107 - 126	3
MRE, Diffusion & APT for Body Applications	13:45	192 - 211	1
Metabolic & Hyperpolarized MR	13:45	212 - 231	2
Software Tools	13:45	232 - 251	3
fMRI: Vessels, Networks & Analysis	16:00	317 - 336	1
AI-Empowered Image Reconstruction	16:00	337 - 356	2
Neuro-Oncology	16:00	357 - 376	3
TUESDAY, 07 MAY 2024			
Interventional: MR-LINAC & Needle-Based Interventions	08:15	443 - 462	1
Extending the Applications of MRI at 5T & Above	08:15	463 - 482	2
Nuts & Bolts: Technical Advances in MSK	08:15	483 - 502	3
Quantitative Imaging	13:30	564 - 583	1
Validation & Simulation	13:30	584 - 603	2
Cardiovascular Tissue Characterization & Functional Assessment	13:30	604 - 621	3
Advanced MRI & MRS Biomarkers	15:45	690 - 709	1
Progress in Body Applications	15:45	710 - 728	2
Blood Brain Barrier & Neuroinflammation	15:45	729 - 748	3
WEDNESDAY, 08 MAY 2024			
Perinatal MRI	08:15	815 - 834	1
Tissue Composition & Characterization	08:15	835 - 854	2
AI-Powered Analysis for Cancer Diagnosis & Prognosis	08:15	855 - 873	3
Advances in Data Acquisition	13:30	941 - 960	1
Neurodegeneration & White Matter	13:30	961 - 980	2
Glymphatic System: What's New	13:30	981 - 1000	3
Image Reconstruction	15:45	1065 - 1084	1
From One Proton to Another: CEST & MT	15:45	1085 - 1104	2
Clinical Connectivity	15:45	1105 - 1124	3
THURSDAY, 09 MAY 2024			
AI-Empowered Image Analysis & Processing	08:15	1191 - 1210	1
Coils, Metals & Their Interactions	08:15	1211 - 1229	2
Special Session: 2025 Clinical Translation Unmet Needs	08:15	0 - 0	3
Relaxometry & Novel Quantification Methods	13:45	1297 - 1316	1
Cutting-Edge Phantoms & Multimodal Imaging	13:45	1317 - 1334	2
Flow, Fluid Exchange & Microvasculature in the Human Brain	13:45	1335 - 1354	3

Traditional Posters

Exhibition Hall (Hall 403)

SESSION NAME	SESSION START	NUMBER
MONDAY, 06 MAY 2024		
Quantitative Imaging for Body Applications	08:15	4815 - 4825
Quantitative Susceptibility Mapping	09:15	4826 - 4829
How Much? Quantitative MRI	09:15	4830 - 4842
AI/ML for Image Analysis, Diagnosis & Predictive Insights	13:45	4843 - 4861
Advances in Image Contrast	16:00	4862 - 4881
Physics & Engineering Jambalaya	17:00	4882 - 4900
TUESDAY, 07 MAY 2024		
Neuroimaging in Animal Models	08:15	4901 - 4909
Cardiovascular Pathology in 3D, 4D & Beyond	09:15	4910 - 4918
Neurofluid Imaging	13:30	4919 - 4931
Novel Interventional Methods	14:30	4932 - 4940
B0 & B1 Coils & Phantoms	15:45	4941 - 4962
WEDNESDAY, 08 MAY 2024		
fMRI Connectivity: Wire Together, Fire Together	08:15	4963 - 4972
Neuroradiology Miscellaneous	09:15	4973 - 4983
Analysis Methods	09:15	4984 - 4986
Acquisition & Reconstruction	13:30	4987 - 5006
Image Processing & Analysis: Body Applications	14:30	5007 - 5016
All You Want To Know About Psychiatry with MRI	14:30	5017 - 5031
Musculoskeletal	15:45	5032 - 5051
Pediatric: Musculoskeletal	15:45	5052 - 5060
Diffusion Clinical: Everything Everywhere All At Once	16:45	5061 - 5075
THURSDAY, 09 MAY 2024		
X-Nuclei MR	08:15	5076 - 5084
Body: Contrast Mechanisms: Body Applications	09:15	5085 - 5095
Diffusion Acquisition & Reconstruction	09:15	5096 - 5115
Glioma	13:45	5116 - 5121

Abstract Exhibits

Exhibition Hall (Hall 403)

ABSTRACT EXHIBITS
ISMRM & ISMRT Chapter Poster Presentation *(Tuesday, 07 May 2024. 14:30-15:30)*
AMPC Selections

Digital Posters

Exhibition Hall (Hall 403)

SESSION NAME	SESSION START	NUMBER
MONDAY, 06 MAY 2024		
ACQUISITION & RECONSTRUCTION		
Dynamic Image Reconstruction	14:45	1869 - 1884
Non-AI Image Reconstruction	14:45	1901 - 1916
AI & MACHINE LEARNING		
Generative Diffusion AI Models for MRI	13:45	1742 - 1757
Self-Supervised AI/ML Techniques	13:45	1758 - 1773
AI/ML: Vision Transformers in MRI	14:45	1949 - 1964
AI-Empowered Image Enhancement	14:45	1965 - 1979
AI/ML Image Reconstruction & Analysis	14:45	1980 - 1995
AI-Empowered Image Segmentation	16:00	2090 - 2105
AI-Empowered Image Quantification & Interpretation	16:00	2106 - 2120
Seeking Reliability & Interpretability in Deep MRI	17:00	2217 - 2232
Curating Synthetic Imaging Data	17:00	2233 - 2248
ANALYSIS METHODS		
Analysis: Segmentation	16:00	2121 - 2136
BODY		
Cancer & Treatment Response: Top to Toe	08:15	1451 - 1465
Novel Techniques in Cancer	08:15	1466 - 1481
CARDIOVASCULAR		
Cardiovascular: Parametric Mapping	08:15	1482 - 1497
Cardiovascular: Perfusion & Scar Imaging	08:15	1498 - 1513
Cardiac MRI in Arrhythmia	09:15	1638 - 1648
Myocardial Strain Assesment	09:15	1649 - 1664
Myocardial Function	09:15	1665 - 1679
Cardiac Imaging: Peering Outside the 1H Box	13:45	1774 - 1788
Non-Ischemic Cardiomyopathies & Heart Failure	13:45	1789 - 1804
Diffusion & New Methods for Tissue Characterization in the Heart	13:45	1805 - 1820
CFM		
Novel Visualization of CNS Tissue Injury	09:15	1609 - 1623
Novel Visualization of MSK Injury	09:15	1624 - 1637
CONTRAST MECHANISMS		
Proton Spectroscopy: Applications	13:45	1821 - 1836
Proton Spectroscopy: Methods	13:45	1837 - 1852
Spectroscopy	13:45	1853 - 1868
ASL: Applications	14:45	1996 - 2011
ASL: Improvements	14:45	2012 - 2027
Relaxometry	16:00	2169 - 2184

DIGITAL POSTERS • EXHIBITION HALL (CONTINUED)

SESSION NAME	SESSION START	NUMBER
DIFFUSION		
Diffusion Analysis & Visualization	16:00	2137 - 2152
Diffusion Tractography	16:00	2153 - 2168
MUSCULOSKELETAL		
Bones, Bones, Bones	08:15	1514 - 1529
MSK in Motion I: Imaging of Muscle & Tendon	08:15	1530 - 1545
Spine-Tingling Imaging	08:15	1546 - 1561
MSK Diagnosis & Treatment	09:15	1680 - 1695
MSK in Motion II: Imaging of Muscle & Tendon	09:15	1696 - 1711
Aches & Pains: Technical Cartilage Imaging	17:00	2249 - 2264
Let's Get High-Tech: Technical Developments in MSK	17:00	2265 - 2280
Aches & Pains: Clinical Imaging of Arthritis	17:00	2281 - 2295
NEURO		
MR in Psychiatry I	13:45	1712 - 1726
MR in Psychiatry II	13:45	1727 - 1741
From Neurography to Neuroscopy: Structural & Functional Imaging of Peripheral & Cranial Nerves	14:45	1885 - 1900
The Biochemical Basis of Neurologic Disease & Neurotherapeutics	14:45	1917 - 1932
Advanced Neuroimaging of Head & Neck Disorders	14:45	1933 - 1948
Mapping Brain Myelin & Metabolites	16:00	2028 - 2042
Structural Connectivity	16:00	2043 - 2057
White Matter Changes in Pathological States	16:00	2058 - 2073
Imaging of Post-COVID Sequelae	16:00	2074 - 2089
Blood Vessel Structure, Function & Flow	17:00	2185 - 2200
Clinical Applications of Brain Vessel Imaging	17:00	2201 - 2216
Stroke: AI, Contrast Mechanisms & fMRI	17:00	2296 - 2311
Stroke: Diffusion & Blood Flow	17:00	2312 - 2327
PHYSICS & ENGINEERING		
Hardware at the Extremes: Ultra-Low & -High Fields	08:15	1403 - 1418
DIY Additions: Hardware Additions to Commercial Systems	08:15	1419 - 1434
Designing & Actually Using High-Field RF Coils	08:15	1435 - 1450
Not All Coils Are Arrays: Metasurfaces, Waveguides & More	09:15	1562 - 1577
Not Your Usual RF Coils	09:15	1578 - 1592
Unconventional Concepts in RF Coil Design	09:15	1593 - 1608
TUESDAY, 07 MAY 2024		
ACQUISITION & RECONSTRUCTION		
Artifacts Correction & Mitigation	13:30	2639 - 2654
Motion Correction: Neuroimaging	13:30	2655 - 2670
Image Reconstruction with Deep Learning II	13:30	2730 - 2745
Acquisitions & Reconstructions Using AI I	14:30	2776 - 2791

DIGITAL POSTERS • EXHIBITION HALL (CONTINUED)

SESSION NAME	SESSION START	NUMBER
Image Reconstruction with Deep Learning I	14:30	2792 - 2807
Acquisitions & Reconstructions Using AI II	14:30	2808 - 2823
ANALYSIS METHODS		
Analysis Methods: Spectroscopy	15:45	2982 - 2997
Multi-Center Reproducibility & Tools	15:45	2998 - 3011
Analysis Methods	15:45	3012 - 3027
Analysis Methods: Radiomics	16:45	3091 - 3106
Data Analysis	16:45	3107 - 3122
BODY		
Flushing Out: Kidney & Bladder I	13:30	2746 - 2759
Vascular Vibes & Vessels	13:30	2760 - 2775
Flushing Out: Kidney & Bladder II	14:30	2887 - 2902
Lung MRI	14:30	2903 - 2918
CONTRAST MECHANISMS		
Magnetic Susceptibility II	08:15	2451 - 2466
Magnetic Susceptibility I	09:15	2607 - 2622
Acquisition Methods for X-Nuclei	15:45	3028 - 3042
X-Nuclei MR (Thermally Polarized)	15:45	3043 - 3058
13C Metabolic Imaging	15:45	3059 - 3074
Molecular & Metabolic Imaging	16:45	3170 - 3185
Hyperpolarized Gas	16:45	3186 - 3201
Advances in Contrast Agents & Mechanisms	16:45	3202 - 3216
DIFFUSION		
Diffusion Validation & Simulation	08:15	2404 - 2418
Diffusion Acquisition & Reconstruction I	08:15	2419 - 2434
Diffusion Acquisition & Reconstruction II	08:15	2435 - 2450
Diffusion Clinical Applications: Body	09:15	2560 - 2574
Emerging Diffusion Methodologies in the Body	09:15	2575 - 2590
IVIM Methodology	09:15	2591 - 2606
Beyond DTI	14:30	2855 - 2870
IVIM Clinical Applications	14:30	2871 - 2886
fMRI		
Mesoscale fMRI	16:45	3123 - 3138
fMRI Connectivity: Fire Together, Wire Together	16:45	3139 - 3153
Task-/Intervention-Based fMRI	16:45	3154 - 3169
INTERVENTIONAL		
MR Thermometry & Focused Ultrasound	13:30	2698 - 2713
Interventional Hardware & Technical Developments	13:30	2714 - 2729

DIGITAL POSTERS • EXHIBITION HALL (CONTINUED)

SESSION NAME	SESSION START	NUMBER
NEURO		
The Spinal Cord: Structure, Function & Pathology	08:15	2328 - 2343
Neurodegeneration Potpourri II	08:15	2344 - 2358
Deep Learning Segmentation Applied to Evaluate Neurofluids	08:15	2467 - 2480
Blood Vessels: What's New in Acquisition, Analysis & Reconstruction?	09:15	2481 - 2496
Neuroinflammation	09:15	2497 - 2512
White Matter & Spinal Cord	09:15	2513 - 2528
Clinical Applications of Diffusion Imaging in Neurofluids	09:15	2623 - 2638
Gray Matter Anatomy & Morphometry	15:45	2919 - 2933
Quantitative & Metabolic Imaging in Multiple Sclerosis	15:45	2934 - 2949
Emerging Methods for Imaging Multiple Sclerosis I	15:45	2950 - 2965
Emerging Methods for Imaging Multiple Sclerosis II	15:45	2966 - 2981
Global Developmental Disorders & Epilepsy	16:45	3075 - 3090
Epilepsy: Improving Substrate Detection	16:45	3217 - 3232
PEDIATRICS		
Pediatric: Neonatal Brain	08:15	2359 - 2373
Pediatric: Frontiers in Neuroimaging	08:15	2374 - 2387
Pediatric: Miscellaneous	08:15	2388 - 2403
Pediatric: Development & Validation of New Techniques	09:15	2529 - 2543
Pediatric: Applications in CNS Disorders	09:15	2544 - 2559
PHYSICS & ENGINEERING		
A Good Compromise: 0.5 & 0.55 T MRI	13:30	2671 - 2685
Embrace the Flexibility: Low-Field Acquisition	13:30	2686 - 2697
Optimal Sequence & Hardware Design in Low-Field MRI	14:30	2824 - 2838
Rage Against the Machine: New Concepts in Low-Field MRI	14:30	2839 - 2854
WEDNESDAY, 08 MAY 2024		
ACQUISITION & RECONSTRUCTION		
Acquisition Strategies II	08:15	3233 - 3248
Novel Pulse Sequences	08:15	3249 - 3264
New Trajectories, Spatial Encoding & Signal Preparation Schemes	08:15	3281 - 3296
MRF Acquisition & Reconstruction	13:30	3545 - 3560
MRF Reconstruction	13:30	3561 - 3576
Quantitative Head & Neck Imaging	14:30	3705 - 3720
Synthetic MR	14:30	3753 - 3768
Quantitative Neuroimaging	14:30	3817 - 3832
AI & MACHINE LEARNING		
AI/ML Applications: Pelvic Organs	13:30	3593 - 3608
AI/ML Applications: Body	13:30	3609 - 3624
AI in Brain Tumor Prediction	14:30	3769 - 3784

DIGITAL POSTERS • EXHIBITION HALL (CONTINUED)

SESSION NAME	SESSION START	NUMBER
AI/ML Applications: Cardiovascular & MSK	14:30	3785 - 3800
Advanced ML Techniques for Next-Generation MR Applications	14:30	3801 - 3816
ANALYSIS METHODS		
Analysis: fMRI	08:15	3265 - 3280
BODY		
It's All About the Prostate I	08:15	3329 - 3344
It's All About the Prostate II	09:15	3502 - 3517
Harnessing AI for Body Applications I	13:30	3625 - 3640
Harnessing AI for Body Applications II	13:30	3641 - 3656
Cancer & Treatment Response-Digestive Diseases	15:45	3977 - 3992
Hepatopancreaticobiliary Malignancies I	15:45	3993 - 4007
Hepatopancreaticobiliary: Benign I	15:45	4008 - 4023
Hepatopancreaticobiliary Malignancies II	16:45	4135 - 4150
Hepatopancreaticobiliary: Benign II	16:45	4151 - 4166
CARDIOVASCULAR		
Intracranial Vessel Wall Imaging & Angiography	08:15	3345 - 3359
Vascular Imaging Below the Neck	08:15	3360 - 3375
Carotid Artery & Cardiac Imaging	08:15	3376 - 3390
Cardiac Inflammation	09:15	3518 - 3532
Congenital Heart Disease, Cardio-Oncology & Cardiac Imaging in Other Diseases	09:15	3533 - 3544
CONTRAST MECHANISMS		
Microstructures & Multicontrasts	13:30	3657 - 3672
Electrical Tissue Properties	13:30	3673 - 3688
DIFFUSION		
Diffusion Microstructure I	09:15	3454 - 3469
Diffusion Microstructure II	09:15	3470 - 3485
Diffusion Clinical Applications: Neuro	09:15	3486 - 3501
fMRI		
fMRI Acquisition I	08:15	3297 - 3312
Preclinical fMRI	08:15	3313 - 3328
fMRI Acquisition II	09:15	3407 - 3421
fMRI in Subcortex, Brainstem, Cerebellum & Spinal Cord	09:15	3422 - 3437
fMRI: Basic Neuroscience	09:15	3438 - 3453
NEURO		
Neuro-Oncology: Multicontrast Imaging of Gliomas	13:30	3577 - 3592
Neuro-Oncology: Applications of Artificial Intelligence on Gliomas	13:30	3689 - 3704
Neuro-Oncology: Assessment of Metastases, Lymphoma	14:30	3833 - 3848
Neuro-Oncology: Diagnostics of Glioblastoma & Gliomas	14:30	3849 - 3864
Aging in Health & Disease	15:45	3865 - 3880

SESSION NAME	SESSION START	NUMBER
Aging Brain & Vascular Function	15:45	3881 - 3896
Alzheimer's Disease I	15:45	3897 - 3912
Dementia Animal Models	16:45	4024 - 4039
Alzheimer's Disease II	16:45	4040 - 4055
Neurodegeneration Potpourri I	16:45	4056 - 4071
PEDIATRICS		
Pediatric: Cardiovascular	09:15	3391 - 3406
PHYSICS & ENGINEERING		
Safe Scanning with Medical Implants	14:30	3721 - 3736
Being Sure About SAR: RF Safety	14:30	3737 - 3752
Targeted Applications of Magnets, Shims & Gradient Design	15:45	3913 - 3928
It's a Feature: MR System & Hardware Design	15:45	3929 - 3944
Grand Designs: Hardware Enhancements for Low & High Fields	16:45	4072 - 4086
Don’t Be Square: Designing Tailored RF Pulses	16:45	4087 - 4102
PRECLINICAL		
Cardiac & Tissue Preclinical Imaging	15:45	3945 - 3960
Methods & Tools for Preclinical Studies	15:45	3961 - 3976
Preclinical Neuroimaging: Axons, Myelin & Disease Models	16:45	4103 - 4118
Preclinical Neuroimaging: Function & Structure	16:45	4119 - 4134
THURSDAY, 09 MAY 2024		
ACQUISITION & RECONSTRUCTION		
Sparse & Low-Rank Modeling & Reconstruction	08:15	4167 - 4182
MRS, PET-MRI & Non-Proton Acquisitions	08:15	4247 - 4262
Image Reconstruction	08:15	4263 - 4278
Signal Modeling	09:15	4326 - 4341
Acquisition Strategies I	09:15	4422 - 4437
Quantitative Cardiac, Body & MSK	13:45	4544 - 4558
Acquisition for Body Imaging	13:45	4559 - 4574
Applications of Advanced Acquisitions	13:45	4575 - 4590
Motion Correction: Neuro	14:45	4639 - 4654
Software Tools	14:45	4671 - 4686
AI & MACHINE LEARNING		
Advanced AI Reconstruction Techniques for Dynamic MR Acquisitions	13:45	4484 - 4496
AI/ML: Reconstructing Undersampled MR Data	13:45	4497 - 4511
AI-Enhanced Processing in the Brain	13:45	4512 - 4527
AI/ML Image Acquisition & Reconstruction	14:45	4655 - 4670
AI/ML Reconstruction for Precision Imaging	14:45	4687 - 4702
AI Applications in Neurology	14:45	4703 - 4718

