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| **FRIDAY • 15 June 2018** | **Onsite Registration Opens 14:00 - 20:00** |
| ***Pick up your meeting materials early & avoid the weekend lines!*** |
| **SATURDAY • 16 June 2018** | **Registration Hours 06:30-18:00** |
| **Saturday • Morning Sessions** |
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| **Educational Course**[**Deep Learning: Everything You Want to Know**](https://www.ismrm.org/18/program_files/WE08AB.htm) | **Educational Course**[**Physics for Physicists**](https://www.ismrm.org/18/program_files/WE01AB.htm) | **Educational Course**[**Introduction to fMRI: Basics & Applications**](https://www.ismrm.org/18/program_files/WE04AB.htm) | **Educational Course**[**MR Systems Engineering**](https://www.ismrm.org/18/program_files/WE02AB.htm) | **Educational Course**[**Advanced Clinical MR Imaging in MSK**](https://www.ismrm.org/18/program_files/WE05AB.htm) | **Educational Course**[**Body MRI: Realities & Controversies**](https://www.ismrm.org/18/program_files/WE03AB.htm) | **Educational Course**[**Analyzing the Brain: New Paradigms**](https://www.ismrm.org/18/program_files/WE07AB.htm) | **Educational Course**[**Molecular Imaging for Beginners**](https://www.ismrm.org/18/program_files/WE06AB.htm) |
| **08:00-11:30Room N01** | **08:00-11:15Room N02** | **08:00-11:40Room N03** | **08:00-11:30Room N04** | **08:00-11:30Room S01** | **08:00-11:30Room S02** | **08:00-11:30Room S03** | **08:00-11:40Room S04** |

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| ***LUNCH BREAK 12:15 - 13:15*** |
| **Saturday • Afternoon Sessions** |
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| **Educational Course**[**Statistical Analysis for Imaging Studies**](https://www.ismrm.org/18/program_files/WE12AB.htm) | **Educational Course**[**Physics for Physicists**](https://www.ismrm.org/18/program_files/WE01CD.htm) | **Educational Course**[**Advanced fMRI: Connectivity & Cutting Edge**](https://www.ismrm.org/18/program_files/WE09AB.htm) | **Educational Course**[**MR Systems Engineering**](https://www.ismrm.org/18/program_files/WE02CD.htm) | **Educational Course**[**Advanced Clinical MR Imaging in MSK**](https://www.ismrm.org/18/program_files/WE05CD.htm) | **Educational Course**[**Body MRI: Realities & Controversies**](https://www.ismrm.org/18/program_files/WE03CD.htm) | **Educational Course**[**MR for Neuropsychiatric Disorders**](https://www.ismrm.org/18/program_files/WE11AB.htm) | **Educational Course**[**Novel Approaches in Molecular Imaging**](https://www.ismrm.org/18/program_files/WE10AB.htm) |
| **13:15-16:45Room N01** | **13:15-16:30Room N02** | **13:15-16:55Room N03** | **13:15-16:45Room N04** | **13:15-16:45Room S01** | **13:15-16:43Room S02** | **13:15-16:45Room S03** | **13:15-16:43Room S04** |

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| **SUNDAY • 17 June 2018** | **Registration Hours 07:00-18:30** |
| **Sunday • Morning Sessions** |
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| **Educational Course**[**Concurrent MRI: Imaging of Real-Time Events**](https://www.ismrm.org/18/program_files/WE20AB.htm) | **Educational Course**[**Image Acquisition & Reconstruction**](https://www.ismrm.org/18/program_files/WE14AB.htm) | **Educational Course**[**Basics of Perfusion Imaging**](https://www.ismrm.org/18/program_files/WE16AB.htm) | **Educational Course**[**RF Engineering: Coils**](https://www.ismrm.org/18/program_files/WE13AB.htm) | **Educational Course**[**Cardiovascular MRI: Vascular**](https://www.ismrm.org/18/program_files/WE15AB.htm) | **Educational Course**[**Advanced Spectroscopy**](https://www.ismrm.org/18/program_files/WE18AB.htm) | **Educational Course**[**Lost in Translation: Neuroradiologists vs. Physicists**](https://www.ismrm.org/18/program_files/WE19AB.htm) | **Educational Course**[**Introduction to Diffusion**](https://www.ismrm.org/18/program_files/WE17AB.htm) |
| **08:00-11:30Room N01** | **08:00-11:30Room N02** | **08:00-11:28Room N03** | **08:00-11:30Room N04** | **08:00-11:40Room S01** | **08:00-11:40Room S02** | **08:00-12:00Room S03** | **08:00-11:30Room S04** |