DIGITAL POSTERS • EXHIBITION HALL (CONTINUED)

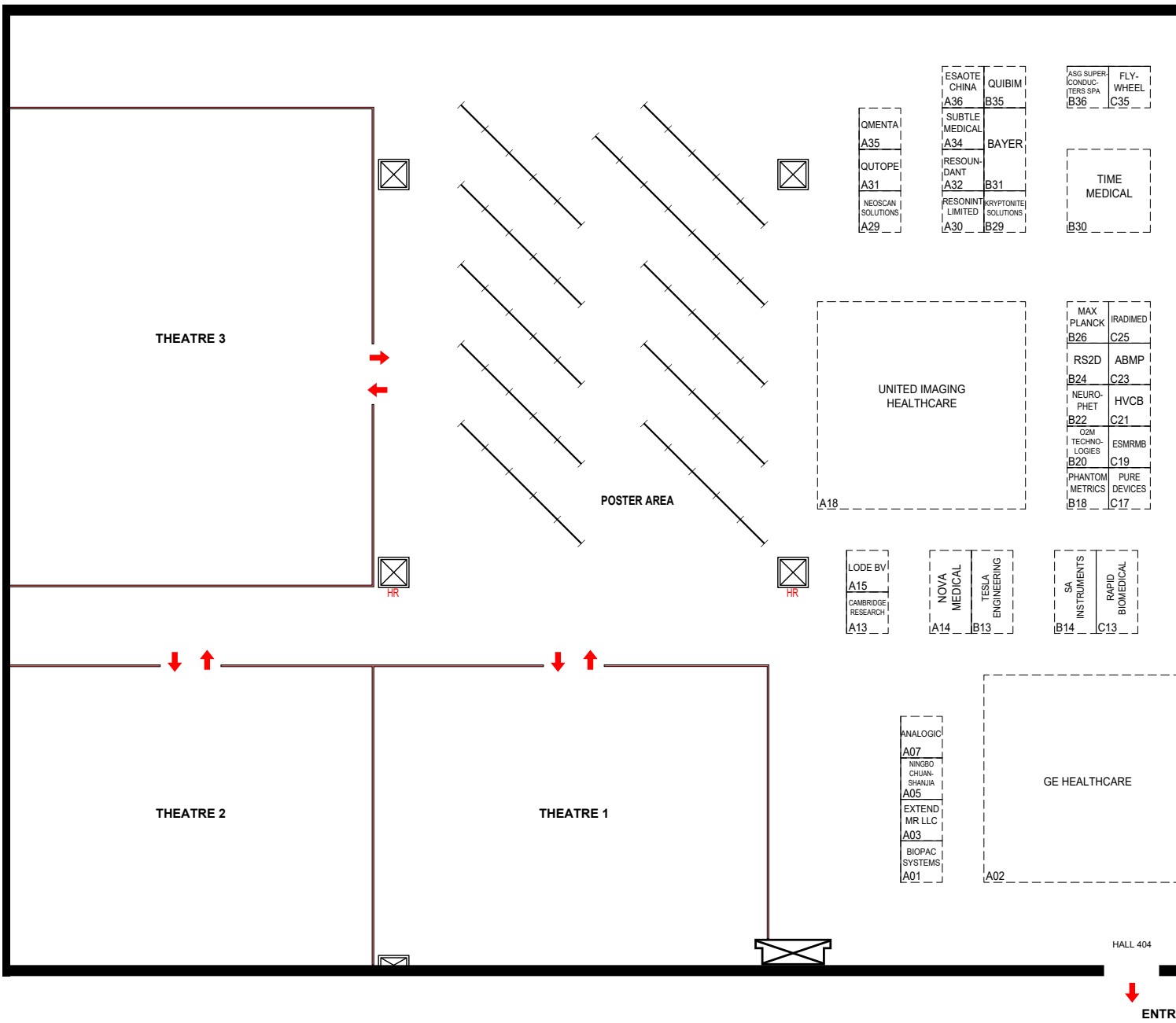
SESSION NAME	SESSION START	NUMBER
BODY		
Pushing Boundaries in Gynecological Malignancy	08:15	4279 - 4294
Pelvis & Placenta: Structure & Function	08:15	4295 - 4309
Optimal Tools for Body Applications: Diffusion & APT	08:15	4310 - 4325
Fostering MRI for Breast Cancer Management	13:45	4591 - 4606
Novelties in Breast MRI: What To Expect	13:45	4607 - 4622
Tissue Composition & Characterization I	13:45	4623 - 4638
Tissue Composition & Characterization II	14:45	4735 - 4750
Tools & Interventions in Body Applications	14:45	4751 - 4766
CARDIOVASCULAR		
Cardiovascular Flow	14:45	4767 - 4782
CONTRAST MECHANISMS		
Translational CEST	09:15	4438 - 4452
Novel Methods in CEST & MT MRI	09:15	4453 - 4468
Optimization of CEST Methodologies	09:15	4469 - 4483
MR Elastography	14:45	4783 - 4798
fMRI		
fMRI of Sleep & Sleep Disorders	08:15	4231 - 4246
fMRI: Brain-Body Axes	09:15	4390 - 4405
fMRI in Neurodegeneration & Neuropathologies	09:15	4406 - 4421
NEURO		
Parkinson's Disease I	08:15	4183 - 4198
Neurodegeneration: Metabolic Dysfunction & Iron Accumulation	08:15	4199 - 4214
Neuroimaging Applications: Cerebral Blood Flow, Volumetry & Functional Connectivity	08:15	4215 - 4230
Deeper into the Movement Disorders	09:15	4342 - 4357
Neurodegeneration: Non-Alzheimer's	09:15	4358 - 4373
Parkinson's Disease II	09:15	4374 - 4389
PRECLINICAL		
Preclinical Cancer Models	13:45	4528 - 4543
Advances in Imaging Biomarkers: Oxygenation, CEST & X-Nuclei	14:45	4719 - 4734

Young Investigator Awards Finalists

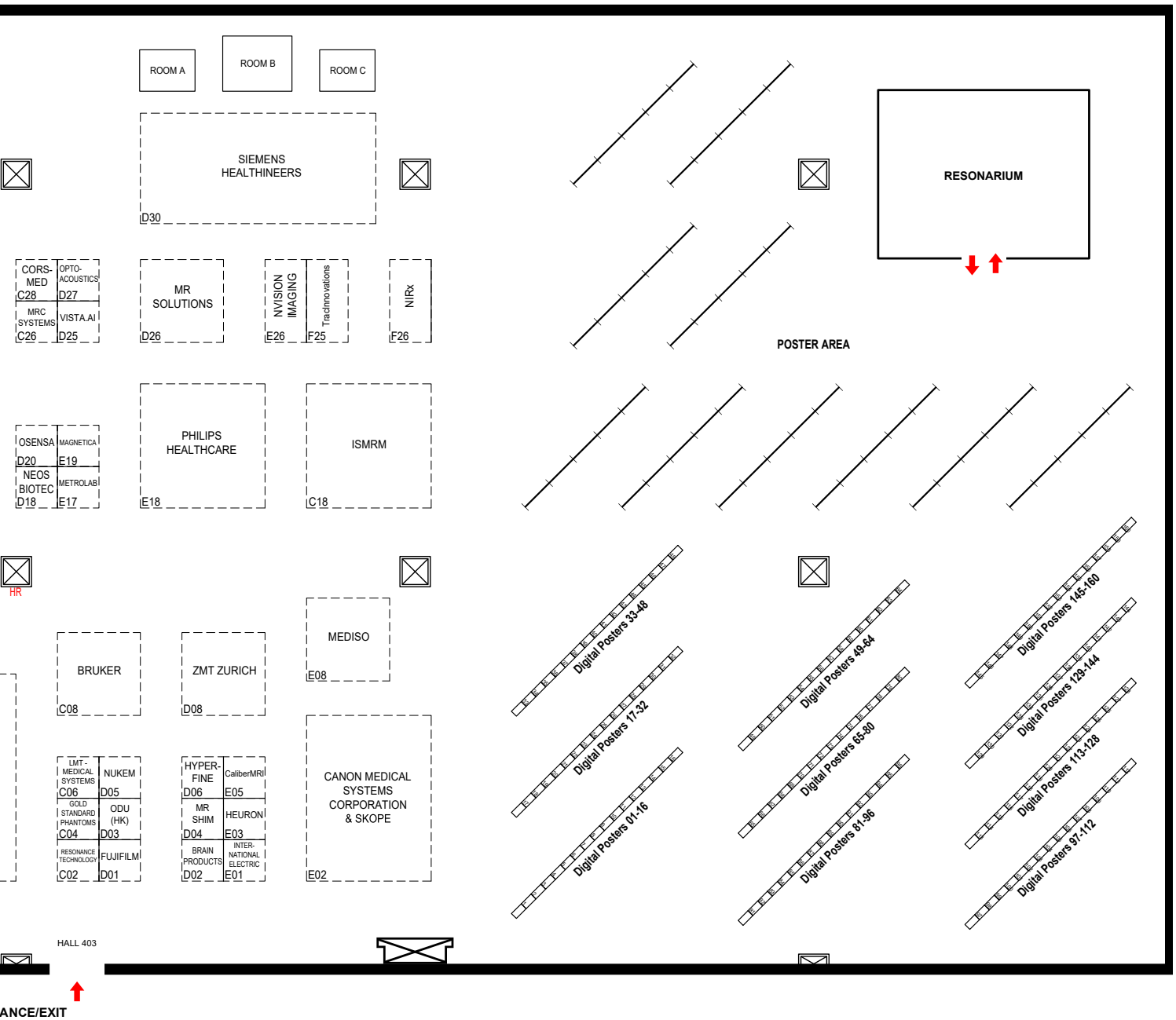
MONDAY, 06 MAY 2024 | 08:15-10:15 | SUMMIT 2

AUTHOR	PROGRAM #	TITLE	PRESENTATION	TIME
Nikou Damestani, M.Sc., Ph.D.	1	*MRI Assessment of Cerebral White Matter Microvascular Hemodynamics Across the Adult Lifespan*	Oral	08:15
			Poster	13:45
Retta El Sayed, Ph.D.	2	*Assessment of Complex Flow Patterns in Patients with Carotid Webs, Patients with Carotid Atherosclerosis & Healthy Subjects Using 4D Flow MRI*	Oral	08:30
			Poster	14:00
Shohei Fujita, M.D., Ph.D.	3	*Cross-Vendor Multiparametric Mapping of the Human Brain Using 3D-QALAS: A Multicenter & Multivendor Study*	Oral	08:45
			Poster	14:15
Victor Han, Ph.D.	4	*Any-nucleus Distributed Active Programmable Transmit Coil*	Oral	09:00
			Poster	14:30
Jessie Mosso, Ph.D.	5	*Diffusion-Weighted SPECIAL Improves the Detection of J-Coupled Metabolites at Ultrahigh Magnetic Field*	Oral	09:15
			Poster	14:45
Aviad Rabinowich, M.D.	6	*Fetal MRI-Based Body & Adiposity Quantification for Small for Gestational Age Perinatal Risk Stratification*	Oral	09:30
			Poster	15:00
Felicia Seemann, Ph.D.	7	*Dynamic Lung Water Magnetic Resonance Imaging During Exercise Stress*	Oral	09:45
			Poster	15:15
Rui Tian, M.Sc.	8	*Accelerated 2D Cartesian MRI with an 8-channel local B0 Coil Array Combined with Parallel Imaging*	Oral	10:00
			Poster	15:30

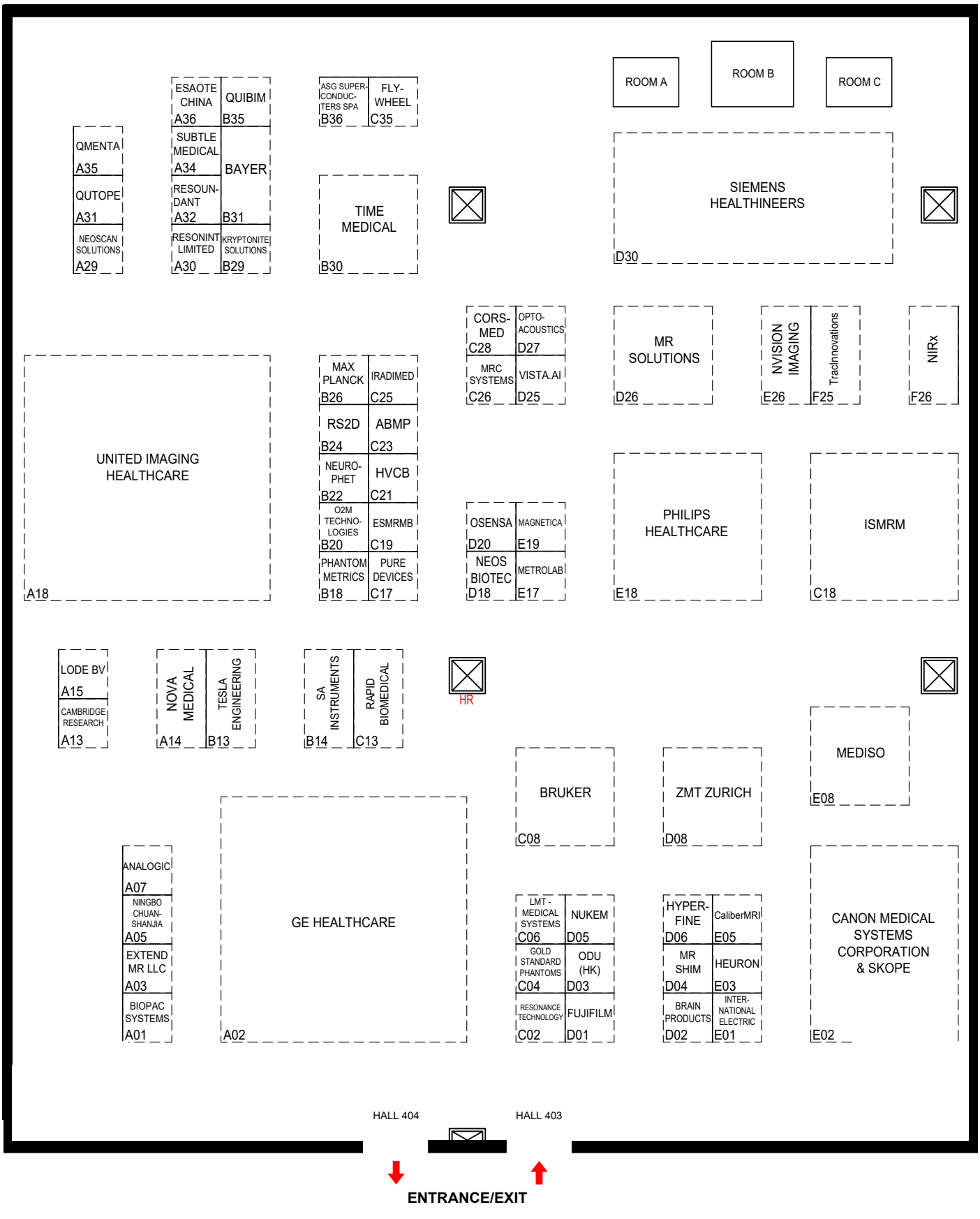
Exhibition Hall Map



Exhibition Hall Map



Map of Exhibitor Booths



BOOTH C23

American Board of Medical Physics (ABMP)

P.O. Box 780518 • San Antonio, TX 78278 USA
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www.abmpexam.com

The American Board of Medical Physics was established in 1987, with the mission of certifying medical physicists in traditional and non-traditional areas of medical physics practice. The ABMP has approximately 400 certified medical physicists on its registry. Currently, certificates are offered in MRI Physics, Medical Health Physics, and in the sub-specialty "MRI for Radiation Therapy".

The ABMP welcomes applications from candidates who have a graduate degree in medical physics or related subject, who meet clinical experience requirements, and who obtain the endorsements of a board-certified physicist and a board-certified physician. Certification is earned by successfully passing a multi-part sequence, consisting of written exams and oral exams. For the MRI exams, these exams are designed to determine the competence of the candidate in fundamental aspects of various areas of science that are directly related to the use of magnetic resonance imaging and spectroscopy as a clinical diagnostic modality, adjunct to medical therapeutic regimens, and scientific research tool for studies on human beings.

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BOOTH D02

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BOOTH A13

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BOOTH A36

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Tuesday May 7 12:15 - 1:15pm

Plenary Hall (603-604) Suntec Singapore Convention & Exhibition Centre

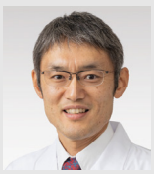
Do More with AI

Hiroyuki Fujita, PhD
Chief Technology Officer, CT-MR Division, Canon Medical Systems Corporation

The Future of Spine Imaging Integrating AI into Advanced Clinical Sequences

Emilie Poirion, PhD
MR Research Scientist, Foundation Adolphe Rothschild Hospital, Paris, France

Clinical Perspectives of Deep Learning Reconstruction



Hideki Ota, MD, PhD
Professor, Department of Diagnositc Radiology and Medical IT Center, Tohoku University Hospital, Miyagi, Japan

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BOOTH C19

European Society for Magnetic Resonance in Medicine and Biology – ESMRMB

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Telephone: +43 1 5334064915 • Email: office@esmrmb.org
www.esmrmb.org

The European Society for Magnetic Resonance in Medicine and Biology (ESMRMB) was founded in 1984 as a platform for clinicians, physicists, radiographers and basic scientists with an interest in the field of MR. Since then ESMRMB has served as the homebase for the European Community for MR Research and Clinical Practice.

Our official society journal MAGMA (free access included in membership) is well-established in the field, with a remarkably high impact factor.

ESMRMB runs several educational programmes for its membership: The School of MRI, which offers advanced clinical courses/webinars and eLearning courses, the Lectures on MR programme, which provides courses for MR physicists and basic scientists, the Hands-On MRI programme, designed for radiographers and physicians, and the annual online MRI Together Workshop aimed at open, reproducible, and inclusive MRI research.

Additionally, ESMRMB hosts several working groups focused on topics such as gadolinium contrast, radiographers and MDR, as well as an active Early Career Researchers Committee. The ESMRMB is proud to host its Annual Congress in Barcelona, Spain, from 2-5 October 2024. For more information and registration, see www.esmrmb2024.org.

To learn more about or society or to become a member, please visit our website www.esmrmb.org or contact us directly at office@esmrmb.org.

BOOTH A03

ExtendMR LLC

6506 Sandy Point Ct. • Ranchos Palos Verdes, CA 90275 USA
Telephone: + 1 408 832 0568 • Email: Ernest.wong@extendmr.com
www.extendmr.com

Founded in 2014, ExtendMR is located at the heart of Silicon Valley in California, USA. We are committed to servicing Millipede coils and other pre-clinical RF coils for existing Agilent/Varian RF coils users. We also design and build custom-made RF coils for most pre-clinical systems.

In addition to the well-known Millipede coils, ExtendMR recently advanced Millipede technology by developing the Helmet coil optimized for rodent brain imaging. Multiple customers have already reported excellent imaging performance and the cost to own a Helmet coil can be as little as $6,000. Please visit our booth #A03 to learn more details.

BOOTH C35

Flywheel

1015 Glenwood Ave., Floor 3 • Minneapolis, MN 55112 USA
Telephone: + 1 612-223-7359 • Email: info@flywheel.io
www.flywheel.io

Flywheel is the pioneering medical imaging data and AI development platform powering healthcare innovation through streamlined cohort creation, data curation and analysis.

Flywheel helps organizations turn complex imaging data into analysis-ready datasets for accelerated research and AI development. Flywheel offers comprehensive solutions for pharma companies, providers, payers, system integrators, AI developers and academic medical centers to get optimum value out of their data assets.

ISMRM BRONZE CORPORATE MEMBER

20+ YEARS ISMRM EXHIBITOR

BOOTH D01

FUJIFILM Healthcare Americas Corporation

81 Hartwell Avenue, Suite 300 • Lexington, MA 02421 USA
Telephone: +1 888-385-4633 • Email: smarchese@fujifilm.com
www.healthcaresolutions-us.fujifilm.com/products/diagnostic-imaging/mri

FUJIFILM Healthcare Americas Corporation is a comprehensive healthcare company that has an extensive range of technology and expertise in the detection, diagnosis and treatment of diseases. Fujifilm's innovative medical imaging portfolio includes solutions for digital radiography, mammography, CT, MRI, ultrasound, gastroenterology, pulmonology, endosurgery, and minimally invasive surgery.

Today, Fujifilm is a first-choice supplier of open/permanent MRI and powerful high-field MRI systems, giving access to a new level in human centered design. Our range offers extraordinary patient comfort, combined with excellent cost of ownership and ease of use thanks to powerful automation features. With a long tradition in MRI, we are a global leader in vertical magnetic field open MRI and we 'Never Stop' innovating in healthcare.
Are you open to transforming the MRI experience? Visit us at booth D01 and explore how our solutions can support your needs.

FUJIFILM
Value from Innovation


ECHELON Synergy


APERTO Lucent Plus
Not for sale in the USA


OASIS Velocity

Open your mind to new possibilities in MRI

Connect with us at booth D01

Join us for Symposium and Cocktail Reception
Tuesday evening 6-8 pm, Room 331-322

Meet Challenges with New Technologies and Unconventional Approaches

Lawrence Tanenbaum, MD
AI: Changing the Clinical Game

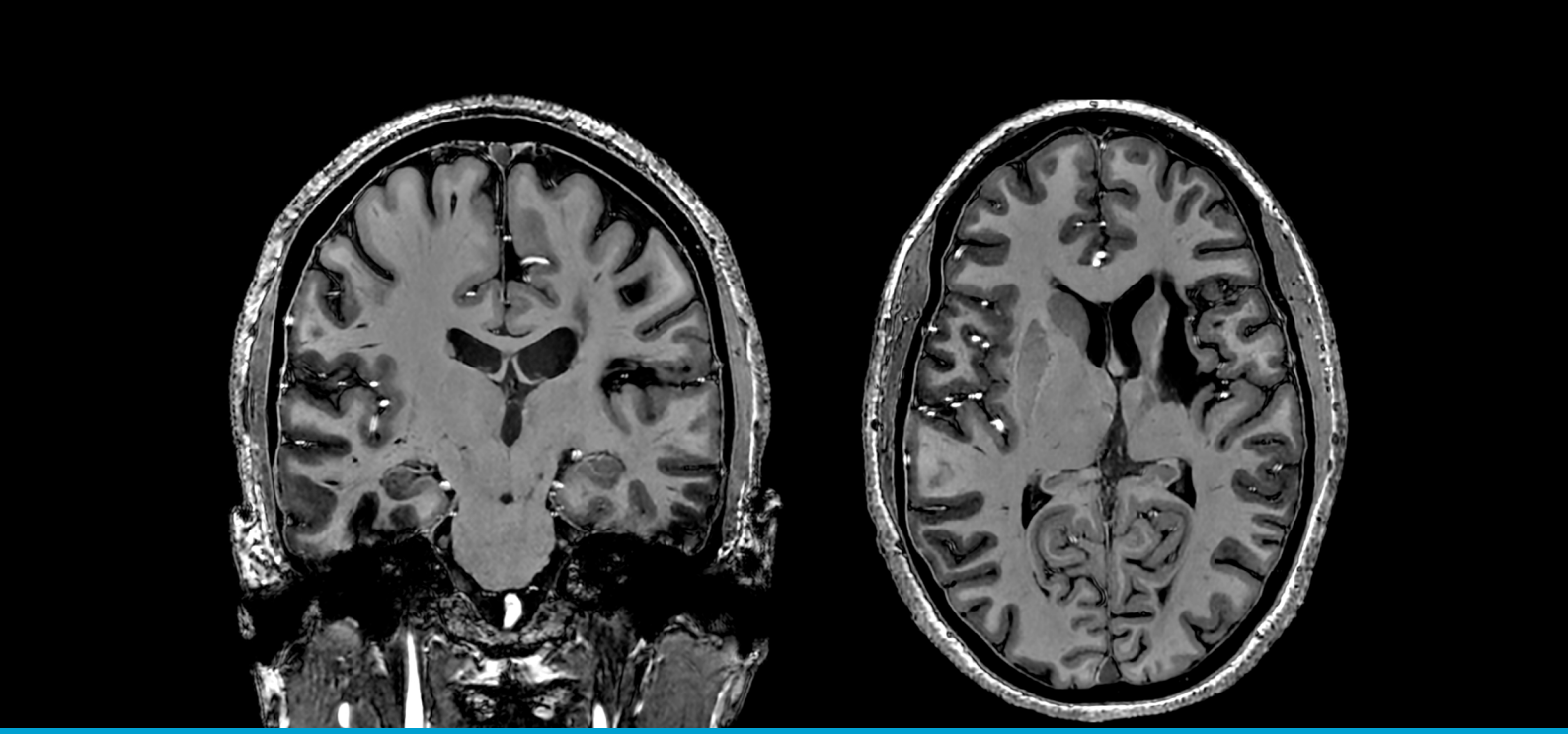
Learn how advances in AI, Computer Vision and Motion Compensation are impacting quality, workflow and the patient experience.

Laleh Golestani Rad, PhD
Vertical Leap: Charting the Future of Implant Scanning with Open MRI Technology

Learn about the latest research into vertical field MR's potential advantage in minimizing implant heating in pediatric and adult patients.

Sponsored by FUJIFILM Healthcare Americas Corp.
Bronze Corporate Member ISMRM

Session moderated by: Shawn Etheridge
Executive Director, Modality Solutions Marketing



Imaging at the speed of life

At GE HealthCare we're harnessing deep learning agility for diagnostic clarity.

AIR™ Recon DL, our pioneering deep-learning-based reconstruction algorithm, delivers improved SNR and sharpens images by up to 60% while reducing scan time by up to 50%.

With over 20 million patients scanned worldwide, this technology lets you see deeper, and enhance the experience for patients, radiologists and technologists alike.

Visit us to experience first-hand how we're continuing to break barriers in MR.

GE HealthCare

Booth A02

JB28595XX

ISMRM GOLD CORPORATE MEMBER

BOOTH A02

20 YEARS ISMRM EXHIBITOR

GE Healthcare

3200 North Grandview Blvd. • Waukesha, WI 53188 USA
Telephone: +1 866 281 7545
www.gehealthcare.com

GE HealthCare is a leading global medical technology, pharmaceutical diagnostics, and digital solutions innovator, dedicated to providing integrated solutions, services and data analytics to make clinicians more effective, therapies more precise, and patients healthier and happier. Serving patients and providers for more than 100 years, GE HealthCare is advancing connected and compassionate care, while simplifying the patient's journey across the care pathway.

Together, we're creating a world where healthcare has no limits. Learn more at www.gehealthcare.com.

BOOTH C04

GOLD STANDARD PHANTOMS

9 Parkway Rise • Sheffield, South Yorkshire S9 4WQ UK
Telephone: +44 781 020 8127 • Email: info@goldstandardphantoms.com
www.goldstandardphantoms.com

Gold Standard Phantoms is a dynamic spin-out company from the renowned University College London's Institute of Neurology. Our mission is to revolutionise the field of medical imaging by bridging the gap between pattern recognition and precise scientific measurement. Through strategic collaborations with clinicians, radiographers, radiological societies, imaging manufacturers, pharmaceutical companies and regulatory bodies, we provide an all-encompassing solution for maintaining standards in quantitative medical imaging.

We are dedicated to empowering the healthcare industry with cutting-edge calibration solutions, enabling medical imaging to transition from subjective pattern recognition to a robust, quantitative, and reproducible scientific measurement methodology. With unwavering commitment to excellence, innovation, and collaboration, we are at the forefront of driving advancements in quantitative medical imaging. Our team of experts work tirelessly to ensure that healthcare professionals and researchers worldwide have access to reliable calibration services that elevate the accuracy and reliability of their imaging results. Join us in this transformative journey as we redefine the future of medical imaging. Together, we can unlock new dimensions of precision and standardisation in the field, ultimately improving patient care and advancing medical knowledge.

BOOTH C21

Hawaii Visitors & Convention Bureau

2270 Kalakaua Avenue, Suite 801 • Honolulu, HI 96815 USA
Telephone: +1 808 479 4520
www.hvcb.org

We are a private non-profit, member-based organization working with the Hawaii Tourism Authority and our membership ohana to make tourism work for and with Hawaii.

We're everywhere tourism intersects with the community, with Island Chapters on the ground in every county and contacts at every level of government. That gives us a vast amount of knowledge, resources, and connections that we use to empower our membership ohana to research, understand, and connect with visitors.

And we are fierce advocates for growing Hawaii's number one industry sustainably and for the benefit of local communities, perpetuating our state's wealth of environmental and cultural resources so future generations can continue to enjoy them.

Ultimately, we are stewards of Hawaii's brand. Not just as the world's greatest travel destination, but as one of the world's most precious resources.

BOOTH E03

Heuron

10FL, C, 150, Yeongdeungpo-ro • Yeongdeungpo-gu, Seoul 07292 Republic of Korea
Telephone: +82-2-2633-8595
www.iheuron.com

Heuron is a medical AI startup founded in 2017 that focuses on developing innovative AI-based solutions and advanced image analysis method to enhance the diagnosis and treatment of neurodegenerative diseases and emergency stroke care.

Heuron AgingCare Suite™ can be easily integrated into any medical system to facilitate the accurate and early diagnosis of neurodegenerative diseases such as Alzheimer's and Parkinson's disease. In emergency settings, Heuron StroCare Suite™ can reduce the time of treatment by several crucial hours, saving lives and reducing post-stroke physical complications.

The company is dedicated to protect people's brain health by battling the impact of aging populations around the globe through AI-based diagnostic assisting tools.

BOOTH D06

Hyperfine, Inc.

351 New Whitfield Street • Guilford, CT 06437 USA
Telephone: +1 800-SWOOP-MR • Email: info@hyperfine.io
www.hyperfine.io

Hyperfine (NASDAQ: HYPR) is the groundbreaking MedTech company that created Swoop, the world's first FDA-cleared portable magnetic resonance imaging (MRI) system capable of providing neuroimaging at the point of care. Our mission is to transform patient care by creating access to life-saving diagnostics and actionable data at the point of care. For more information, visit hyperfine.io

BOOTH E01

International Electric Company (IECO)

Sahaajankatu 48 • Helsinki, Uusimma 00800 Finland
Telephone: +358 9759 4470 • Email: info@ieco.fi
www.ieco.fi

International Electric Co. (IECO), established in 1974, designs and manufactures precision power electronics, MRI gradient amplifiers, bipolar/unipolar magnet power supplies, and precision temperature controllers for MRI and other applications.

IECO introduced its first gradient amplifier in 1994. This revolutionary PWM amplifier enabled excellent image quality in open MRI systems. Simultaneously IECO also launched the first D-class magnet power supply delivering new efficiency levels with 0,1ppm accuracy.

IECO gradient amplifiers and bipolar magnet power supplies have modular design so they can be flexibly matched to a widerange of coils. Compact amplifier units can be connected in series or in parallel in Master/Slave operation to gain output voltages up to 1100V and output currents over 2000A.

IECO bipolar power supplies are the best choice when high precision and speed are of importance. They can be implemented in single or multichannel configurations and are ideal for e.g. pulsed magnet applications or ion beam guidance etc.

IECO has ISO 9001 and ISO 13485 certified quality system and is headquartered in Helsinki, Finland. IECO is part of the ScandiNova Group - the high quality supplier of demanding subsystems for the global medical, industrial and scientific market.

BOOTH C25

IRadimed Corporation

1025 Willa Springs Dr. • Winter Springs, FL 32708 USA
Telephone: +1 407-677-8022 • Email: sales@iradimed.com
www.iradimed.com

Is your MRI patient monitor cumbersome and expensive? IRadimed is introducing an entirely new Non-Magnetic MRI patient monitoring concept which provides vital sign monitoring for complex ICU and anesthesia MRI procedures. This small and portable MRI patient monitor allows for true continuous monitoring during the entire MRI patient care cycle. Critical patients can now get connected to the IRadimed MRI patient monitor and IRadimed MRI Infusion Pump at their ICU bedside, anesthesia induction room or MRI table. The monitor and pump easily attaches to the patient's bed allowing a single staff member to transport the patient to MRI. By having the patient arrive already connected to an MRI patient monitor eliminates projectile risks, reduces operating costs and introduces the same patient bedside practices to the MRI that are common throughout the rest of the hospital.

IRadimed FMD1 with RALU is the First and Only ferromagnetic detection device with TruSense threat qualification technology. IRadimed's patent pending Trusense technology predicts an approaching ferrous hazard by uniquely combining Time of Flight sensing of a threat's speed, trajectory and Zone IV door status, with IRadimed's expertise in Dynamic Signal Processing. This clever technology reduces false alarms, all while simultaneously circumventing background magnetic field noise.

Please visit us at www.IRadimed.com and

BOOTH C18

ISMRM | ISMRT

One Concord Center, 2300 Clayton Road, Suite 620 • Concord, CA 94520 USA
Telephone: +1 510 841 1899 • Email: info@ismrm.org
www.ismrm.org

The International Society for Magnetic Resonance in Medicine (ISMRM) is the foremost international, interdisciplinary community promoting discovery, innovation and clinical translation, as well as providing education, in the field of magnetic resonance. ISMRM membership is comprised of 9,000+ professionals from over 60 countries, including clinicians, physicists, engineers, biochemists and technologists/radiographers from academia, private practice, regulatory and governmental agencies and industry. ISMRM organizes the largest annual meeting dedicated to magnetic resonance, other major educational and scientific workshops, as well as publishes two journals – MRM for basic science and JMRI for clinical science. The International Society for MR Radiographers & Technologists (ISMRT), a section of the ISMRM, provides an international forum for education, information and research in magnetic resonance for radiographers and technologists throughout the world. The SMRT was established by technologists, clinicians and scientists of the ISMRM as a forum for radiographers and technologists to share their expertise and educational resources, with a common goal of improving healthcare for people worldwide.

BOOTH B29

Kryptonite Solutions

101-C & D, Government Industrial Estate, Charkop, Kandivali West Ajanta Pharma Lane,
Maharashtra, Mumbai 400067 India
Telephone: +91 992 0703 437 • Email: info@kryptonite.global
www.kryptonite.global

Kryptonite provides a turnkey solution for fMRI & MRI Patient Relaxation Products. It is a complete and user-friendly system for simplifying and standardising implementation of functional MRI in clinical environments. It has been specifically designed to fit within the workflow of your hospital's daily routine, making the process of pre-surgical mapping simple, efficient and reproducible. The In-Bore MRI Cinema system which is MRI compatible display is designed to fight claustrophobia during MRI scan.

BOOTH C06

LMT Medical Systems

Maria-Goeppert-Strasse 5 • Luebeck, SH 23562 Germany
Telephone: +494 5158 0980 • Email: info@lmt-medicalsystems.com
www.lmt-medicalsystems.com

LMT Medical Systems GmbH is based in Luebeck, Germany, and is specialized in the development of MRI Accessories such as the MR Diagnostics System nomag®IC ADVANCED and miscellaneous multi-channel RF-coils for 20 years. With the nomag®IC ADVANCED, MR images and premature babies ca be produced gently and free from complications. Radiologists, pediatricians und nurses are considerably relieved of their workload and costs are optimized. Due to the high demand of miscellaneous MR-Coils for particular examinations and research, LMT is also specialized in developing different coils for MRI.

BOOTH A15

Lode B.V.

Zernikepark 16 • Groningen, 9747 AN Netherlands
Telephone: +31 50 5712811 • Email: ask@lode.nl
www.lode-ergometry.com

At Lode, we are committed to improving athletes and patients and getting the best out of themselves. Wedo this by providing the highest quality ergometry solutions to our clients. We adhere to all necessary quality requirements and standards, ensuring that our products meet the highest levels of safety and reliability. This has led to installations of our ergometry solutions worldwide. We take great pride in our work and are dedicated to ensuring the satisfaction of our clients. Trust us to provide you with the best possible solutions for your ergometry needs.

Since 1948 Lode has been the manufacturer of high quality medical ergometers that excel in accuracy, reliability and durability. Our ergometers find their application in the field of rehabilitation, sports medicine, cardio pulmonary, imaging and pediatrics all over the world. Long-term experience in manufacturing medical equipment and continuous development to meet the changing requirements of the market, make Lode a flexible and reliable partner. Lode has all the necessary competences in house, such as movement scientists, its own R&D department and manufacuring facilities. We are driven by quality, innovation, social impact and fun. Together we can transform your specific ideas and wishes into custom-made products.

BOOTH E19

Magnetica Ltd

115 Frederick St. Unit 4 • Northgate, Queensland 4013 Australia
Telephone: +61 (0) 7 3188 5445 • Email: enquiries@magnetica.com
www.magnetica.com

Magnetica Limited is a pioneering developer and Original Equipment Manufacturer (OEM) of compact high-field MRI systems. At the forefront of MRI technology for many years and following a merger with Scientific Magnetics and Tecmag in January 2021, Magnetica specializes in innovating lightweight superconducting MRI systems for dedicated applications.

The company's unique approach utilizes cryogen-free superconducting magnets, requiring significantly less infrastructure than traditional MRI systems and making them ideal for numerous non-traditional locations. With a mission to revolutionize MRI technology through compact and efficient designs, Magnetica is committed to making advanced imaging more accessible and user-friendly.

BOOTH B26

Max Planck School of Cognition

Stephanstrasse 1A • 04103 Leipzig, Saxony Germany
Telephone: +49 341 99402685 • Email: cognition@maxplanckschools.de
ww.cognition.maxplanckschools.org/en

The doctoral program at the Max Planck School of Cognition offers exceedingly bright students a superior grasp of the different methods and approaches used in the rapidly evolving field of Cognition.

The School is comprised of an outstanding and world-renowned cluster of faculty researchers from diverse scientific backgrounds but with overlapping research interests. The researchers come from Max Planck Institutes, universities, Helmholtz Association and Fraunhofer Society. The program consists of an orientation year (basic courses, lab rotations) followed by three years of research for the doctorate and is fully financed.

BOOTH E08

Mediso Medical Imaging Systems

Laborc u.3. • Budapest 1037 Hungary
Telephone: +36 1 399 3032 • Email: gabriella.barotai@mediso.com
www.mediso.com

Mediso works in the field of medical imaging for 30+ years with a profile of development, manufacturing, selling and servicing standalone and multi-modality imaging devices. The company offers complete solutions from hardware design to evaluation and quantification software for clinical patient care and preclinical research.

Mediso has a leader position in the preclinical imaging market with over 300 commissioned systems around the world. Beyond the market leading nanoScan® PET/CT and SPECT/CT, Mediso also offers standalone MRI and integrated PET/MRI systems based on a cryogen-free magnet with 3T or 7T field strength and a PET insert for simultaneous PET/MRI imaging. Now systems are equipped with the next generation MRI spectrometer spinScan® optimized for MRI applications delivering an ultra-low-noise expandable RF front-end and real-time dynamic shimming.