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| ***LUNCH BREAK 12:15 - 13:15*** |
| **Sunday • Afternoon Sessions** |
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| **Educational Course**[**Probing Biomolecules: Magnetic Susceptibility & CEST/MT**](https://www.ismrm.org/18/program_files/WE26AB.htm) | **Educational Course**[**Image Acquisition & Reconstruction**](https://www.ismrm.org/18/program_files/WE14CD.htm) | **Educational Course**[**Advanced Topics in Perfusion MRI**](https://www.ismrm.org/18/program_files/WE22AB.htm) | **Educational Course**[**RF Engineering: Coils**](https://www.ismrm.org/18/program_files/WE13CD.htm) | **Educational Course**[**Cardiac MR: From the Basics to New Horizons**](https://www.ismrm.org/18/program_files/WE21AB.htm) | **Educational Course**[**Prostate MRI, MRI in Pregnancy & Genitourinary**](https://www.ismrm.org/18/program_files/WE24AB.htm) | **Educational Course**[**Is MR/PET Better Than MR + PET for the Brain?**](https://www.ismrm.org/18/program_files/WE25AB.htm) | **Educational Course**[**Advanced Microstructural Imaging**](https://www.ismrm.org/18/program_files/WE23AB.htm) |
| **13:15-16:43Room N01** | **13:15-16:55Room N02** | **13:15-16:30Room N03** | **13:15-16:15Room N04** | **13:15-16:55Room S01** | **13:15-16:43Room S02** | **13:15-16:45Room S03** | **13:15-16:55Room S04** |

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| **OPENING SESSIONPlenary Hall (Paris Room), 17:00 - 18:15** |
| **17:00** |  | **Welcome** | **Daniel K. Sodickson, M.D., Ph.D., ISMRM 2017-2018 PresidentEric L. J. Achten, M.D., Ph.D., ESMRMB 2016-2018 President** |
| **17:30** |  | **Mansfield LectureHow Early Life Events Shape Our Brain: An MRI Perspective** | **Petra S. Hüppi, M.D.** |
| **18:15** |  | **Adjournment** |

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|  | **Opening Reception18:30 - 20:00Exhibition Hall** |  |

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| **MONDAY • 18 June 2018** | **Registration Hours 06:30-18:30Exhibition Hall 10:00-17:00Traditional Poster Hall 07:00-20:30** |
| **MONDAY • SUNRISE EDUCATIONAL SESSIONS07:00 - 07:50** |
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| **Educational Session**[**Is ASL Ready to Replace Contrast-Agent Perfusion Methods in the Clinic?**](https://www.ismrm.org/18/program_files/SM04.htm) | **Educational Session**[**Go Faster in Clinical Imaging: Compressed Sensing**](https://www.ismrm.org/18/program_files/SM03.htm) | **Educational Session**[**From Diagnosis to Assessing Therapy Response: Rectal Cancer**](https://www.ismrm.org/18/program_files/SM01.htm) | **Educational Session**[**Advanced Techniques in Cardiovascular MR: More Motion**](https://www.ismrm.org/18/program_files/SM02.htm) | **Educational Session**[**Application of Molecular Imaging in Cancer**](https://www.ismrm.org/18/program_files/SM05.htm) | **Educational Session**[**Emerging Methods in MSK MRI: Muscle**](https://www.ismrm.org/18/program_files/SM06.htm) | **Educational Session**[**Your Brain on Drugs: Alcohol**](https://www.ismrm.org/18/program_files/SM07.htm) | **Educational Session**[**Maker: Electronics**](https://www.ismrm.org/18/program_files/SM08.htm) |
| **Room N03** | **Room N04** | **Room S01** | **Room S02** | **Room S03** | **Room S04** | **Room S05** | **Room S06** |

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| ***BREAK 07:50 - 08:15*** |
| **MONDAY • MORNING SESSIONS08:15 - 10:15** |
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| **Power Pitch Session *(no CME credit)*****CV PowerBeat: Part 1****Power Pitch Theatre AExhibition Hall** | **Power Pitch Session *(no CME credit)*****Trending Topics: Flexible, Material, Portable, Wireless****Power Pitch Theatre BExhibition Hall** | **Traditional Poster Session *(no CME credit)*****Spectroscopy; Musculoskeletal****Exhibition Hall** | **Electronic Poster Session *(no CME credit)*****Neuro;Diffusion****Exhibition Hall** | **Study Group Business MeetingsRoom W07 *(no CME credit)*** | **Study Group Business MeetingsRoom W08 *(no CME credit)*** |
| **Psychiatric MR Spectroscopy & Imaging08:15-09:15** | **Interventional MR08:15-09:15** |
| **X-Nuclei Imaging09:15-10:15** | **MR Safety09:15-10:15** |

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| **ISMRM-SMRT Joint Forum**[**AI in Radiology: Man vs. Machine**](https://www.ismrm.org/18/program_files/M02.htm) | **Combined Educational & Scientific Session**[**Rapid Comprehensive MRI**](https://www.ismrm.org/18/program_files/M03.htm) | **Educational Session**[**Theranostics & Novel Molecular Probes**](https://www.ismrm.org/18/program_files/M04.htm) | **Member-Initiated Symposium *(no CME credit)*****QSM: From Principles to Clinical Application** | **Member-Initiated Symposium *(no CME credit)*****Challenges & Successes in Imaging the Developing Brain** |
| **Room N01** | **Room S01** | **Room S02** | **Room S06** | **Room W05/06** |

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| **Scien­tific Session****Diffusion MRI: From Fiber Orientation to Connectivity** | **Scien­tific Session****fMRI: Physiology & Neurovascular Coupling** | **Scien­tific Session****Novel Pulse Sequences** | **Scien­tific Session****Young Investigator Awards** | **Scien­tific Session****Hepatobiliary: Neoplasm** | **Scien­tific Session****Multiple Sclerosis: Lesions Everywhere** | **Scien­tific Session****Breast** |
| **Room N02** | **Room N03** | **Room N04** | **Room S03** | **Room S04** | **Room S06** | **Room W03/04** |