Products are sold directly or through a distribution network in 100+ countries worldwide.

BOOTH E17

Metrolab Technology SA

ch. du Pont-du-Centenaire 110 • Plan-les-Ouates, Geneve 1228, Switzerland
Telephone: +41 22 884 33 11 • Email: contacts@metrolab.com
www.metrolab.com

Metrolab Technology SA, the global leader in precision magnetometers, renowned for measuring high-intensity magnetic fields with unparalleled precision, proudly announces its recent accreditation as an ISO17025 calibration laboratory for magnetic measurements. Over our 35-year history, we've won the trust of MRI manufacturers and physics laboratories worldwide, including industry giants like GE, Philips, and Siemens Magnet Technology, as well as esteemed institutions such as CERN in Europe, Fermilab in the USA, and KEK in Japan. Our comprehensive product lineup encompasses:

- Three-axis Hall Magnetometers: compact, user-friendly devices proficient in measuring and mapping all three magnetic field components.
- Precision Digital Integrators: advanced fluxmeters engineered for high-precision measurement and mapping of complex fields.
- NMR Precision Teslameters: the benchmark in magnetometer technology.
- NMR Magnetic Field Cameras: the endorsed solution for mapping entire-body MRI

BOOTH D04

MR Shim GmbH

Ferdinand-Lassalle-Strasse 36 • Reutlingen, BW 72760 Germany
Telephone: +49 1590 1019 828 • Email: info@mrshim.de
www.mrshim.de

MR Shim GmbH is a medical device manufacturing company focused on magnetic field homogeneity for MRI applications. Our products are made with the principle that medical devices should:

- Be intuitive and easy-to-use,
- Be robust and safe,
- And bring value to the user.

During many years of research in MRI, the founders saw that the potential of MRI machines could not be fully realised with poor magnetic field homogeneity. From this experience, the company MR Shim was founded.

With our end-to-end B0 shimming solutions, customers can achieve artifact-free MR imaging and spectroscopy. Our products are compatible with all field strengths, all MRI vendors, both animal and human applications, and for different body applications (e.g. neuro, abdominal, etc.).

We improve magnetic field stability using arrays of small, local shim coils. Our digital shim amplifiers can be used for real-time updating and field correction. We are constantly improving our products with the latest state of-the-art technologies.

BOOTH D26

MR Solutions, Ltd

Ashbourne House • Old Portsmouth Road • Guildford, Surrey GU3 1LR UK
Telephone: +33684611551 • Email: information@mrsolutions.com
www.mrsolutions.com

MR SOLUTIONS GROUP develops and manufactures innovative MR, CT, PET and SPECT imaging solutions. All scanners are interchangeable between each other for multi-modality imaging.

The company is the worldwide leader in high-field cryogen-free MR and delivers systems up to 9.4T with a bore size up to 42 cm. This technology has exclusive features such as rotating the system to 90° and to change the field within few minutes. It doesn't require quench pipes and heavy site building therefore the installation cost is extremely low.

PET/MR imaging is possible up to 9.4T simultaneously. SPECT can be combined with PET/MR for a tri-modality imaging scanner. PET and SPECT scanners are based on our proprietary CLIP-ON technology. They are easily removable from the MR in minutes, and can be plugged straight onto the CT.
Several models of PET/SPECT/CT's are available: Benchtop, high resolution, and very large bore for 12 kg animals.

MR SOLUTIONS can refurbish and enhance all components from any MR.

MR Solutions holds the prestigious Queen's awards, the innovation award from the Institute of Physics and is the winner in the global R&D 100 awards.

MR Solutions has offices and support staff all across the world.

BOOTH C26

MRC Systems GmbH

Hans-Bunte-Str. 8-10 • Heidelberg, BW 69123 Germany
Telephone: +49 6221 13 80 300 • Fax: +49 6221 13 80 301 • Email: info@mrc-systems.de
www.mrc-systems.de

MRC Systems GmbH from Heidelberg, Germany, presents its MRI compatible video cameras, eye-trackers and motion tracking solutions.

Our cameras are very compact, flexible and easy to install. They are used in various applications like face and hand monitoring, observation of children during scans, etc.

For eye-tracking we offer monocular and binocular versions and a new compact solution for 7T scanners. For motion tracking we have a modular system with hardware and software for marker-based mono and stereo tracking. The modules can be flexibly integrated into specific applications.

Our cameras are in the market since more than 20 years. They are used whenever the video recording or tracking of a subject, an animal or a device are needed. We have different models which are used in scanners with field strengths of up to 11.7T. We also have various camera mounts as well as light sources and support a wide variety of applications.

BOOTH D18

Neos Biotec

Sancho el Fuerte, 29 • Pamplona, Navarra 31007 Spain
Telephone: +34 607 431 450 • Email: info@neosbiotec.com
www.neosbiotec.com

Neos Biotec is the MRI coil supplier for your preclinical research.

Cutting-edge preclinical research often involves the design of unique MRI experiments, where a close proximity with RF coil engineers is an important and necessary asset.

We do not just build customized RF coils with the highest level of quality and performance, but also work side-by-side with our customers to provide our support and expertise in all project stages: from initial MRI experiment design and RF coil concept definition to coil commissioning, setup and after-sales customer service.

We are a customer-focused company with more than a decade of experience in RF coil engineering, and our goal is to become a member of your multidisciplinary team sharing our knowledge and experience through a smooth and efficient collaboration.

In addition to fully customized coils, designed from scratch, we also offer a wide portfolio of standard, off-the-shelf coils for the most common applications.

We kindly invite you to visit our booth to discuss your present and future preclinicial RF coil needs.

BOOTH A29

Neoscan Solutions GmbH

Joseph-von-Fraunhofer-Strasse 6 • Magdeburg, Saxony-Anhalt 39106 Germany
Telephone: +49 391 5639 8540 • Email: info@neoscan-solutions.com
www.neoscan-solutions.com

Neoscan Solutions is a MedTech Company located in Magdeburg, Germany. At the heart of our innovation lies a remarkable 1.5T MRI system designed exclusively for newborns and infants, revolutionizing diagnostic care. Picture a compact marvel that gracefully takes its place within the NICU or pediatric ward, eliminating the need for risky patient transports to distant radiological departments. Our key innovations include being the world's first cryogen-free clinical MRI, rendering RF cabins obsolete. Coupled with a fully digital console and user-friendly MR sequence development software, we're redefining the landscape of pediatric diagnostics. In a world clamoring for radiation-free, high-resolution diagnostic solutions, Neoscan Solutions stands tall, ensuring MRI is not just a service but a safeguard, reaching the most vulnerable patients precisely where they need it the most. Welcome to a future where innovation meets compassion. Welcome to Neoscan Solutions.

BOOTH B22

NEUROPHET, Inc.

12F, Samwon Tower • 124, Teheran-ro Gangnam-gu • Seoul 06234 Republic of Korea
Telephone: +82 10 3171 5822 • Email: jay_j@neurophet.com
www.neurophet.com

Specializing in innovative medical solutions for neurodegenerative diseases, Neurophet Inc. integrates state-of-the-art AI technologies with neuroimaging, brain modeling, and neuromodulation.

Our mission is dedicated to assisting patients afflicted with neurodegenerative diseases through advanced diagnostics and therapeutic support.

At Neurophet, our focus lies in developing AI-driven neuroimaging analysis software tailored to the needs of clinicians and researchers. Our products serve as invaluable diagnostic support tools for conditions such as Alzheimer's disease (AD) and stroke. They facilitate brain region of interest (ROI) segmentation, enabling precise measurement of ROI volume and assessment of key biomarkers of neurodegeneration.

We are excited to engage with the ISMRM 2024 community, sharing our advancements and collaborating to further enhance neuroimaging methodologies for improved patient care and research outcomes.

BOOTH A05

Ningbo Chuanshanjia Electrical & Mechanical Co., Ltd.

No.555 Yeshan Road • Yuyao, Zhejiang 315400 China
Telephone: +86-0574-62615090 • Email: service@csj-mr.com
www.nbcsj-mr.com

NingBo ChuanShanJia Electrical and Mechanical Co., Ltd. (CSJ), with over 20 years of expertise in nuclear magnetic resonance technology, specializes in the design and manufacturing of advanced MRI systems and specialty magnets. At the forefront of research in permanent magnet, electromagnetic, and superconducting technologies, CSJ's product portfolio includes state-of-the-art MRI magnets and coils, NMR analysis systems, EPR systems, veterinary MRI systems, cerebral hemorrhage monitoring, mobile MRI, and MRI intervention systems. Additionally, we offer magnetic resonance-compatible equipment for various treatments and active shielding solutions for MRI site interference.

Renowned for technical excellence, high-quality products, and exceptional service, CSJ has earned widespread acclaim and rapid growth. We cater to a global market, providing personalized magnetic resonance components and systems for sectors such as medical, agriculture, food, polymer materials, petroleum, semiconductor, and life sciences.

Committed to continuous innovation in technology, equipment, and service, CSJ aims to develop cost-effective, high-quality products to meet future development needs. Our guiding principles of leading technology, market service, integrity, and the pursuit of perfection, ensure strict management, advanced technology, reliable quality, and superior after-sales service. Discover how our tailored solutions can enhance your organization at the ISMRM exhibition.

BOOTH F26

NIRx Medizintechnik GmbH

Gustav-Meyer-Allee 25, Building 12 • Berlin, Berlin 13355 Germany
Telephone: +49 308 1453 5990 • Email: consulting@nirx.net
www. nirx.net

NIRx Medizintechnik GmbH is a leading provider of comprehensive solutions for functional near-infrared spectroscopy (fNIRS) research. Our non-invasive and user-friendly fNIRS technology enables the measurement of neural activity in the cortex and large-scale cortical networks, providing insights into the neural mechanisms underlying perception and cognition.

Our complete range of research solutions includes a versatile multimodal hardware platform, advanced online and offline analysis software, expert technical and scientific support, and comprehensive training programs. We are dedicated to supporting fNIRS researchers through our offices in Orlando, New York, and Berlin, Germany.

Whether you're investigating changes in neural activity during development, researching disorders and their treatments, or exploring new applications in neuroscience, NIRx has the expertise and solutions to help you achieve your research goals. For more information, please contact us at +49 308 1453 5990 (EU), (+1) 321-352-7570 (US/Canada), or email us at consulting@nirx.net.

ISMRM ASSOCIATE CORPORATE MEMBER

20 YEARS ISMRM EXHIBITOR

BOOTH A14

Nova Medical, Inc.

150 West Street, Suite 201 • Wilmington MA 01887 USA
Telephone: +1 978 988 5553 • Email: info@novamedical.com
www.novamedical.com

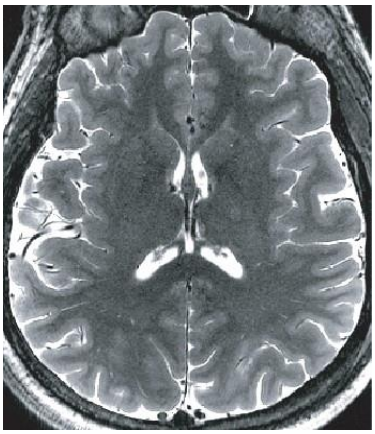
Nova Medical, Inc. (Wilmington, MA, USA), a leader in high field RF coil engineering, provides high performance coils for both medium and high field MR systems. Our standard products include multi-channel whole brain arrays for 3T and 7T, volume transmit solutions for 7T, and our eight channel transmit, thirty-two channel receive system for brain imaging at 7T. Please visit our booth and see our latest offerings.

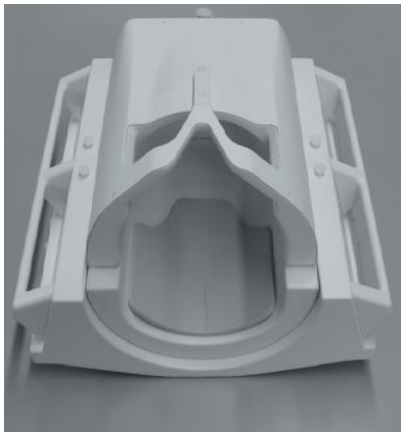
Nova Medical, Inc.

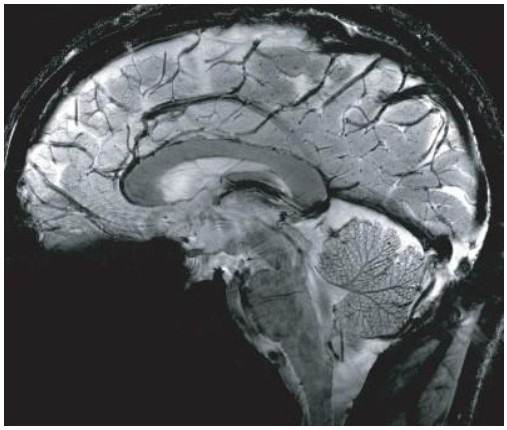
Featuring our latest product line for High Field Neuroimaging

3T 32CH Head Coil

- CE & FDA 510k Approved.
- Outstanding sensitivity
- Optimized for highly accelerated imaging in any plane.
- Open front for visual stimuli presentation
- Ideal for fMRI, DTI, spectroscopy and hi-res anatomic imaging

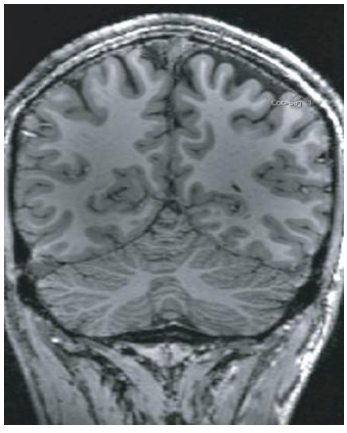


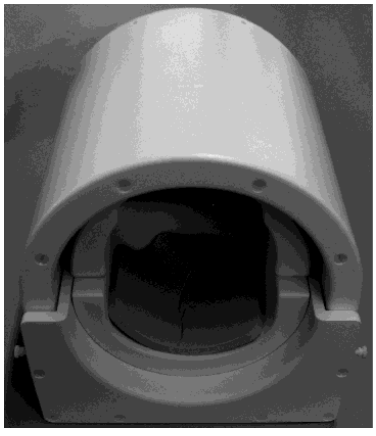




7T 1Tx/2Tx32Rx Head Coil

- CE & FDA 510k Approved.
- High Efficiency Local TX
- Superb cortical and central brain SNR
- Multi-plane acceleration
- Mirror for rear-view projection





7T 8Tx32Rx Head Coil

- CE Marked & FDA 510k pending on Siemens Terra X System. Investigational device on others.
- CP Efficiency similar to Nova 1TX
- High performance 32RX for best SNR and parallel imaging capability
- B1 Field correction optimizes 7T image contrast and sensitivity.

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BOOTH D05

EXHIBITOR 15+ Years

Nukem Isotopes GmbH

Rodenbacher Strasse 47 • 63755 Alzenau, Bavaria Germany
Telephone: +49 (0) 6023 94 74 803 • Email: tilo.glaeser@nukemisotopes.de
www.nukem-isotopes.com

NUKEM Isotopes GmbH offers and markets Oxygen-17, Xenon-129 and Nitrogen-15 products for use in MRI as well as Oxygen-18 for use in PET.

- Oxygen-17 is the only non-radioactive isotope to measure oxygen consumption and metabolism in real-time by using MRI systems for diagnostical application and medical research and provides a breakthrough of Magnetic Resonance Imaging using standard clinical MRI scanners.
- Oxygen-17 is available in the form of gas and water with different enrichments up to 90 at.%.
- Xenon-129 in the form of gas is one of the most promising non-invasive and non-radioactive gases for MRI-Imaging of the lung. Xe-129 is available as pure gas and gas mixture 1% (or 3%) Xe-129, 10%, N2, 89% (or 87%) He.
- Nitrogen-15 in the form of gas could have a potential as lung imaging agent especially in high field MRI scanners due to its similar behaviour to air. Additionally, Nitrogen-15 is available in the form of Ammonium salts and Nitrates.
- Oxygen-18 in the form of water is used to create tailored organochemical compounds labelled with the radio isotope 18F (for example, 2-fluoro-2-deoxy glucose [18FDG]). These are used for Positron Emission Tomography (PET), the most common cancer diagnostic technique.

BOOTH E26

NVision Imaging Technologies GmbH

Wolfgang-Paul-Straße 2 • Ulm, Baden-Würtemberg, 89081 Germany
Telephone: +49 731 141107-10 • Email: info@nvision-imaging.com
www.nvision-imaging.com

NVision is enabling Hyperpolarized (HP) MRI at scale. We are producing the first scalable preclinical and clinical polarizers and agents for widespread use, adding metabolic imaging capability to standard MRIs. By harnessing quantum mechanical phenomena, we are imparting spin orientation to the nuclei of carbon atoms of molecules natural to the body. This makes metabolites, such as pyruvate, visible to MRI and enables visualization of the metabolic phenotype of tumors and other pathologies. Future translation of hyperpolarized MRI agents to the clinic has the potential to significantly improve the accuracy of MRI in assessing tumor aggressiveness (risk) as well as to offer a first of its kind method for early prediction of treatment efficacy in a matter of days. NVision's polarizers exhibit unparalleled rapid polarization within minutes, exceptional robustness, user-friendly operation, and the highest level of effectiveness. Deliveries of preclinical / clinical polarizers from 2024 / 2025.

BOOTH B20

O2M Technologies, LLC

2201 W Campbell Park Dr. • Chicago, IL 60612 USA
Telephone: +1 312-489-8514 • Email: info@oxygenimaging.com
www.oxygenimaging.com

O2M Technologies™ is a Chicago-based biotech company and an American manufacturer of preclinical pulse electron paramagnetic imaging (pEPRI or electron MRI/eMRI) instrument, JIVA-25™. JIVA-25™ uses trityl-OX071-based pEPRI technology to generate three-dimensional oxygen maps with high spatial, temporal, and pO2 resolution. JIVA-25™ is suitable for in vitro and small animal in vivo imaging measurements. Oxygen is a fundamental physiologic parameter with significance in diagnosing and treating many pathologies. Three-dimensional oxygen maps are essential to understanding biology and developing advanced therapies in cancer, neurology, T1D, tissue engineering, regenerative medicine, and many other biomedical fields. JIVA-25 has been used to demonstrate oxygen-guided radiation therapy in three preclinical tumor models, assess an FDA-approved radiosensitizer drug, and assess beta cell replacement devices. We have recently shown that using JIVA-25™, we can obtain quantitative blood-brain barrier (BBB) leakage maps in a simple and straightforward way, along with brain pO2 maps in preclinical models of neuroinflammation. These findings will have broad implications in the neurology field, from mental health and substance abuse to neurological disorders and brain tumors. Reach out to us with your questions and requests at info@oxygenimaging.com. Check out our website, www.oxygenimaging.com, for more information. The recent publications using JIVA-25 can be found at https://oxygenimaging.com/publications/.

BOOTH D03

ODU (HK) TRADING CO LIMITED

25/F, AXA Southside, 38 Wong Chuk Hang Road • Wong Chuk Hang, Hong Kong 0000
Telephone: +852 3963 9588 • Email: sales@odu.hk
www.odu-connectors.com

In the world of modern medicine, new possibilities are arising at lightning speed – with demands on the respective technology increasing just as quickly. And, just like existing applications, each and every innovation must guarantee the highest level of security along with a wide range of benefits.

ODU has been providing time-tested connector technology and innovative customized solutions for decades now. Leading medical technology manufacturers know they can count on our expertise as a globally active partner – because when it comes to interfaces for medical applications, we know exactly what we are talking about. ODU products offer consistent failure protection and the dependable transmission of signals, power, data, and media such as air, liquids or even light waves. They are also the perfect solution for a variety of applications in the daily medical environment: highly functional, robust technology ideally suited to high-hygiene environments and heavy-duty use – but always user-friendly and easy to operate.