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| ***BREAK 10:15 - 10:30*** |
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| **PLENARY SESSIONPlenary Hall (Paris Room), 10:30 - 12:15** |
| **10:30** |  | **ISMRM & ESMRMB Awards** |  |
| [**Cardiovascular Imaging: From Structure to Function**](https://www.ismrm.org/18/program_files/P01.htm)**Organizers: James Carr, Jennifer Keegan, Sebastian Kozerke, Tim Leiner, Reza Nezafat, Winfried Willinek, Bernd Wintersperger** |
| **11:15** |  | **Tissue Characterization in the Human Heart** | **Raymond Y.K. Kwong, M.D.** |
| **11:35** |  | **Current & Emerging Techniques for Evaluating Cardiac Function** | **Sergio Uribe Arancibia, Ph.D.** |
| **11:55** |  | **Putting It All Together: What Is the Clinical Impact?** | **Marianna Fontana, Ph.D.** |
| **12:15** |  | **Adjournment** |

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| ***LUNCH BREAK 12:15 - 13:45*** |
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|  | **Gold Corporate SymposiumPhilips Healthcare*(no CME credit)*Plenary Hall (Paris Room)12:30 - 13:30** |  |

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| **MONDAY • AFTERNOON SESSIONS13:45 - 15:45** |
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| **Power Pitch Session *(no CME credit)*****Molecular & Metabolic Imaging****Power Pitch Theatre AExhibition Hall** | **Power Pitch Session *(no CME credit)*****MRI in Cancer Therapy and Diagnostics****Power Pitch Theatre BExhibition Hall** | **Traditional Poster Session *(no CME credit)*****Interventional;Safety****Exhibition Hall** | **Electronic Poster Sessions *(no CME credit)*****Young Investigator Awards;Cardiovascular;Acquisition, Reconstruction & Analysis****Exhibition Hall** | **Study Group Business MeetingsRoom W07 *(no CME credit)*** | **Study Group Business MeetingsRoom W08 *(no CME credit)*** |
| **High Field Systems & Applications13:45-14:45** | **Hyperpolarization Methods & Equipment13:45-14:45** |
|  | **Hyperpolarized Media14:45-15:45** |

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| **Combined Educational & Scientific Session**[**Applications of Microstructural Imaging in Disease**](https://www.ismrm.org/18/program_files/M06.htm) | **Educational Session**[**Machine Learning in Cardiovascular Disease**](https://www.ismrm.org/18/program_files/M05.htm) | **Educational Session**[**MRI Value in Body Imaging: Role for Abbreviated Protocols?**](https://www.ismrm.org/18/program_files/M07.htm) | **Member-Initiated Symposium *(no CME credit)*****Non-Invasive Axon Diameter Mapping: So Fascinating, So Challenging & So Many Questions** | **Member-Initiated Symposium *(no CME credit)*****Zooming into the "Little Brain": Advances in Cerebellar Imaging** |
| **Room N01** | **Room N02** | **Room S01** | **Room S05** | **Room W05/06** |

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| **Scien­tific Session****RF Arrays & Systems** | **Scien­tific Session****fMRI: Spatiotemporal Dynamics** | **Scien­tific Session****MRS/MRSI Reconstruction & Quantification** | **Scien­tific Session****Measuring & Correcting Imperfections** | **Scien­tific Session****Quantitative Neurovascular Imaging Methods** | **Scien­tific Session****Magnetic Susceptibility Imaging** | **Scien­tific Session****Loose Cartilage** |
| **Room N03** | **Room N04** | **Room S02** | **Room S03** | **Room S04** | **Room S06** | **Room W03/04** |

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| ***BREAK 15:45 - 16:15*** |
| **MONDAY • EVENING SESSIONS16:15 - 18:15** |
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| **Power Pitch Session *(no CME credit)*****Pulse Sequence Highlights****Power Pitch Theatre AExhibition Hall** | **Power Pitch Session *(no CME credit)*****Psychoradiology: A Potpourri****Power Pitch Theatre BExhibition Hall** | **Traditional Poster Session *(no CME credit)*****Cancer****Exhibition Hall** | **Electronic Poster Sessions *(no CME credit)*****Neuro;Molecular Imaging****Exhibition Hall** | **Study Group Business MeetingsRoom W07 *(no CME credit)*** | **Study Group Business MeetingsRoom W08 *(no CME credit)*** |
| **Cardiac MR16:15-17:15** | **MR in Drug Research16:15-17:15** |
| **MR Flow & Motion Quantitation17:15-18:15** | **Placenta & Fetus17:15-18:15** |

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| **Member-Initiated Symposium *(no CME credit)*****Safety & Efficacy of Contrast Agents: State of the Art, Future Directions & Alternative Approaches** | **Member-Initiated Symposium *(no CME credit)*****Neurophysiological Basis of Resting-State Functional Connectivity: Evidence from Rodents, Monkeys to Humans** | **Educational Session**[**MR Physics & Techniques for Clinicians**](https://www.ismrm.org/18/program_files/M01.htm) | **Combined Educational & Scientific Session**[**Liver Imaging: What Can We Really Quantify?**](https://www.ismrm.org/18/program_files/M08.htm) | **Educational Session**[**Quantitative MRI in MSK: From Acquisition to Application**](https://www.ismrm.org/18/program_files/M09.htm) |
| **Room N01** | **Room N02** | **Room S01** | **Room S02** | **Room W05/06** |