ODU is your dependable partner for future-focused medical technology with perfect connections - for diagnostics, treatment, hybrid operating rooms and patient monitoring.

BOOTH D27

Optoacoustics Ltd.

Hanotea 17 Street • Mazor, 73160 Israel
Telephone: +972 3 634 4488 • Email: info@optoacoustics.com
www.optoacoustics.com

Optoacoustics is the leader in high performance optical fiber-based sound and measurement solutions for fMRI, interventional and clinical MRI and MEG. Optoacoustics MR-safe microphones and headphones provide crisp, clear two-way communications.

Our FOMRI-III+ noise cancelling microphone is today's standard for recording high quality speech in fMRI, providing hands-off, completely automatic speech synchronization and recording for any TTL or stimulus.

Our ultra-slim OptoACTIVE active noise cancelling headphones actively and passively reduce over 95% of EPI gradient noise and deliver high fidelity audio. Designed for today's 32- and 64-channel head coils, OptoACTIVE enables MR research that would not otherwise be possible.

Our pioneering IMROC IR Wireless is the most adopted DSP-based adaptive noise reducing communication system available for interventional MRI environments, enabling up to eight concurrent dialogs during a scan – between staff members, technologists and the patient.

Optoacoustics MRI products are CE and MDR Medical Device certified, and US FDA 510(k) cleared.

We're proud of our outstanding reputation as a long-time supplier of robust, innovative and inherently safe solutions to academic and research institutions, hospitals and health agencies. Optoacoustics continues to expand its unique offerings in the medical equipment sector.

BOOTH D20

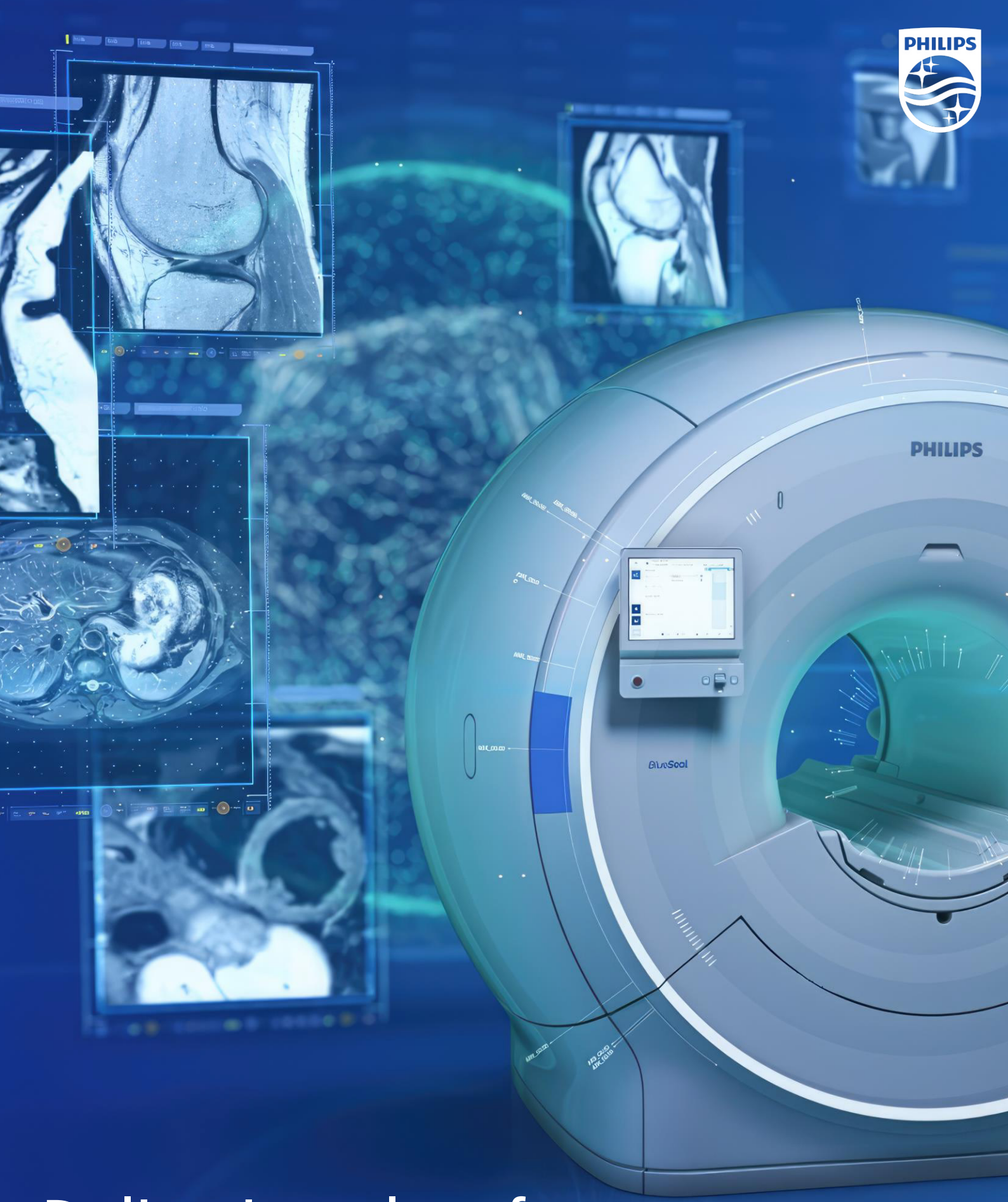
OSENSA Innovations

8672 Commerce Ct. • Burnaby, BC V5A 4N7 Canada
Telephone: +1 604 259 7177 • Email: info@osensa.com
www.osensa.com

Osensa Innovations is a pioneering provider of cutting-edge temperature monitoring solutions. Our company specializes in advanced fiber optic and wireless sensing technologies, catering to a diverse range of industries, including medical applications such as magnetic resonance imaging (MRI) equipment.

At Osensa, our focus is on delivering precise, real-time temperature data collection systems designed to optimize the performance and safety of medical equipment used by The International Society for MR Radiographers & Technologists. Our innovative solutions are tailored to enhance the accuracy and efficiency of MRI procedures, ensuring superior quality and reliability.

With a commitment to innovation and reliability, Osensa Innovations empowers healthcare professionals and researchers within ISMRM & ISMRT to achieve exceptional standards in patient care, diagnostics, and research through advanced temperature monitoring solutions.



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BOOTH B18

Phantom Metrics

311 23rd Street Ext Ste. 200 • Pittsburgh, PA 15215 USA
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www. phantommetrics.com

Phantom Metrics manufactures MRI phantoms for diffusion imaging to verify scanner performance accuracy, stability, and comparability across time, site, and device. Our MRI Diffusion Phantoms include our company's patented Taxon™ hollow fiber technology to provide ground truth characterization of diffusion performance with simulated axons and axonal tracts. Taxon™ fibers include 0.9 um inside-diameter holes and controlled hole packing densities up to ~.5 M/mm2. Other phantom features include characterized isotropic diffusion fluids for T1/T2/Proton Density/ADC and fixtures to assess spatial homogeneity and geometric distortion. Quantified fiber tract profiles allow quantification of restricted, hindered, and free diffusion metrics.

ISMRM GOLD CORPORATE MEMBER

20 YEARS ISMRM EXHIBITOR

BOOTH E18

Philips Healthcare

Amstelplein 2 • Amsterdam, BC 1096 Netherlands
www.philips.nl

Philips is a leading health technology company focused on improving people's lives – from healthy living and prevention, to diagnosis, treatment and home care.

Applying advanced technologies and deep clinical and consumer insights, Philips delivers integrated solutions that address the Quadruple Aim: improved patient experience, better health outcomes, improved staff experience, and lower cost of care. Partnering with its customers, Philips seeks to transform how healthcare is delivered and experienced. Philips is a leader in diagnostic imaging, image-guided therapy, patient monitoring and health informatics, as well as in consumer health and home care.

We aim to improve 2.5 billion lives per year by 2030. We will be the best place to work for people who share our passion, promoting personal development, inclusion and diversity. Together we will deliver superior, long-term value to our customers, while acting responsibly towards our planet and society, in partnership with our stakeholders.

BOOTH C17

Pure Devices GmbH

Kettelerstr. 5 - 11 • Rimpar, Bavaria 97222 Germany
Telephone: + 49 0 9365 2069490 • Email: info@pure-devices.com
www.pure-devices.com

Pure Devices GmbH is a manufacturer of state-of-the-art portable and bench-top MRI scanners for education and research. Furthermore Pure Devices provides external gradient and RF amplifiers especially for applications in bench-top MRI.

The young company consists of a qualified team of engineers, electrotechnicians and physicians. Team spirit, solidarity, the satisfaction of defining new goals together and breaking new ground are not just practiced in the workplace. Our successful hardware products are proof for our advanced designs at the forefront of technology.

Since 2011, the headquarters is located near Würzburg in the heart of Europe. From here the research and development, project planning, construction, set up, testing and finally sale takes place. All our products are designed and made in Germany.

Our company is known for our bench-top MRI scanners "portable Lab" for educational use and "research Lab" for the scientific laboratory setting.

BOOTH A35

QMENTA

75 State St, Ste. 100 • Boston, MA 02109-1826 USA
Telephone: +1 339 368 8040 • Email: info@qmenta.com
www.qmenta.com

QMENTA is a Medical Imaging AI tech company that offers cloud-native software solutions for imaging professionals and imaging clinical trials through one single platform.

Our customizable platform, QMENTA Imaging Hub, integrates 5 solutions in one single system: An Imaging Cloud, A Smart Uploader, AI Imaging Biomarkers, Central Review, and an Imaging Management System, (Imaging EDC, query management, project management, and reporting) removing fragmentation, delays, human errors.

With our global cloud-based infrastructure powered by quality data and AI technology, your research teams will be able to integrate any complex imaging workflow in a matter of days, and in general, make faster and more accurate decisions.

BOOTH B35

Quibim, S.L.

Avenida Aragón 30, 13th floor, Office I-J • Valencia, 46021 Spain
Telephone: +34 961 243 225 • Email: communication@quibim.com
www.quibim.com

At Quibim we design pioneering tools that unlock image data to improve patient outcomes. Our main focus is the application of AI techniques to MRI, CT and PET medical images to unlock new data that can be transformed into actionable predictions.

BOOTH A31

Qutope

Gukjegwahak 22-ro, Yuseong-gu, 1st floor 36 • Daejeon, Daejeon 34002 Republic of Korea
Telephone: +82-(0)42-934-2110 • Email: contact@qutope.com
www.qutope.com

Qutope: A Pioneering Innovator in Isotope Separation Technology, ALSIS

Harnessing the power of lasers, Qutope is a trailblazer in the isotope market, aiming to bring an innovation with its cutting-edge technology.

Our proprietary ALSIS (Advanced Laser Stable Isotope Separation) technology enables us to deliver high-quality, competitively priced products, ensuring customer satisfaction.

Qutope has successfully launched and commercialized Oxygen-18 enriched water and Oxygen-17 enriched water, and we are poised to introduce high-purity Carbon-13 and Carbon-12 isotope products in the second half of 2024.

Furthermore, we are actively conducting research and development to produce highly enriched Deuterium and Ytterbium-176 products.

Key Highlights:

- Pioneering laser-based isotope separation technology
- Commitment to high-quality, competitively priced products
- Successful market launch of Oxygen-18 and Oxygen-17 enriched water
- Upcoming launch of high-purity Carbon-13 and Carbon-12 isotopes in the second half of 2024
- R&D efforts focused on highly enriched Deuterium and Ytterbium-176

Qutope is dedicated to driving innovation and delivering unparalleled value to the isotope market.

For more information, please visit our website or contact us directly.
Website: www.qutope.com
Email: contact@qutope.com

BOOTH C13

20 YEARS ISMRM EXHIBITOR

RAPID Biomedical GmbH

Kettelerstrasse 3-11 • Rimpar, Bavaria 97222 Germany
Telephone: +49 93 65 88 26 0 • Fax: +49-9365-8826-99
Email: florian.odoj@rapidbiomed.de • www.rapidbiomed.de

RAPID Biomedical GmbH develops and produces coils for magnetic resonance imaging. Our high-frequency coils for MR applications support researchers and clinicians worldwide in advanced disease diagnostics. Each coil is developed by our highly qualified experts and either tailored to the customer's specific requirements or created in a small series.

Over the last 25 years, RAPID has delivered over 1300 different coil designs to more than 30 countries. We have thorough experience in designing and manufacturing human and animal coils from low field (0.2T) MR scanners to UHF (21T) NMR systems with a range of 14 different nuclei (and counting). All coils are handmade in Rimpar, Germany.

Our current R&D work concentrates on dual tuned torso applications, such as ^{13}C and ^{12}Xe, dual tuned head and flex coils and dedicated coils for preclinical work on rodents and primates.

Our sister company RAPID MR International (www.rapidmri.com) is located in Columbus, Ohio to assist the needs of the North and South American communities.
We cordially invite you to visit our booth to discuss your next project with RAPID coil engineers and examine our coil solutions and MR results first hand.

BOOTH C02

20 YEARS ISMRM EXHIBITOR

Resonance Technology Inc.

18121 Parthenia St Ste A • Northridge, CA 91325 USA
Telephone: +1 818 882 1997 • email: sales@mrivideo.com
www.mrivideo.com

Resonance Technology, Inc. is an ISO13485:2016 and FDA regulated manufacturing company of patient comfort Audio/Video devices for MRI and fMRI applications. In an ever-changing world, Resonance Technology, Inc. is constantly reengineering new ways to make the MRI procedure entertaining and sedation-free as possible; as well as making devices for research paradigms in the fMRI environment. Along with our major systems, CinemaVision CV2020 and Serene Sound, Resonance Technology, Inc. always strives towards fulfilling customer needs. Alongside with our product comes impeccable customer support for any technical or training needs to truly keep our customers 100% satisfied.

BOOTH A30

Resonint Limited

32 Salamanca Road • Wellington 6012 New Zealand
Telephone: +64 20 4158 7837 • Email: info@resonint.com
www.resonint.com

Resonint was founded in 2019 to make Magnetic Resonance technology more accessible, flexible, and easy to use. Located in Wellington, New Zealand - we are a team with decades of experience in Physics, MR engineering, & product development. Our mission is to create products that enable the growth of MR technologies worldwide and inspire the next generation of MR experts.

Come and visit our friendly team at booth A30 for a demonstration of ilumr, our desktop MRI system!

BOOTH A32

Resoundant

421 1st Ave SW STE 204W • Rochester, MN 55902 USA
Telephone: +1 507-322-0010 • MREinfo@resoundant.com
www.resoundant.com

Resoundant, Inc. was founded by Mayo Clinic and is the developer and manufacturer of Magnetic Resonance Elastography (MRE), a revolutionary imaging technology that quantitatively maps the mechanical properties of tissue almost anywhere in the body. With MRE, physicians can assess changes in these novel biomarkers that occur in conditions like fibrosis, inflammation, and cancer, obtaining information painlessly and noninvasively that previously may have required a biopsy. The software and hardware needed for MRE is available as an upgrade to almost any 1.5T or 3T MRI system. MRE was invented by Mayo Clinic physicians and researchers in a program continuously funded by the National Institutes of Health since 1995. MRE has been commercially available as an FDA-cleared diagnostic technology since 2009 and is used in clinical practice on over 2,400 MRI systems around the world. MRE has been recognized as a standard of clinical care for liver fibrosis staging by numerous professional medical societies and serves as a key biomarker for liver fibrosis for numerous clinical trials. In the United States, a new Current Procedural Terminology (CPT) code was recently approved for MRE, advancing its role as a standalone, rapid, and cost-effective diagnostic test of liver health.

BOOTH B24

RS2D

13 Rue Vauban • Mundolsheim, 67450 France
Telephone: +33 3 90 40 54 00 • Email: contact@rs2d.com
https://rs2d.com/en/

RS2D designs and manufactures customizable and versatile magnetic resonance (MR) electronics. Their Cam4TM platform offers high-performance for a wide range of applications in both low-field and high-field nuclear magnetic resonance (NMR) as well as pre-clinical and clinical magnetic resonance imaging (MRI). Headquartered near Strasbourg, France, RS2D released the first cryogen-free superconducting MRI system for rodents in 2011. Since then, RS2D has released the dynamic MRI console These MRI systems are delivered with RS2D proprietary software suite: PRim.

BOOTH B14

20 YEARS ISMRM EXHIBITOR

SA Instruments Inc.

65 Main Street • Stony Brook, NY 11790 USA
Telephone: +1 631 689 9408 • Email: jhiz@i4sa.com
www.i4sa.com

SA Instruments is the worldwide leader in preclinical MR-compatible monitoring and gating systems, with equipment in every major medical school in the world. For two decades, SA Instruments has offered physiological monitoring and gating, and other support products for small animal research. Recently SA Instruments extended monitoring and gating capability to include large animals. Systems are compatible with all imaging environments including Magnetic Particle Imaging. Recent improvements provide lower cost multi-animal monitoring and gating systems. Systems are available with 3 or 4 channels to allow simultaneous monitoring of multiple animals in MR, non-MR and multimodal environments. Parameters include ECG, temperature, respiration, pressure, including invasive and non-invasive blood pressure, oxygen saturation and end-tidal CO2. Air and fluid-based heater systems allow animal temperature to be regulated even in tight imaging setups. Waveform and trend data can be captured, stored, edited, displayed, and exported for analysis. Several advanced fiber optic sensors are available which are MR and CT-compatible. An ultra-miniature fiber optic pressure sensor provides real time pressure measurements in mice, rats, and larger animals. Also available is a MR-compatible ventilator with remote, miniature, pneumatic valves that provides ventilation for animals as small as mice.

ISMRM GOLD CORPORATE MEMBER

BOOTH D30

20 YEARS ISMRM EXHIBITOR

Siemens Healthineers

Allee am Roethelheimpark 2 • Erlangen, Bavaria 91052 Germany
Contact: www.siemens-healthineers.com/how-can-we-help-you
www.siemens-healthineers.com/magnetic-resonance-imaging

At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. Sustainably. As a leader in medical technology, we want to advance a world in which breakthroughs in healthcare create new possibilities with a minimal impact on our planet. By consistently bringing innovations to the market, we enable healthcare professionals to innovate personalized care, achieve operational excellence, and transform the system of care.

Our portfolio, spanning in vitro and in vivo diagnostics to image-guided therapy and cancer care, is crucial for clinical decision-making and treatment pathways. With the unique combination of our strengths in patient twinning[2], precision therapy, as well as digital, data, and artificial intelligence (AI), we are well positioned to take on the greatest challenges in healthcare. We will continue to build on these strengths to help overcome the world's most threatening diseases, enable efficient operations, and expand access to care.

We are a team of more than 71,000 Healthineers in over 70 countries passionately pushing the boundaries of what is possible in healthcare to help improve the lives of people around the world.

[2] Personalization of diagnosis, therapy selection and monitoring, aftercare, and managing health.

BOOTH E02
BOOTH SHARE WITH CANON

Skope Magnetic Resonance Technologies (Booth Share Canon)

Thurgauerstrasse 39 • Zurich 8050 Switzerland
Telephone: +41 43 500 80 60 • Email: contact @skope.ch
www.skope.swiss

Skope provides solutions for the direct measurement of the dynamic magnetic field within the scanner during image acquisition. Solutions are available for systems between 1.5T and 11.7T, allowing users to produce reliable and reproducible images using a streamlined workflow capable of integrating into any neuroimaging experimental design. Users can focus on neuroimaging goals instead of image quality concerns.