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| **Scien­tific Session****Frontiers of Image Reconstruction** | **Scien­tific Session****Microstructure: A Stroll in the q-Space** | **Scien­tific Session****Parameter Quantification** | **Scien­tific Session****Hyperpolarisation: Probe Development & Clinical Application** | **Scien­tific Session****Myocardial Tissue Characterisation** | **Scien­tific Session****MR Safety: PNS & RF Heating** | **Scien­tific Session****Arterial Spin Labeling** |
| **Room N03** | **Room N04** | **Room S03** | **Room S04** | **Room  S05** | **Room S06** | **Room W03/04** |

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|  | **ESMRMB Business Meeting*(no CME credit)*18:30-19:30Room W03/W04** |  | **Special SessionManuscript Reviewing for ISMRM's Scientific Journals*(no CME credit)*18:30-19:30Room W05/W06** |  |

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| **TUESDAY • 19 June 2018** | **Registration Hours 06:30-18:00Exhibition Hall 10:00-17:00Traditional Poster Hall 07:00-20:30** |
| **TUESDAY • SUNRISE EDUCATIONAL SESSIONS07:00 - 07:50** |
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| **Educational Session**[**Tractography in the Operating Theatre**](https://www.ismrm.org/18/program_files/STu04.htm) | **Educational Session**[**Go Faster in Clinical Imaging: Multiband Imaging**](https://www.ismrm.org/18/program_files/STu03.htm) | **Educational Session**[**From Diagnosis to Assessing Therapy Response: Gynecological Malignancy**](https://www.ismrm.org/18/program_files/STu01.htm) | **Educational Session**[**Advanced Techniques in Cardiovascular MR: Imaging Cardiac Microstructure & Physiology**](https://www.ismrm.org/18/program_files/STu02.htm) | **Educational Session**[**Application of Molecular Imaging in Cardiac Vascular Diseases**](https://www.ismrm.org/18/program_files/STu05.htm) | **Educational Session**[**Emerging Methods in MSK MRI: Cartilage**](https://www.ismrm.org/18/program_files/STu06.htm) | **Educational Session**[**Your Brain on Drugs: Nicotine**](https://www.ismrm.org/18/program_files/STu07.htm) | **Educational Session**[**Maker: B0**](https://www.ismrm.org/18/program_files/STu08.htm) |
| **Room N03** | **Room N04** | **Room S01** | **Room S02** | **Room S03** | **Room S04** | **Room S05** | **Room S06** |

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| ***BREAK 07:50 - 08:15*** |
| **TUESDAY • MORNING SESSIONS08:15 - 10:15** |
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| **Power Pitch Session *(no CME credit)*****Neuro Acquisition: Seeing the CNS Better****Power Pitch Theatre AExhibition Hall** | **Power Pitch Session *(no CME credit)*****Musculoskeletal Madness****Power Pitch Theatre BExhibition Hall** | **Traditional Poster Session *(no CME credit)*****Diffusion****Exhibition Hall** | **Electronic Poster Sessions *(no CME credit)*****Cancer;MR Spectroscopy****Exhibition Hall** | **Study Group Business MeetingRoom W07 *(no CME credit)*** | **Study Group Business MeetingRoom W08 *(no CME credit)*** |
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| **MR Elastography09:15-10:15** | **Diffusion09:15-10:15** |

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| **Educational Session**[**Imaging Metabolism in the Developing Brain**](https://www.ismrm.org/18/program_files/Tu02.htm) | **Combined Educational & Scientific Session**[**Prostate Cancer: Current Gaps & Future Directions**](https://www.ismrm.org/18/program_files/Tu03.htm) | **Combined Educational & Scientific Session**[**Studying the Value of MRI**](https://www.ismrm.org/18/program_files/W08.htm) | **Member-Initiated Symposium *(no CME credit)*****Peripheral Nerve Stimulation: Have We Hit the Limits?** | **Member-Initiated Symposium *(no CME credit)*****How to Make Perfusion Imaging Become a Quantitative Imaging Biomarker** |
| **Room S01** | **Room S02** | **Room S03** | **Room S06** | **Room Room W03/04** |

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| **Scien­tific Session****Cardiac Function & Myocardial Perfusion** | **Scien­tific Session****Application of Neurovascular Methods** | **Scien­tific Session****Signal Encoding & Decoding** | **Scien­tific Session****Resolving Layers & Columnar Activity** | **Scien­tific Session****Novel Contrast & Targeted Molecular Imaging** | **Scien­tific Session****Novel CEST Methods in Cancer & Beyond** | **Scien­tific Session****Parkinson's Disease** |
| **Room N01** | **Room N02** | **Room N03** | **Room N04** | **Room S04** | **Room S05** | **Room W05/06** |

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| ***BREAK 10:15 - 10:45*** |
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| **PLENARY SESSIONPlenary Hall (Paris Room), 10:45 - 12:15** |
| **10:45** |  | **NIBIB New Horizons LectureWhen Fast Is Not Fast Enough: The Challenging Path Towards Pediatric MRI Without Anesthesia** | **Michael Lustig, Ph.D.** |
| [**Challenging the Assumptions of MRI**](https://www.ismrm.org/18/program_files/P02.htm)**Organizers: Fernando Boada, Tim Leiner, Chunlei Liu, Stefan Maier, Dan Sodickson** |
| **11:15** |  | **Image Interpretation** | **Bram van Ginneken, Ph.D.** |
| **11:30** |  | **Image Acquisition & Reconstruction** | **Mariya Doneva, Ph.D.** |
| **11:45** |  | **Acquisition Systems** | **Maxim Zaitsev, Ph.D.** |
| **12:00** |  | **Data Platforms & Architecture** | **Kai Tobias Block, Dr. Rer. Nat., Ph.D.** |
| **12:15** |  | **Adjournment** |

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| ***LUNCH BREAK 12:15 - 13:45*** |
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|  | **Gold Corporate SymposiumSiemens Healthineers*(no CME credit)*Plenary Hall (Paris Room)12:30 - 13:30** |  |

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| **TUESDAY • AFTERNOON SESSIONS13:45 - 15:45** |
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| **Power Pitch Session *(no CME credit)*****Machine Learning Unleashed****Power Pitch Theatre AExhibition Hall** | **Power Pitch Session *(no CME credit)*****Hot Topics in MRS****Power Pitch Theatre BExhibition Hall** | **Traditional Poster Session *(no CME credit)*****Engineering****Exhibition Hall** | **Electronic Poster Sessions *(no CME credit)*****Intervention;Safety;Acquisition, Reconstruction & Analysis****Exhibition Hall** | **Study Group Business MeetingsRoom W07 *(no CME credit)*** | **Study Group Business MeetingsRoom W08 *(no CME credit)*** |
| **MR of Cancer13:45-14:45** |  |
| **White Matter14:45-15:45** | **Electro-Magnetic Tissue Properties (SWI)14:45-15:45** |

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| **Educational Session**[**Radiomics in MRI: Doing It Right**](https://www.ismrm.org/18/program_files/Tu04.htm) | **Educational Session**[**Primer for Ultrahigh Field MRI**](https://www.ismrm.org/18/program_files/Tu06.htm) | **Member-Initiated Symposium *(no CME credit)*****From Neurons to Networks: Opportunities & Challenges for Laminar fMRI** | **Combined Educational & Scientific Session**[**Osteoarthritis: The (W)holy Grail**](https://www.ismrm.org/18/program_files/Tu05.htm) | **Member-Initiated Symposium *(no CME credit)*****19F MRI Emerges from the Background** |
| **Room N01** | **Room N02** | **Room N04** | **Room S01** | **Room W05/06** |

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| **Scien­tific Session****Diffusion MRI: Signal Reconstruction & Representation** | **Scien­tific Session****Motion Correction: Beyond Gating** | **Scien­tific Session****Atherosclerosis & Vessel-Wall Imaging** | **Scien­tific Session****Perfusion & Permeability** | **Scien­tific Session****Traumatic Brain Injury** | **Scien­tific Session****Hepatobiliary: Diffuse Liver Disease: Part 1** | **Scien­tific Session****Normal Pediatric Brain Development** |
| **Room N03** | **Room S02** | **Room S03** | **Room S04** | **Room S05** | **Room S06** | **Room W03/04** |

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| ***BREAK 15:45 - 16:15*** |
| **TUESDAY • EVENING SESSIONS16:15 - 18:15** |
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| **Power Pitch Session *(no CME credit)*****Conductivity, Relocation, Water-Fat & Beyond****Power Pitch Theatre AExhibition Hall** | **Power Pitch Session *(no CME credit)*****Advances in Contrast: MT, CEST & Perfusion****Power Pitch Theatre BExhibition Hall** | **Traditional Poster Session *(no CME credit)*****Neuro****Exhibition Hall** | **Electronic Poster Sessions *(no CME credit)*****Engineering;Body****Exhibition Hall** | **Study Group Business MeetingsRoom W07 *(no CME credit)*** |
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| **Quantitative MRI17:15-18:15** |

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| **Member-Initiated Symposium *(no CME credit)*****Advances in Quantitative Diffusion MRI Techniques & Their Potential Clinical Application to Both Healthy & Disease-Affected Populations** | **Educational Session**[**MR Physics & Techniques for Clinicians**](https://www.ismrm.org/18/program_files/Tu01.htm) | **Combined Educational & Scientific Session**[**Cardiovascular Imaging Biomarkers**](https://www.ismrm.org/18/program_files/Tu07.htm) | **Educational Session**[**Hybrid MR Imaging in MSK**](https://www.ismrm.org/18/program_files/Tu08.htm) | **Member-Initiated Symposium *(no CME credit)*****The Future of Cardiac MRI: Rapidly Addressing the Unmet Clinical Needs** |
| **Room N04** | **Room S01** | **Room S02** | **Room S03** | **Room S05** |

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| **Scien­tific Session****Deep Learning for Image Reconstruction** | **Scien­tific Session****Neuro at Ultra-High Field** | **Scien­tific Session****fMRI: Neurodevelopment & Clinical Applications** | **Scien­tific Session****MR-Guided Intervention (Not Thermo nor HIFU)** | **Scien­tific Session****Hepatobiliary: Diffuse Liver Disease: Part 2** | **Scien­tific Session****Human MRS/MRI at Ultra-High Field** | **Scien­tific Session****Tumour Microenvironment** |
| **Room N01** | **Room N02** | **Room N03** | **Room S04** | **Room S06** | **Room W03/04** | **Room W05/06** |