Possible applications span from characterizing prototype MR systems to ensuring reproducible results in a neuroscience context – contributing to integration into everyday use in tomorrow's MR system.

Skope: Your Partner in Scientific MR Imaging.

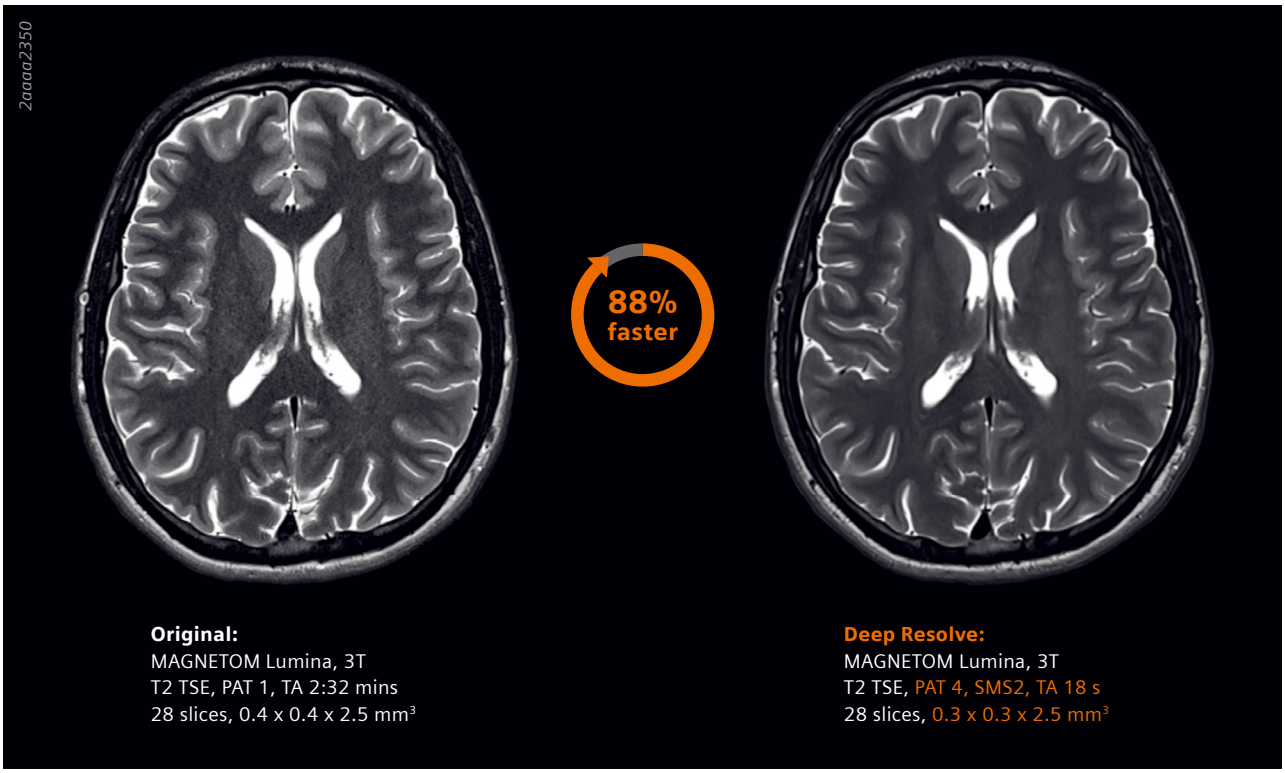
Deep Resolve

Unrivaled speed in MRI

siemens-healthineers.com/deepresolve

Deep Resolve Boost and Sharp are deep learning image reconstruction technologies that takes advantage of neural networks to accelerate MR scans, making them faster than ever before. Shorter scans boost workflow efficiency while improving the patient experience. Deep Resolve Boost's raw data-to-image reconstruction and rapid acquisition are game changers in MRI, helping generate actionable insights that can be diagnostically relevant.

- Deep Resolve Boost is a raw data-to-image deep learning reconstruction technology that enables high SNR and radically accelerated image acquisition.
- Enabling all relevant contrasts in one go with multi-shot EPI and deep learning reconstruction for a total neuro exam in two minutes scan time.



SIEMENS Healthineers

BOOTH A34

Subtle Medical

883 Santa Cruz Ave, Suite 205 • Menlo Park, CA 94025
Telephone: +1 (650) 397-8709 • www.subtlemedical.com

Subtle Medical is a pioneering healthcare technology company that leverages cutting-edge AI/GenAI technologies to innovate imaging workflow. Our mission is to enhance the quality, efficiency, accuracy, and patient experience in diagnostic imaging. Subtle's flagship products SubtleMR and SubtlePET have been adopted clinically at over 500 hospitals and imaging centers globally for improved diagnosis quality and patient experience, making imaging procedures faster and safer for millions of patients a year, while also improving the productivity of radiologists and technologists.

BOOTH B13

Tesla Engineering Ltd.

Water Lane • Storrington, West Sussex RH20 3EA, UK
Telephone: +44 1903 743941 • Email: sales@tesla.co.uk
www.tesla.co.uk

Tesla Engineering Ltd. was founded over 50 years ago to supply magnets for particle accelerators. Today, the Tesla group of companies has factories in the UK, the USA, and the Netherlands. The group has combined expertise in magnetics, composites, and precision manufacturing, and serves a wide range of well-known customers in the fields of Magnetic Resonance Imaging (MRI), Proton therapy, Radiotherapy, Semiconductors and Fusion as well as international research laboratories.

Tesla started manufacturing MRI gradient coils in 1985 and today is the world's leading independent supplier for clinical and preclinical MRI, shipping more than 1,000 units per year.

More recently, Tesla has been selected by a number of MRI system vendors as their strategic development partner. The first of these partnerships resulted in a new generation 7T 90cm UHF MRI magnet. More recently, using the latest technologies, further magnets and gradient coils have been developed for whole-body, extremity and other specialised MRI systems.

The Tesla group's skills in electromagnets, superconducting magnets, cryogenics, RF coils and composites are being applied to a new range of products for the MRI industry, including specialised high field magnets for dedicated clinical and research applications.

BOOTH B30

Time Medical Limited

Rm. 301, Building 20E, Science Park E Ave. No. 20
Hong Kong Science & Technology Park, Shatin, N.T., Hong Kong
Telephone: +852 2156 1711 • Email: info@time-medical.com
www.time-medical.com

Time Medical (TM) is an innovative leader in the medical imaging field and has developed advanced medical imaging systems, including MRI, DR and mobile diagnostic platform, to create cost-effective service solutions for emerging global healthcare needs. It has R&D centers and sales &marketing branches in Silicon Valley, Hong Kong, Shanghai and Singapore, and production facilities in China and India.

TM owns disruptive technologies in the medical imaging industry, including high-temperature superconducting (HTS) RF coil and magnet, ultrahigh field superconducting magnet and system, artificial intelligence imaging, dedicated MR systems, mobile diagnostic platform and tele-imaging service. It has a leading R&D team from Columbia University and Harvard Medical, with over 30 years of experience in the industry.

TM develops innovative 3B imaging systems for Baby (Neona), Breast (Emma) and Brain (Nova) care.

The world first Neonatal MRI won the "Geneva Award" in Geneva Invention Convention. It is light, fast, accurate and safe, and could be installed in over 8,000 Neonatal Intensive Care Units (NICU) worldwide for precise and non-radiative diagnosis of babies.

TM has developed dedicated MR for AI breast cancer screening to the breast diagnostic centers in the US and Asia. There are 8,600 breast mammography centers in the US with annual screening rate of 80% women aged over 45, while such rate is 1% in Asia. X-ray based mammography has radiation risk and a lower accurate rate of 60%, while MR has over 85% accuracy.

BOOTH F25

TracInnovations

Brydehusvej 13 • Ballerup, Capital Region 2750 Denmark
Telephone: +4593881165 • Email: info@tracinnovations.com
www.tracinnovations.com

TracInnovations is a Danish company established in 2015, focusing on innovative solutions for image-based diagnosis and treatment. TracInnovations has developed the Tracoline system, which is an MRI Markerless Motion Tracking System that records patient's head movements during brain scans. The system is used for MRI neurology within research to enable Retrospective and Prospective Motion Correction.

Tracoline

Win 12 months of motion tracking & correction for neuroradiology research

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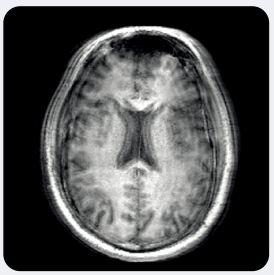
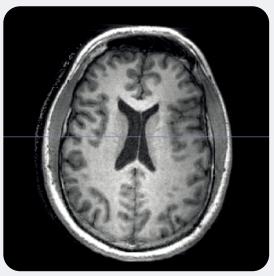
Meet us at booth **F25**

WITHOUT Motion Correction



WITH Motion Correction*



TracInnovations

TRACINNOVATIONS.COM

Terms & conditions apply. Deadline May 31, 2024. Contact us on booth F25 or via info@tracinnovations.com
*Image created from inline motion correction, integrated into Philips scanner software as a research patch – not regulatory cleared.

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UNITED IMAGING

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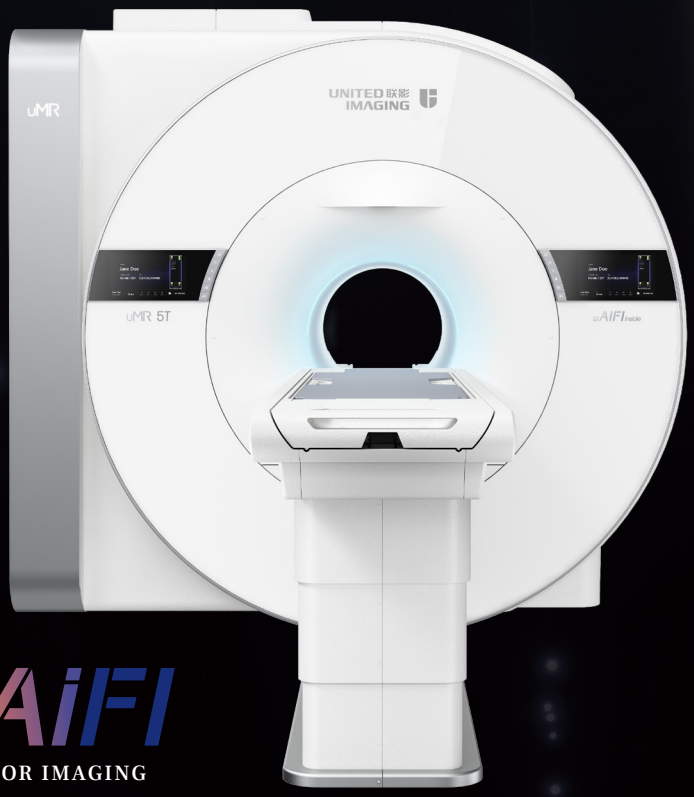
Jupiter 5T



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** uMR® Jupiter 5T is FDA 510(k) pending, not commercially available in the U.S.*
*** Not submitted to FDA, not commercially available in the U.S.*

Visit our booth at A18
and join our lunch symposium
Thursday, May 9, 2024
12:30 - 1:30 pm
Plenary Hall (Hall 603-604)

Find more about us please visit:
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ISMRM GOLD CORPORATE MEMBER

BOOTH A18

United Imaging Healthcare

2258 Chengbei Rd., Jiading District • Shanghai 201807 China
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United Imaging Healthcare Co., Ltd. ("UIH") is a member of the United Imaging Healthcare Technology Group Co., Ltd., which is dedicated to providing, developing and producing high-performance advanced medical imaging, radiotherapy equipment, life science instruments and offering intelligent digital solutions to customers worldwide. UIH was founded in 2011 and headquartered in Shanghai, and has subsidiaries and R&D centers across China, the United States, Malaysia, United Arab Emirates, Poland and other parts of the world.

UIH has a world-class talent team including more than 140 scientists with global experience and more than 600 employees with rich R&D and management experience in the medical industry. And 39% of 7,487 employees are R&D personnel.

UIH has launched over 100 ground-breaking products, including Total-Body PET/CT, HD TOF PET/MR, Whole-body UHF 5T MR, 75cm Ultra-Wide Bore 3.0T MR, 640-Slice CT Scanner, and Fully Integrated CT-linac. All core technologies are developed in house and have been globally or nationally recognized for world-leading performance.

UIH products have been installed in over 12,600 medical and research institutes and over 1000 top hospitals in over 60 countries, including the U.S. and Japan. UIH topped China's new market share lists in the PET/CT, PET/MR, CT and XR sector in 2022.

With our mission, "To Bring Equal Healthcare for All," and our vision, "Leading Healthcare Innovation," we are committed to creating more value for our customers and constantly improving the global accessibility of high-end medical equipment and services through in-depth cooperation with hospitals, universities, research institutions, and industry partners.

BOOTH D25

Vista.ai

431 Florence St., Ste. 100 • Palo Alto, CA 94301 USA
Telephone: +1 650-800-7937
www.vista.ai

Vista.ai is harnessing the power of artificial intelligence (AI) to offer clinicians an easy, cost-effective, and stress-free way to conduct MRI studies. The company's FDA 510(k) cleared One Click MRI™ software-only solution automates and dramatically simplifies a CMR exam, enabling any MRI tech to perform a CMR in a standard mixed-use scanner time slot.

Available for use on Siemens Healthineers and GE Healthcare MRI scanners, One Click MRI.

- Eliminates the need for specialized CMR technologist
- Allows CMRs to fit into your mixed-use scanner standard time slot
- Makes scans less stressful for the technologist
- Gives patients greater comfort and convenience

Vista.ai is funded by Khosla Ventures, and the National Institute of Health's Small Business Innovation Research program.

ISMRM ASSOCIATE CORPORATE MEMBER

BOOTH D08

ZMT Zurich MedTech AG

Zeughausstrasse 43 • Zurich, ZH 8004 Switzerland
Telephone: +41 44 245 9765 • Fax: +41 44 245 9779
Email: info@zmt.swiss • www.zmt.swiss

ZMT Zurich MedTech AG (ZMT) offers unique solutions for regulatory-grade computational modeling and simulation, from device development to physiological response, MRI and implant safety, and verification & validation.

ZMT's flagship product, Sim4Life, is the most advanced simulation platform for the design and development of systems (high and low frequency, ultrasound, etc.) implanted or operated close to the body, for the performance evaluation across the entire patient population and the prediction and analysis of physiologic responses. It has already been accepted by regulators to complement clinical trials.

Recently, the ZMT team has achieved the impossible, namely releasing the full functionality of the Sim4Life desktop version natively on the web, which allows to access, share and collaborate in real-time.

ZMT has also further refined and extended the FDA qualification of its MDDT toolset for MR safety evaluations of active medical implants. It now includes improved population coverage and also offers functionality for the evaluation of passive implants.

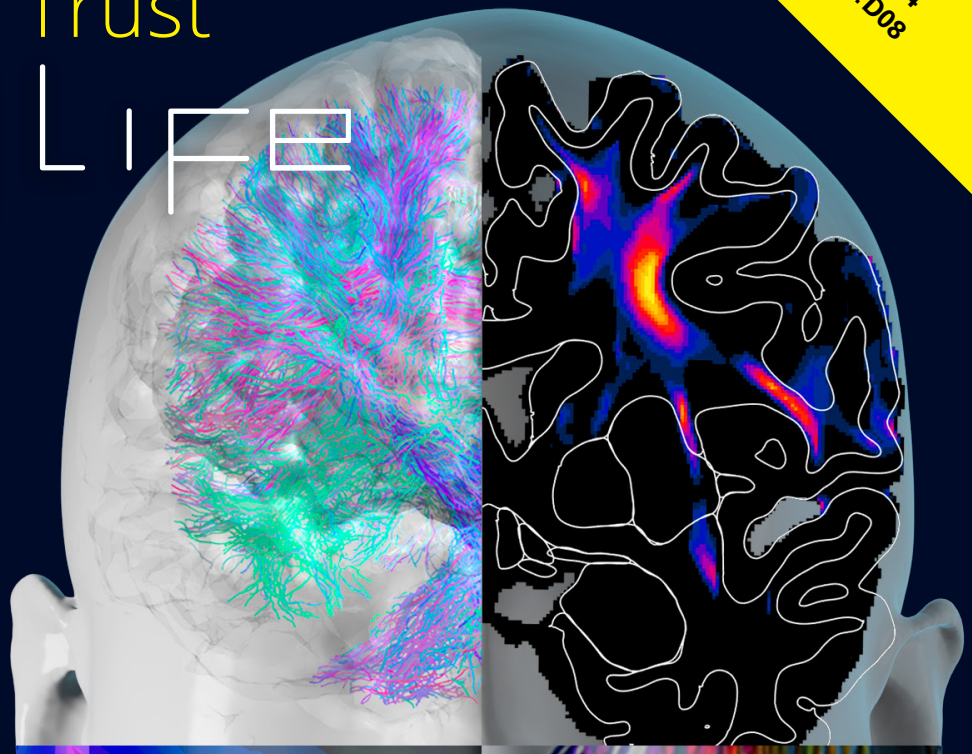
Visit us at booth #D08 to get to know our novel solutions for MRI design and safety in person!