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|  | **Bronze Corporate Evening SymposiumBracco*(no CME credit)*Room S02** |  | **Bronze Corporate Evening SymposiumHitachi Medical Systems*(no CME credit)*Room W05/06** |  |

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| **WEDNESDAY • 20 June 2018** | **Registration Hours 06:30-18:00Exhibition Hall 10:00-17:00Traditional Poster Hall 07:00-20:30** |
| **WEDNESDAY • SUNRISE EDUCATIONAL SESSIONS07:00 - 07:50** |
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| **Educational Session**[**Diffusion Tensor Imaging Outside the Brain**](https://www.ismrm.org/18/program_files/SW04.htm) | **Educational Session**[**Go Faster in Clinical Imaging: Fingerprinting**](https://www.ismrm.org/18/program_files/SW03.htm) | **Educational Session**[**From Diagnosis to Assessing Therapy Response: Breast Cancer**](https://www.ismrm.org/18/program_files/SW01.htm) | **Educational Session**[**Advanced Techniques in Cardiovascular MR: Tissue Perfusion**](https://www.ismrm.org/18/program_files/SW02.htm) | **Educational Session**[**Application of Molecular Imaging in Neurodegenerative Diseases**](https://www.ismrm.org/18/program_files/SW05.htm) | **Educational Session**[**Emerging Methods in MSK MRI: Bone**](https://www.ismrm.org/18/program_files/SW06.htm) | **Educational Session**[**Your Brain on Drugs: Cannabis**](https://www.ismrm.org/18/program_files/SW07.htm) | **Educational Session**[**Maker: Microcontroller**](https://www.ismrm.org/18/program_files/SW08.htm) |
| **Room N03** | **Room N04** | **Room S01** | **Room S02** | **Room S03** | **Room S04** | **Room S05** | **Room S06** |

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| ***BREAK 07:50 - 08:15*** |
| **WEDNESDAY • MORNING SESSIONS08:15 - 10:15** |
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| **Power Pitch Session *(no CME credit)*****Interventional & RF: Safety & Solutions****Power Pitch Theatre AExhibition Hall** | **Power Pitch Session *(no CME credit)*****Motion & Image Analysis Highlights****Power Pitch Theatre BExhibition Hall** | **Traditional Poster Session *(no CME credit)*****Contrast Mechanisms****Exhibition Hall** | **Electronic Poster Sessions *(no CME credit)*****fMRI;Body****Exhibition Hall** | **Study Group Business MeetingsRoom W07 *(no CME credit)*** |
| **PET/MR08:15-09:15** |
| **Reproducible Research09:15-10:15** |

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| **Member-Initiated Symposium *(no CME credit)*****Magnetic Particle Imaging & Its Synergies with MRI Technology & Applications** | **Member-Initiated Symposium *(no CME credit)*****Hot Topics in Breast MRI** | **Combined Educational & Scientific Session**[**Spinal Cord MR**](https://www.ismrm.org/18/program_files/W03.htm) | **Educational Session**[**Multinuclear Imaging & Spectroscopy: Methods & Applications**](https://www.ismrm.org/18/program_files/W04.htm) | **Educational Session**[**Peripheral Nerve Imaging: Ryder Cup**](https://www.ismrm.org/18/program_files/W02.htm) |
| **Room S01** | **Room W05/06** | **Room S02** | **Room S03** | **Room W03/04** |

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| **Scien­tific Session****Advances in MR Fingerprinting** | **Scien­tific Session****Velocity & Flow** | **Scien­tific Session****Segmentation & Parcellation in the Brain** | **Scien­tific Session****Cutting Edge Acquisition Methods in fMRI** | **Scien­tific Session****Prostate** | **Scien­tific Session****MRI in Alzheimer's Disease** | **Scien­tific Session****Diffusion: Validation** |
| **Room N01** | **Room N02** | **Room N03** | **Room N04** | **Room S04** | **Room S05** | **Room S06** |

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| ***BREAK 10:15 - 10:45*** |
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| **PLENARY SESSIONPlenary Hall (Paris Room), 10:45 - 12:15** |
| **10:45** |  | **Presidential Lecture** |  |
| [**Point-of-Care Diagnostics: MR's Friend or Foe?**](https://www.ismrm.org/18/program_files/P03.htm)**Organizers: Garry Gold, Catherine Hines, Kelvin Lim, Arvind Pathak** |
| **11:15** |  | **Competition: Point-of-Care (POC) Diagnostics** | **Nimmi Ramanujam, Ph.D.** |
| **11:35** |  | **Cost: Novel MR- or NMR-Based POC Technology** | **Steven J. Schiff, M.D., Ph.D.** |
| **11:55** |  | **Complement: Implementing MR into the POC Pipeline** | **Edwin J. van Beek, M.D., Ph.D., M.Ed., FRCR** |
| **12:15** |  | **Adjournment** |