Visit us at
ISMRM 2024
Booth No. D08

SWISS MADE

In Silico We Trust

sim4Life



On the Desktop.
Natively in the Cloud.

zurich med tech

www.zmt.swiss
www.sim4life.swiss

EXHIBITOR INFORMATION & BOOTH NUMBER (ALPHABETICAL)

EXHIBITOR	BOOTH #
American Board of Medical Physics (ABMP)	C23
Analogic	A07
ASG Superconductors SpA	B36
Bayer	B31
BIOPAC Systems, Inc.	A01
Brain Products	D02
Bruker BBIO GmbH & Co. KG (BRONZE Sponsor)	C08
CaliberMRI, Inc.	E05
Cambridge Research Systems	A13
Canon Medical Systems Corporation (GOLD Sponsor)	E02
Corsmed	C28
Esaote China Limited	A36
ESMRMB	C19
ExtendMR LLC	A03
Flywheel	C35
FUJIFILM Healthcare Americas Corporation (BRONZE Sponsor)	D01
GE HealthCare (GOLD Sponsor)	A02
Gold Standard Phantoms	C04
Hawaii Visitors & Convention Bureau	C21
Heuron	E03
Hyperfine, Inc.	D06
International Electric Co. (IECO)	E01
IRadimed Corporation	C25
ISMRM & ISMRT	C18
Kryptonite Solutions	B29
LODE B.V.	A15
LMT Medical Systems	C06
Magnetica Ltd	E19
MAX PLANCK SCHOOL OF COGNITION	B26
Mediso Medical Imaging Systems	E08
Metrolab Technology SA	E17
MR Shim GmbH	D04
MR Solutions Ltd	D26
MRC Systems GmbH	C26
Neos Biotec	D18
Neoscan Solutions	A29
Neurophet, Inc.	B22
Ningbo Chuanshanjia Electrical & Mechanical Co., Ltd.	A05
NIRx Medizintechnik GmbH	F26
Nova Medical Inc. (ASSOCIATE Sponsor)	A14
NUKEM Isotopes GmbH	D05
NVision Imaging Technologies GmbH	E26

EXHIBITOR	BOOTH #
O2M Technologies, LLC	B20
ODU (HK) TRADING CO LIMITED	D03
Optoacoustics Ltd.	D27
Osensa Innovations	D20
Phantom Metrics	B18
Philips Healthcare (GOLD Sponsor)	E18
Pure Devices GmbH	C17
QMENTA	A35
Quibim, S.L.	B35
Qutope	A31
RAPID Biomedical GmbH	C13
Resonance Technology, Inc.	C02
Resonint Limited	A30
Resoundant	A32
RS2D	B24
SA Instruments, Inc.	B14
Siemens Healthineers (GOLD Sponsor)	D30
Skope Magnetic Resonance Technologies (Booth Share w/ Canon)	E02
Subtle Medical	A34
Tesla Engineering Ltd	B13
Time Medical Limited	B30
TracInnovations	F25
United Imaging Healthcare (GOLD Sponsor)	A18
Vista.ai ZMT	D25
ZMT Zurich MedTech AG (ASSOCIATE Sponsor)	D08

EXHIBITOR INFORMATION & BOOTH NUMBER (NUMERICAL BY BOOTH)

BOOTH #	EXHIBITOR
A01	BIOPAC Systems, Inc.
A02	GE HealthCare (GOLD Sponsor)
A03	ExtendMR LLC
A05	Ningbo Chuanshanjia Electrical & Mechanical Co., Ltd.
A07	Analogic
A13	Cambridge Research Systems
A14	Nova Medical Inc. (ASSOCIATE Sponsor)
A15	LODE B.V.
A18	United Imaging Healthcare (GOLD Sponsor)
A29	Neoscan Solutions
A30	Resonint Limited
A31	Qutope
A32	Resoundant
A34	Subtle Medical
A35	QMENTA
A36	Esaote China Limited
B13	Tesla Engineering Ltd
B14	SA Instruments, Inc.
B18	Phantom Metrics
B20	O2M Technologies, LLC
B22	NEUROPHET, Inc.
B24	RS2D
B26	MAX PLANCK SCHOOL OF COGNITION
B29	Kryptonite Solutions
B30	Time Medical Limited
B31	Bayer
B35	Quibim, S.L.
B36	ASG Superconductors SpA
C02	Resonance Technology, Inc.
C04	Gold Standard Phantoms
C06	LMT Medical Systems
C08	Bruker BBIO GmbH & Co. KG (BRONZE Sponsor)
C13	RAPID Biomedical GmbH
C17	Pure Devices GmbH
C18	ISMRM & ISMRT
C19	ESMRMB
C21	Hawaii Visitors & Convention Bureau
C23	American Board of Medical Physics (ABMP)
C25	IRadimed Corporation
C26	MRC Systems GmbH
C28	Corsmed
C35	Flywheel

BOOTH #	EXHIBITOR
D01	FUJIFILM Healthcare Americas Corporation (BRONZE Sponsor)
D02	Brain Products
D03	ODU (HK) TRADING CO LIMITED
D04	MR Shim GmbH
D05	NUKEM Isotopes GmbH
D06	Hyperfine, Inc.
D08	ZMT Zurich MedTech AG (ASSOCIATE Sponsor)
D18	Neos Biotec
D20	Osensa Innovations
D25	Vista.ai
D26	MR Solutions Ltd
D27	Optoacoustics Ltd.
D30	Siemens Healthineers (GOLD Sponsor)
E01	International Electric Co. (IECO)
E02	Canon Medical Systems Corporation (GOLD Sponsor)
E02	Skope Magnetic Resonance Technologies (Booth Share w/Canon)
E03	Heuron
E05	CaliberMRI, Inc.
E08	Mediso Medical Imaging Systems
E17	Metrolab Technology SA
E18	Philips Healthcare (GOLD Sponsor)
E19	Magnetica Ltd
E26	NVision Imaging Technologies GmbH
F25	TracInnovations
F26	NIRx Medizintechnik GmbH

ISMRM AND ISMRT
A SECTION OF THE ISMRM

ONE COMMUNITY
IMPROVING LIFE THROUGH MAGNETIC RESONANCE

ISMRT

ANNUAL MEETING & EXHIBITION

Singapore

03-06 MAY **2024**
SUNTEC SINGAPORE

Welcome to Singapore!

Glenn D. Cahoon, M.Sc., FSMRT | 2023-2024 ISMRT President

As ISMRT President, I offer you a warm welcome to the Annual Meeting of the ISMRT at the Suntec Convention & Exhibition Centre here in the vibrant city of Singapore.

Singapore is a bustling cosmopolitan city in the heart of Southeast Asia. Known for its stunning skyline, lush green spaces, and rich cultural tapestry, Singapore is a destination that promises unforgettable memories. While you're here for the ISMRT Annual Meeting, take the opportunity to explore the iconic Marina Bay Sands, where you can enjoy breathtaking city views from the Skypak Observation Deck. For nature enthusiasts, the Gardens by the Bay with its futuristic Super tree Grove and serene flower domes is a must-visit. Don't miss the chance to immerse yourself in the vibrant hawker culture at places like the Chinatown Food Street, where you can savour a variety of local delicacies.

It is with great pleasure that we once again offer an incredible program filled with insights and opportunities to experience advancements in the field of magnetic resonance imaging. Program Chair Kate Negus and the ISMRT Annual Meeting Program Committee have assembled a 4-day global showcase of accredited educational sessions featuring an outstanding variety of topics and forums, and a world class faculty of presenters. A few of the meeting highlights include:

- The Plenary Lecture to be delivered by Hyperfine co-founder and developer of the world's first portable MRI scanner, Matthew Rosen, Ph.D., presenting on "Low Field MRI & Deep Learning."
- Senior consultant radiologist at Changi General Hospital Singapore, Charlene Liew, MBBS, FRCR, delivering the Keynote Presentation entitled, "AI in Radiology."
- MRI Safety Forum covering implant safety on systems operating below 1.5T, acoustic safety, and the use of ferro-magnetic detectors.
- Multilingual clinical sessions will once again be a feature of our meeting in two parallel sessions in Chinese/English and Japanese/English. These sessions will be pre-recorded in English, and attendees who watch the recordings can earn CE/CPD credits.
- MRI Masterclass on MRI tech role expansion, working overseas, and completing a PhD.
- The ISMRM-ISMRT Joint Forum will be held on Monday morning covering MR Safety in Trauma Imaging
- The President's Lecture will be given by ISMRT Past President Shawna Farquharson, Ph.D., highlighting the role of the radiographer/technologist in driving MRI research as well as the clinical translation and dissemination of technological advances in MRI.

The ISMRT Annual Meeting is also about socialising and networking. The poster reception, during which MR radiographers and technologists will be presenting their posters, is on Friday, 03 May, from 18:00-19:45. Oral presentations and poster awards will be presented at this reception.

You also will not want to miss the Saturday evening function being held at the Paulaner Bräuhaus, located just across the road from Suntec City. This is a great opportunity to connect with fellow ISMRT members, the ISMRT leadership, and our amazing faculty of presenters from around the globe, and have some fun!

For newbies, there will also be the opportunity to attend the Newbie Reception on Saturday prior to the ISMRT gathering.

Throughout the weekend, I encourage you to come and introduce yourselves to the members of the ISMRT Governing Board. We are excited to meet you and hear more about you and your MR experience. The ISMRT committees are chaired by our Governing Board members, and we depend on our at-large members to volunteer to serve on our committees. Many hands make light work! Our society cannot accomplish the things that we do without our committee volunteers.

I invite you to explore and learn more about our committees. We are happy to answer any questions you may have. Consider one or two committees which resonate most with you and become an active member of the ISMRT community by volunteering to serve on a committee.

Lastly, and most importantly, I would like to thank each of you for attending the ISMRM & ISMRT Annual Meeting in Singapore and for your continued support. I would also like to thank the entire ISMRT Governing Board and the committee volunteers for all their hard work and dedication to the cause of MR education and the ISMRT. I would also like to thank our meeting sponsors for their essential and truly appreciated support. It would not be possible to put together such an incredible event like this without the involvement of so many!

Your time in Singapore is the perfect opportunity to connect, share, and learn, both during the Annual Meeting, and beyond. I hope you enjoy the ISMRM & ISMRT Annual Meeting, the beautiful city of Singapore, and the wonderful days ahead of us!

Sincerely,

Glenn D. Cahoon, M.Sc., FSMRT
ISMRT President 2023-2024

ISMRT EXECUTIVE COMMITTEE

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Cristian A. Montalba Zalaquett, B.Sc.
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Ilse Patterson, B.Rad.(MR)
Nina U. Salman, M.Sc.
Petronella Samuels, M.Sc.
Liana Guerra Sanches, Ph.D.
Rhys A. Slough, M.Sc. (Med. Img. - MRI)
Hiroyuki Takashima, Ph.D.

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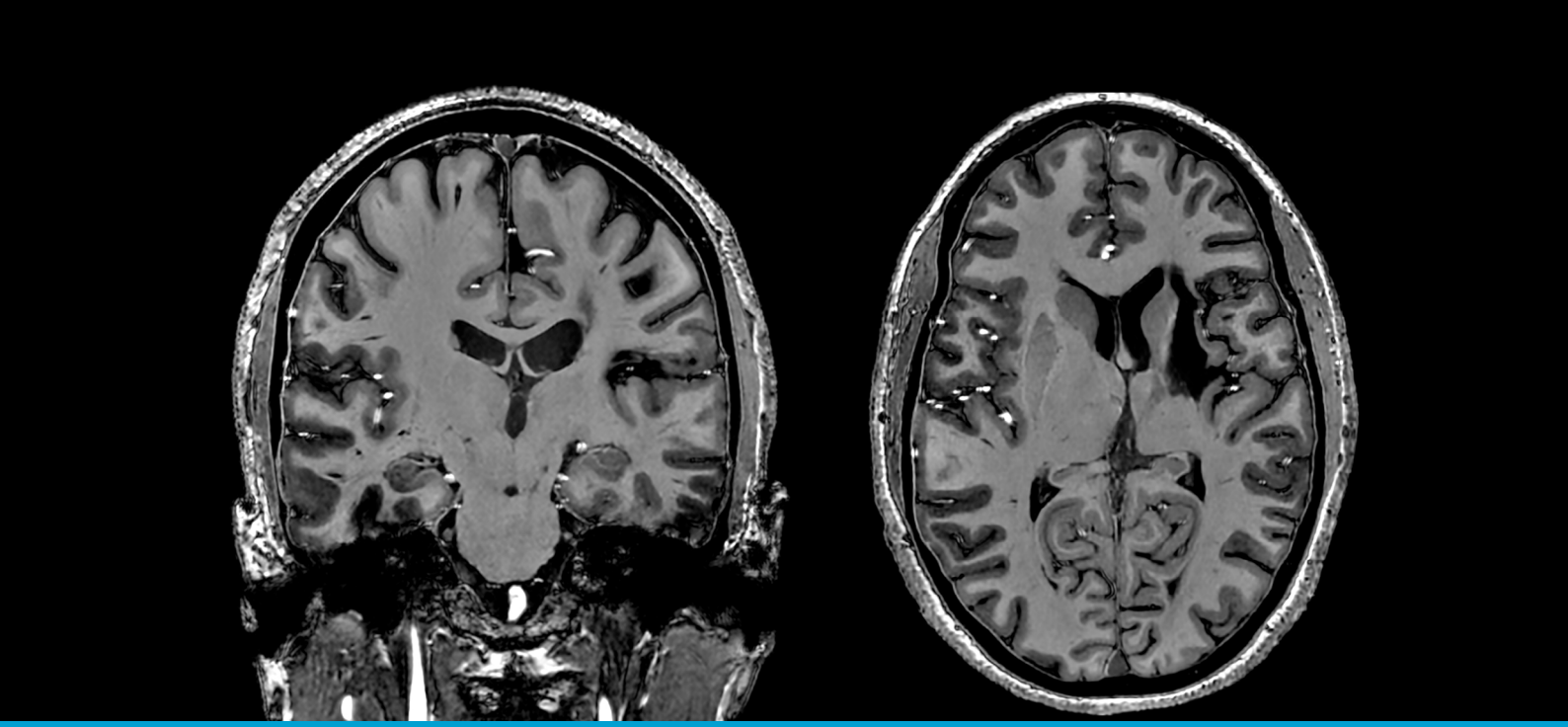

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GE HealthCare

Booth A02

JB28595XX

ATTENDEE CODE OF CONDUCT

The ISMRM & ISMRT ("The Society") aim to promote research, development, education and policy formation in the area of magnetic resonance in medicine and biology and related topics. The Society is a diverse society of trainees and professionals from across the world, with widely varying availability of resources and differing issues in the practices of medicine and research. We expect all members to promote an inclusive and supportive environment at the annual meeting that encourages sharing of ideas and collaboration, through these and similar behaviors:

- Engaging with people from different regions, backgrounds, levels of training, subspecialty areas of expertise, and career level.
- Being respectful of different viewpoints, experiences, and approaches.
- Accepting and providing feedback and criticism in a constructive, supportive and objective manner.
- Evaluating the merits of others' work objectively and constructively.
- Focusing on the best interests of the society and the field as a whole.

Certain behaviors are contrary to the principles of the society and the goals of the annual meeting. Examples of unacceptable behavior include, but are not limited to:

- Harassment, intimidation, or discrimination in any form.
- Physical or verbal abuse of any attendee, speaker, volunteer, exhibitor, central office staff member, service provider, or other meeting guest. Examples of verbal abuse include, but are not limited to, verbal comments related to gender, sexual orientation, disability, physical appearance, body size, race, religion, national origin, inappropriate use of nudity and/or sexual images in public spaces or in presentations, or threatening or stalking any attendee, speaker, volunteer, exhibitor, central office staff member, service provider, or other meeting guest.
- Disruption of presentations during any scientific, plenary or educational sessions, in the exhibit hall, or at other events organized by ISMRM at the meeting venue, hotels, or other ISMRM-contracted facilities or throughout the virtual meetings.
- Continuing to initiate interaction (including photography or recording) with someone after being asked to stop.
- Publication of private communication without consent.

The Society has zero-tolerance for any form of discrimination, racism or harassment, including but not limited to sexual harassment by participants or our staff at our meetings. If you experience harassment or hear of any incidents of unacceptable behavior, the Society asks that you inform Anne-Marie Kahrovic, Executive Director, at anne-marie@ismrm.org so that we may take the appropriate action.

The Society reserves the right to remove any individuals violating the Code of Conduct from the session or meeting, in response to any incident of unacceptable behavior, and the Society reserves the right to prohibit attendance at any future meeting, virtually or in-person.

SESSION ETIQUETTE

- Please turn off or mute all cell phones.
- Video recording in session rooms is not permitted.
- Children 14 and under are not allowed in the session rooms or on the exhibition floor.
- Please find a seat. Standing is not permitted.
- Please be aware all comments and questions are being streamed to the virtual audience.

CREDIT DESIGNATION

The International Society for MR Radiographers & Technologists (ISMRT), A Section of the ISMRM, is recognized by the American Registry of Radiologic Technologists (ARRT) as a Recognized Continuing Education Evaluation Mechanism (RCEEM).

CPD credit endorsement is through the Australian Society of Medical Imaging and Radiation Therapy (ASMIRT) CPD Accreditation, the Royal Australian and New Zealand College of Radiologists (RANZCR), the New Zealand Institute of Medical Radiation Technology (NZIMRT), and the College of Radiographers (CPD NOW), United Kingdom.

CATEGORY A CREDIT HOURS & CPD

Maximum number of credit eligible by day:

DAY	CATEGORY A CREDIT	CERTIFICATE OF PARTICIPATION HOURS
Friday, 03 May 2024	2.0	2.0
Saturday, 04 May 2024	5.25	5.25
Sunday, 05 May 2024	6.0	6.0
Monday, 06 May 2024	5.50	5.50
Tuesday, 07 May 2024	5.50	5.50
Wednesday, 08 May 2024	1.0	1.0
Thursday, 09 May 2024	1.0	1.0

If you need CE/CPD credit, you must have your attendee name badge scanned upon entering/exiting the session room in order to claim full CE/CPD credit hours.

82 Endorsed CPD Now

The ISMRT Annual Meeting is endorsed by the College of Radiographers (CPD NOW) and may help to support the following outcomes of CPD Now:

[CoR 02] Knowledge base [CoR 03] Work safely [CoR 06] Manage knowledge/information [CoR 07] High-quality healthcare/education services [CoR 09] Inter-professional/-agency working or learning	[CoR 11] Workforce development or staff governance [CoR 12] Service design [CoR 19] Evidence to support practice [CoR 20] Knowledge and skills in audit / research

CLAIMING CREDIT

VERIFYING ATTENDANCE: CE/CPD credit can only be issued to verified attendees. In order to receive credit, you must ***scan QR code in front of the room when entering and exiting the session.***

ONLINE EVALUATIONS

All evaluation forms for ISMRT- and ISMRM-ISMRT-accredited courses for technologists/radiographers will be available to complete online. There are NO paper evaluation forms. We will send out notifications with complete instructions via email when to evaluations are available online.

CE/CPD credit claims are not completed until attendees have finished the meeting evaluations. These evaluations are very important. The ISMRT uses attendee feedback to guide and plan for future meetings. Once evaluations are completed, a certificate will be added to the attendee's records to print or download and stored in their online transcript.

Delivering ultra-fast scans and elevating image quality

Join our lunch symposium on Sunday May 5 12:00-13:00 at Summit 2.
Visit Philips at Hall 405 E (ISMRT) **or at booth E18** (ISMRM) **to learn more**

ISMRT Annual Meeting & Exhibition

PROGRAM-AT-A-GLANCE

DAY 1: FRIDAY, 03 MAY (2.0 CE Credits Available)

Registration Hours: 14:00-19:00

MRI Safety Forum		Hall 406D
15:00	Managing Patients with Unlabeled Passive Implants on MR Systems Operating Below 1.5 T	
15:30	Acoustic Safety	
16:00	Using FMDS to Enhance Screening Procedures & Benefits of Adopting a Ferrous-Free Zone III	
16:30	MR Safety: Focus on International Practice, Education & Staffing in MR	

17:00	Poster Session	Hall 405E
18:00	Poster Reception & Poster Awards Presentation	Hall 405E

19:00	Adjourn

DAY 2: SATURDAY, 04 MAY (5.25 CE Credits Available)

Registration Hours: 06:30-18:00

08:00	Welcome	Hall 406D
08:15	Plenary Lecture	Hall 406D
09:00	Keynote Presentation: AI in Radiology	Hall 406D
09:45	Diamond Sponsor: GE Healthcare	Hall 406D

10:00-10:30	Break

PARALLEL SESSIONS

Neurology Forum		Hall 406D
10:30	Neuroimaging Today & Tomorrow	
11:00	Optimising Neuro Research Protocols	
11:30	Traumatic Brain Injury	
12:00	Diamond Sponsor: Philips Healthcare	

Multilingual Session: Japanese		Hall 405E
10:30	The Passion Behind MRI Phantoms in Japan	
11:00	Subcortical Morphometry & Magnetic Susceptibility Analysis in Psychiatric Disorders	
11:30	Temporal Disease Progression Patterns Revealed by Subtype & Stage Inference (SuStaIn)	

Schedules may have changed since printing.
Please check the ISMRM & ISMRT Annual Meeting & Exhibition 2024 Program-At-A-Glance online for the most current information.

ISMRT Annual Meeting & Exhibition

PROGRAM-AT-A-GLANCE

DAY 2: SATURDAY, 04 MAY (5.25 CE Credits Available)

Registration Hours: 06:30-18:00

12:00	Diamond Sponsor: Philips Healthcare	
12:15-12:30	Grab & Go Lunch	
12:30	ISMRT Business Meeting	Hall 406D
13:15-13:30	Break	

PARALLEL SESSIONS

Body Forum		Hall 406D
13:30	Abdominal Fat Partitioning in Obesity	
14:00	Liver Fat in Asians? Should the Threshold be Reduced Compared to Caucasians?	
14:30	Body Imaging Techniques Including Dixon & AI	

Multilingual Session: Chinese		Hall 405E
13:30	Multi-Nuclear MRI System & Applications	
14:00	New Combined Shim-RF MRI Coils for Clinical Use	

15:00-15:30	Break	

PARALLEL SESSIONS

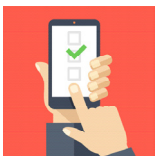
Research Forum		Hall 406D
15:30	Long COVID Research at 7T	
16:00	Non-Proton MR	
16:30	PTSD Research	

15:30	Winning Research Oral Presentations	Hall 405E

Masterclass I: Branching Out: MRI Tech Role Expansion & Working in Other Countries		Hall 405E
16:15	Panel Discussion	

17:15	Announcements & Adjourn	
18:00-20:00	Networking Reception* ** Opt-in during registration required to attend.*	Paulaner Bräuhaus Singapore 9 Raffles Boulevard, #01-01, Millenia Walk, Singapore 039596

Schedules may have changed since printing.
Please check the ISMRM & ISMRT Annual Meeting & Exhibition 2024 Program-At-A-Glance online for the most current information.



ISMRT Annual Meeting & Exhibition

PROGRAM-AT-A-GLANCE

DAY 2: SUNDAY, 05 MAY (6.0 CE Credits Available)

Registration Hours: 07:00-18:00

08:00	Announcements

PARALLEL SESSIONS

08:15	Winning Research Oral Presentations	Hall 406D

Masterclass II: How To Do a Ph.D.		Hall 405E
08:15	Panel Discussion	

PARALLEL SESSIONS

Cardiac Forum		Hall 406D
09:00	Exercise Stress CMR in Athletes Heart & Early Dilated Cardiomyopathy	
09:30	Neglected Cardiovascular Diseases & the Role of Molecular Imaging	
10:00	Role of CMR for HIV-Associated Cardiovascular Disease	

MSK Forum		Hall 405E
9:00	AI in MSK	
09:30	Dixon Imaging for MSK Applications	
10:00	DTI in Carpal Tunnel Syndrome	

10:30-11:00	Break

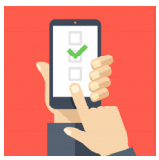
PARALLEL SESSIONS

Pediatrics Forum		Hall 406D
11:00	Pediatric Neuroimaging, Pearls & Pitfalls	
11:30	Pediatric Abdomen & Motion Correction	
12:00	Advanced Motion Correction Research	
12:30	Diamond Sponsor: United Imaging Healthcare	

Cancer Forum		Hall 405E
11:00	Hyperpolarized 13C in Brain Tumor Response	
12:00	Understanding DCE MRI & Optimizing Technique for Radiation Necrosis Versus Tumor Recurrence	
12:30	Radiation Oncology Therapies	

12:45-13:30	Lunch

13:30	Awards & Announcements	Hall 406D
13:45	President's Abstract Winner & JAK Award Presentations	Hall 406D
14:15	President's Lecture	Hall 406D



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Ultra-High Field

uMR Jupiter® 5T* and uMR® 9.4T**:Twin titans of ultra-high-field imaging, revealing the unseen

Ultra-High Gradient Performance

Leading with pioneering gradient performance, uMR NX Frontier** and uMR Sagitta** pave the way

New Epoch of Artificial Intelligent

Evolving with our powerful AI capability, uAIFI Technology

Innovative Community

Innovation and customization together, crafting a new reality in science

** uMR® Jupiter 5T is FDA 510(k) pending, not commercially available in the U.S.*
*** Not submitted to FDA, not commercially available in the U.S.*

Visit our booth at A18
and join our lunch symposium
Thursday, May 9, 2024
12:30 - 1:30 pm
Plenary Hall (Hall 603-604)

Find more about us please visit:
https://www.united-imaging.com

ISMRT Annual Meeting & Exhibition

PROGRAM-AT-A-GLANCE

DAY 2: SUNDAY, 05 MAY (6.0 CE Credits Available)

Registration Hours: 07:00-18:00

15:00-15:30	Break

15:30	Artefacts Quiz with Martin Graves: Physics Is "Phun"	Hall 406D
16:00	Global Showcase *(No CE Available)*	Hall 406D
17:00	ISMRT Meeting Adjourns	
17:30	ISMRM Opening Session: Welcome & Lauterbur Lecture	Plenary Hall (Hall 603-604)
18:30	Adjourn	

ISMRM OPENING RECEPTION
18:30-20:00
Exhibition Hall (Hall 403)

DAY 3: MONDAY, 06 MAY (5.50 CE Credits Available)

For ISMRT attendees registered for three day registration and the ISMRM Annual Meeting

07:00	Inside the Backbone: Exploring Spine & Spinal Cord Trauma with MRI	Summit 1
07:00	Absolute Beginner's Guide to Diffusion Imaging	Nicoll 2
08:15	ISMRM-ISMRT Joint Forum: MR Safety in Trauma Imaging	Summit 1
13:45	Imaging Trauma in the Cardiovascular System	Summit 2

ADDITIONAL CE-ACCREDITED ISMRM SESSIONS, 07-09 MAY

For ISMRT attendees registered for the full ISMRM Annual Meeting

TUESDAY, 07 MAY

07:00	Seeing the Unseen: MRI in Traumatic Musculoskeletal Disease	Summit 1
07:00	Absolute Beginner's Guide to Fat-Water Separation	Nicoll 2
10:30	Plenary: Imaging the Invisible: Mild Traumatic Brain Injury (mTBI)	Plenary Hall (Hall 603-604)
13:30	Psychological & Chronic Brain Trauma	Summit 1

WEDNESDAY, 08 MAY

07:00	Absolute Beginner's Guide to fMRI	Nicoll 2

THURSDAY, 09 MAY

07:00	Absolute Beginner's Guide to Susceptibility Imaging	Nicoll 2

See you next year in ***HAWAI'I!***

ISMRM AND ISMRT
A SECTION OF THE ISMRM

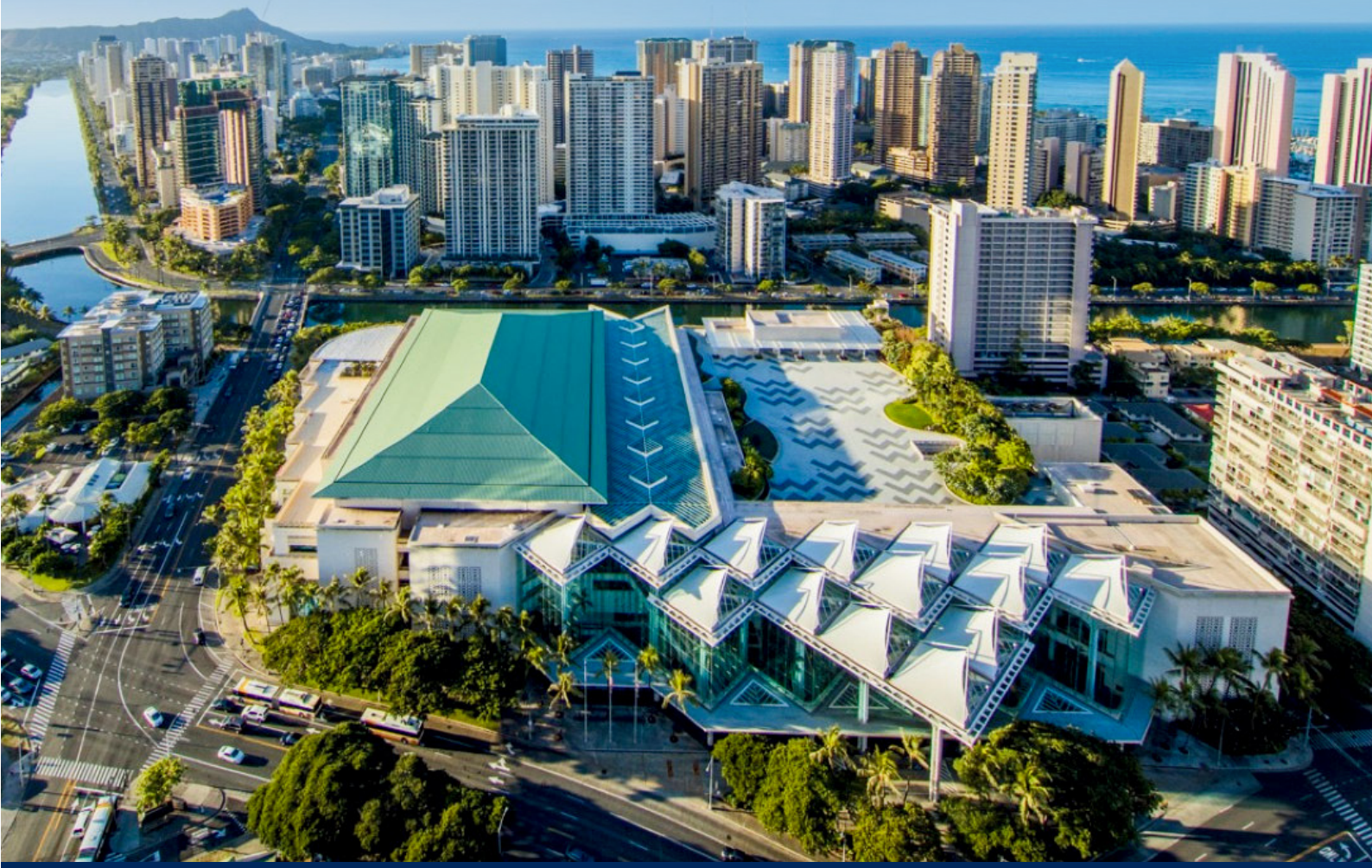
ONE COMMUNITY
IMPROVING LIFE THROUGH MAGNETIC RESONANCE

Aloha!

ISMRM & ISMRT Annual Meeting & Exhibition

10-15 MAY 2025 | HONOLULU, HAWAI'I, USA

ABSTRACT SUBMISSION DEADLINE: 06 NOVEMBER 2024



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INDEX: ABSTRACTS BY POSTER # FOR 2024

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	5123	*Got Safety?? Our Journey Into Creating, Embracing & Growing a Culture of MRI Safety Excellence!*	Jean Ellis-Land
	5124	*Play Therapy and Non-Sedative Strategies for Supplementary MR Examination in Children Aged 3–7 Years*	Yin Ting Chiu
	5125	*Remote Assist in a Single Site MRI Department*	Jack Jaspers
	5126	*Dynamic Contrast-Enhanced MR Lymphangiogram of the Central Lymphatic System in Children: Overcoming the Challenges in a Non-Hybrid Environment*	Mei Yu Poon
	5127	*To Evaluate the Role That MR Spectroscopy & MR Perfusion Play in Characterizing Breast Masses on MR Mammograms With HPE Correlation*	Abhishek Sehrawat
	5128	*How to Deal with MRI Artefacts*	Catherine Muchuki
	5129	*Incident Reports of Bringing Ferromagnetic Objects Into the Magnetic Resonance Imaging Room in the Past 10 Years*	Miho Uemura
	5130	*Usefulness of Compress Sense Technique With 1.5T Magnetic Resonance Hydrography of Inner Ear: Comparison of Image Quality & Acquisition Time*	Cheng Tang
	5131	*Perspective on Planning Pet-MR Protocols for Research Practices and Long-Term Goals*	Shufen Zheng
	5132	*Value of Compressed Sensing in Non-Contrast Enhanced Coronary Magnetic Resonance Angiography in Elderly Patients*	Yue Jiang
	5133	*Native T1 Mapping in Post-COVID Vaccine-Related Myocarditis in a Paediatric Population in 3T: The Singapore Paediatric Hospital's Experience*	Ker Sin Tan
	5134	*Feasibility of Single-Shot Compressed Sensingcine Imaging in Arrhythmia Patients*	Nan Zhang
	5135	*The Value of Deep Learning Reconstruction in Improving the Image Quality of Rectum MRI Images*	Sijie Hu
	5136	*Denoising Approaches by Artificial Intelligence in PET MRI for Clinical Routine Application*	Marco De Summa
	5137	*Measurement & Analysis of Objective Indicators of Ossification Development in MRI of Knee Joint*	Huan Wang
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	5140	*Optimized MRI Workflow in Colon Cancer Scan*	Sha Liu
	5141	*Enhanced Fat Suppression Effect by Integrating STIR DWI with PROSET*	Susumu Takano
	5142	*Operating MRI 7 Tesla Ultra High Field (UHF) in Clinical & Research Practice*	Lien Phan
	5143	*Investigation of Conducting for MRI for Patients with Implantable Medical Devices & Items Included in the Metal Safety Checklist in Japan*	Kousaku Saotome
	5144	*MRI Characterization of a Giant Benign Adipose Tissue Neoplasm of the Foot*	Khomotso Motiang
	5145	*The Significance of fMRI in Surgical Planning for Tumour Resection & Epilepsy Surgery: Optimal Language Paradigms for Language Area Mapping*	Shiami Luchow
RESEARCH POSTERS	5146	*3DMRCP Quantitative Image Quality: A Comparison Between CS-SENSE & SENSE & Its Acquisition Time*	Chee Chian Teo
	5147	*Challenges in Setting Up an Ex-Vivo Brain MRI Protocol*	Liana Sanches
	5148	*Comparative Assessment of Deep Learning (DL) for Femoral Cartilage Thickness in Healthy Controls: A Study on 0.55T vs 3.0T MRI Scanners*	Vahid Ravanfar
	5149	*Left Ventricular Dyssynchrony in Anterior ST-Elevation Myocardial Infarction*	Zheng Sun
	5150	*Impact of Radiographer-Led Change on cMRI Protocol in Porcine Stem Cell Study*	Naeim Sanaei
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	5153	*Dynamic Monitoring of the Treatment Effect of E. coli and PD-1 Inhibitor in Mouse Glioblastoma: Using High-Field Animal Multimodal MRI*	Guochen Li
	5154	*Peek Into an Enduring Language: An Exploration of Speed Reading Through the Lens of Neuroimaging*	Thishuli Walpola
	5155	*Proposal for a New Liver Tumor Classification Method in MRI*	Yasuo Takatsu
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	5158	*Correlation Between Quantitative Software Analysis-Based White Matter Hyperintensity Volume on FLAIR Image & Cognitive Impairment*	Ryuya Okawa
	5159	*Study on 2 Channel Application of Microscopy Coil Using Self-Made Phantom*	Han Byul Chung
	5160	*Impact of Deep Resolve Sharp & Gain AI Software on Patient Throughput & Image Quality at 3.0 Tesla: A Preliminary Study in Knee*	Theodore Kryzer
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	5162	*Unrolled Variational Networks &Super Resolution in Clinical MRI at 3 Tesla: An Evaluation of Noise Characteristics, Contrast & Sharpness*	Ryosuke Nasada
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	5175	*EPI Distortion Correction Using FSL TOPUP for Diffusion Tensor Imaging of the Human Heart*	Gang Yin
	5176	*White Matter Abnormalities in Multiple Sclerosis: A Network-Meta-Analysis of Diffusion Kurtosis Imaging Studies*	Abdulmajeed Alotaibi
	5177	*Choroid Plexus Enlargement is Associated with Neuroinflammation & Reduction of Blood Brain Barrier Permeability in Depression*	Noha Althubaity
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ISMRT ABSTRACT AWARD RECIPIENTS

Proffered Paper Award Recipients

PRESIDENT'S AWARD

PROGRAM #	TITLE	AUTHOR
5193	*Gray Blood Late Gadolinium Enhancement Based on Phase-Sensitive Inversion Recovery for Improved Detection of Myocardial Scar & Cardiac Mass*	Jie Zhao Union Hospital, Tongji Medical College Huazhong University of Science and Technology

JOHN A. KOVALESKI AWARD

PROGRAM #	TITLE	AUTHOR
5194	*The Role of Magnetic Resonance in the Diagnosis of Intracranial Berry Aneurysm: A Case Report*	Karim Abdul Rashid

Poster Award Recipients

CLINICAL FOCUS WINNERS

PROGRAM #	TITLE	AUTHOR
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5185	*3D Radial mDIXON Acquisition for Improved Breast Imaging*	Brian Johnson
5186	*Abbreviated Liver MRI (AMRI) as a Surveillance Method for Hepatocellular Carcinoma in High Risk Patients*	Helena Oliveira

RESEARCH FOCUS AWARDS

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5182	*Real-Time Hyperpolarized 13C-Pyruvate CMRI Imaging Pipeline for Monitoring of Cardiotoxicity*	Fatemeh Khashami
5183	*Fat-Corrected Non-Gaussian Diffusion MRI in a Non-Alcoholic Fatty Liver Disease: Diagnostic Performance For Liver Fibrosis*	Omaima Said

ISMRT ABSTRACT AWARD RECIPIENTS

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5191	*Effect of Noise Exposure During 7 Tesla MRI*	Linda Wennberg
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PROGRAM #	TITLE	AUTHOR
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5188	*Exploring the Therapeutic Benefits of Aromatherapy Compared Traditional Medicine For Patients Undergoing Cardiac Magnetic Resonance Imaging*	Angel Houston
5189	*Scan With Me (SWiM): A Promising Train-the-Trainer Program Tailored For Resource-Limited Settings*	Cristian Montalba

ISMRT HONORS & AWARDS

Fellow of the Society Award

Shawna Farquharson, Ph.D.

George Bouzalis, Sr., (MR)

The Fellow of the Society Award is bestowed on an individual(s) in recognition of significant and substantial contributions to the mission of the ISMRT over the course of at least five (5) years, including participation in the annual meetings, regional meetings, publications, and contributions to the development of the Society.

Crues-Kressel Award

Donald W. McRobbie, Ph.D.

The Crues-Kressel award is given to the candidate who consistently makes outstanding contributions to the education of technologists/radiographers by organizing and promoting education internationally and on a local level.

Honorary Membership Award

Nancy Hill Beluk, R.T.(R)

The Honorary Membership Award is bestowed on an individual in recognition of extraordinary achievement and an exceptional level of service and support for the society and the mission of the ISMRT.

Outstanding Service to a Chapter

Larissa L. Williams, B.Sc.(Med.Img.)(MRI)

Outstanding Service to a Chapter/Division Award is bestowed on an individual in recognition of The Outstanding contributions and extreme level of effort and service to the operation and effectiveness of the Chapter/Division.

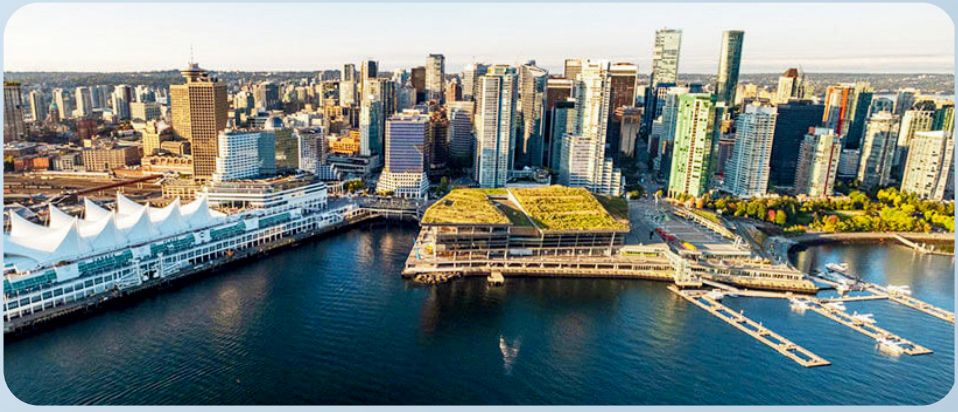
NOTES

ISMRM & ISMRT

FUTURE ANNUAL MEETINGS

Honolulu, Hawai'i, USA — 10-15 MAY **2025**

Cape Town, South Africa — 09-14 MAY **2026**



Vancouver, BC, Canada — 08-13 MAY **2027**