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| ***LUNCH BREAK 12:15 - 13:45*** |
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|  | **Gold Corporate SymposiumGE Healthcare*(no CME credit)*Plenary Hall (Paris Room)12:30 - 13:30** |  |

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| **WEDNESDAY • AFTERNOON SESSIONS13:45 - 15:45** |
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| **Power Pitch Session *(no CME credit)*****Applications of Diffusion MRI****Power Pitch Theatre AExhibition Hall** | **Power Pitch Session *(no CME credit)*****CV PowerBeat: Part 2****Power Pitch Theatre BExhibition Hall** | **Traditional Poster Session *(no CME credit)*****fMRI****Exhibition Hall** | **Electronic Poster Sessions *(no CME credit)*****Neuro;Cardiovascular****Exhibition Hall** | **Study Group Business MeetingsRoom W07 *(no CME credit)*** |
| **Detection & Correction of Motion in MRI & MRS13:45-14:45** |
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| **Combined Educational & Scientific Session**[**Machine Learning for Magnetic Resonance in Medicine**](https://www.ismrm.org/18/program_files/W05.htm) | **Educational Session**[**Junior Fellow Symposium: Finding Value in MRI**](https://www.ismrm.org/18/program_files/W07.htm)***(no CME credit)*** | **Member-Initiated Symposium *(no CME credit)*****Portable MRI Systems for Point-of-Care & Mobile Applications** | **Combined Educational & Scientific Session**[**From Molecular Biomarker to Clinical Quantification**](https://www.ismrm.org/18/program_files/W06.htm) | **Member-Initiated Symposium *(no CME credit)*****Breaking the Spatiotemporal Limits of MRSI** |
| **Room N01** | **Room N02** | **Room N04** | **Room S01** | **Room W05/06** |

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| **Scien­tific Session****Techniques for Myelin & Microstructure Imaging** | **Scien­tific Session****Quantitative Neuroimaging** | **Scien­tific Session****Imaging Response to Therapy** | **Scien­tific Session****It Takes a Muscle** | **Scien­tific Session****Pancreas/GI** | **Scien­tific Session****Field Management & Shimming** | **Scien­tific Session****Pediatric Neuropathology & Neurodevelopmental Disorders** |
| **Room N03** | **Room S02** | **Room S03** | **Room S04** | **Room S05** | **Room S06** | **Room W03/04** |

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| ***BREAK 15:45 - 16:15*** |
| **WEDNESDAY • EVENING SESSIONS16:15 - 18:15** |
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| **Power Pitch Session *(no CME credit)*****Techniques & Applications of Microcirculation Imaging****Power Pitch Theatre AExhibition Hall** | **Power Pitch Session *(no CME credit)*****fMRI: Signal Characteristics & Analysis****Power Pitch Theatre BExhibition Hall** | **Traditional Poster Session *(no CME credit)*****Body****Exhibition Hall** | **Electronic Poster Sessions *(no CME credit)*****Musculoskeletal;Contrast Mechanisms****Exhibition Hall** | **Study Group Business MeetingsRoom W07 *(no CME credit)*** |
| **Molecular & Cellular Imaging16:15-17:15** |
| **Perfusion17:15-18:15** |

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| **Member-Initiated Symposium *(no CME credit)*****RESONATE: Discussion on Scientific & Social Biases within ISMRM** | **Member-Initiated Symposium *(no CME credit)*****Connectomes Related to Psychiatric Diseases** | **Educational Session**[**MR Physics & Techniques for Clinicians**](https://www.ismrm.org/18/program_files/W01.htm) |
| **Room N03** | **Room N04** | **Room S01** |

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| **Scien­tific Session****Microstructure: Moving Through Time** | **Scien­tific Session****Machine Learning in Neuroimaging** | **Scien­tific Session****Non-Proton MRS/MRI** | **Scien­tific Session****Contrast-Enhanced & Non-Contrast-Enhanced MR Angiography** | **Scien­tific Session****Myelin Imaging: Applications** | **Scien­tific Session****Off the Cartesian Grid** | **Scien­tific Session****Novel MR & MR-Compatible Technology** | **Scien­tific Session****Brain Tumours: Pre-Treatment** | **Scien­tific Session****Imaging More Than the Boltzmann Distribution: Hyperpolarized Gas Imaging** |
| **Room N01** | **Room N02** | **Room S02** | **Room S03** | **Room S04** | **Room S05** | **Room S06** | **Room W03/04** | **Room W05/06** |

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|  | **ISMRM Business Meeting*(no CME credit)*18:30-19:30Room W05/06** |  |
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|  | **Women's Forum*(no CME credit)*19:30-21:30Room N03** |  |

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| **THURSDAY • 21 June 2018** | **Registration Hours 06:30-18:00Exhibition Hall 10:00-16:30Traditional Poster Hall 07:00-16:30   - Poster Dismantle 16:30-18:00 -** |
| **THURSDAY • SUNRISE EDUCATIONAL SESSIONS07:00 - 07:50** |
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| **Educational Session**[**Diffusion at Ultra-High Field**](https://www.ismrm.org/18/program_files/STh04.htm) | **Educational Session**[**Go Faster in Clinical Imaging: Synthetic MR**](https://www.ismrm.org/18/program_files/STh03.htm) | **Educational Session**[**Assessing Response in Liver Tumours: Primary & Metastatic**](https://www.ismrm.org/18/program_files/STh01.htm) | **Educational Session**[**Advanced Techniques in Cardiovascular MR: Advanced Applications of Flow**](https://www.ismrm.org/18/program_files/STh02.htm) | **Educational Session**[**Application of Molecular Imaging in Body**](https://www.ismrm.org/18/program_files/STh05.htm) | **Educational Session**[**Emerging Methods in MSK MRI: Tendons, Ligaments, Menisci**](https://www.ismrm.org/18/program_files/STh06.htm) | **Educational Session**[**Your Brain on Drugs: Other**](https://www.ismrm.org/18/program_files/STh07.htm) | **Educational Session**[**Maker: Software**](https://www.ismrm.org/18/program_files/STh08.htm) |
| **Room N03** | **Room N04** | **Room S01** | **Room S02** | **Room S03** | **Room S04** | **Room S05** | **Room S06** |

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| ***BREAK 07:50 - 08:00*** |
| **THURSDAY • MORNING SESSIONS08:00 - 10:00** |
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| **Power Pitch Session *(no CME credit)*****Neurodegeneration****Power Pitch Theatre AExhibition Hall** | **Power Pitch Session *(no CME credit)*****Body: Power Potpourri****Power Pitch Theatre BExhibition Hall** | **Traditional Poster Session *(no CME credit)*****Acquisition, Reconstruction & Analysis;MR Value****Exhibition Hall** | **Electronic Poster Sessions *(no CME credit)*****Neuro;Diffusion****Exhibition Hall** | **Study Group Business MeetingsRoom W07 *(no CME credit)*** |
| **MR Engineering08:00-09:00** |
| **Pediatric MR09:00-10:00** |

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| **Educational Session**[**What You Need to Know About Neuro­inflammation & the Glymphatic System**](https://www.ismrm.org/18/program_files/Th02.htm) | **Combined Educational & Scientific Session**[**Does Motion Still Matter? New Methods for Handling Motion**](https://www.ismrm.org/18/program_files/Th03.htm) | **Member-Initiated Symposium *(no CME credit)*****Recent Development of Preclinical PET/MR: From Hardware to Applications** | **Member-Initiated Symposium *(no CME credit)*****MRI in Radiation Therapy** |
| **Room N01** | **Room S01** | **Room S04** | **Room W03/04** |

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| **Scien­tific Session****Cutting-Edge Multimodal fMRI Techniques** | **Scien­tific Session****Approaches to Quantitative Mapping** | **Scien­tific Session****Diffusion MRI: Applications** | **Scien­tific Session****MSK: Harder, Better, Faster, Stronger** | **Scien­tific Session****CMR Innovations** | **Scien­tific Session****MRS/MRSI Acquisition** | **Scien­tific Session****Magnetic Resonance Elastography: Applications & Methods** | **Scien­tific Session****Thoracic MRI: Lung & Mediastinum** |
| **Room N02** | **Room N03** | **Room N04** | **Room S02** | **Room S03** | **Room S05** | **Room S06** | **Room W05/06** |

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| ***BREAK 10:00 - 10:15*** |
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| **PLENARY SESSIONPlenary Hall (Paris Room), 10:15 - 11:45** |
| [**High-End MRI: Added Value vs. Added Science**](https://www.ismrm.org/18/program_files/P04.htm)**Organizers: Jenny Bencardino, Anke Henning, Elena Kaye, Alex MacKay** |
| **10:15** | **High-End MRI: Added Value** | **Siegfried Trattnig, M.D.** |
| **10:35** | **High-End MRI: Added Science** | **Peter Jezzard, Ph.D.** |
| **10:55** | **A Case Study: Interventional MRI** | **Clare Tempany-Afdhal, M.D.** |
| **11:15** | **Special Session: Scientific Highlights of the Joint Annual Meeting ISMRM-ESMRMB** |  |
| **11:45** | **Adjournment** |

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| ***LUNCH BREAK 11:45 - 13:15*** |
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|  | **Silver Corporate SymposiumCanon Medical Systems Corporation*(no CME credit)*Plenary Hall (Paris Room)12:00 - 13:00** |  |

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| **THURSDAY • AFTERNOON SESSIONS13:15 - 15:15** |
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| **Power Pitch Session *(no CME credit)*****Tissue Microstructure****Power Pitch Theatre AExhibition Hall** | **Power Pitch Session *(no CME credit)*****Preclinical fMRI: Neuroscience & Emerging Techniques****Power Pitch Theatre BExhibition Hall** | **Traditional Poster Session *(no CME credit)*****Molecular & Cardiovascular****Exhibition Hall** | **Electronic Poster Sessions *(no CME credit)*****fMRI;Contrast Mechanisms****Exhibition Hall** | **Study Group Business MeetingsRoom W07 *(no CME credit)*** |
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| **Musculoskeletal MR14:00-15:00** |

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| **Combined Educational & Scientific Session**[**Brain Connectivity & Dynamics**](https://www.ismrm.org/18/program_files/Th05.htm) | **Educational Session**[**Quantitative Imaging: How to Get Started**](https://www.ismrm.org/18/program_files/Th06.htm) | **Member-Initiated Symposium *(no CME credit)*****From Ultrahigh- to Extreme-Field MR: Where Physics, Engineering, Physiology & Medicine Meet** | **Educational Session**[**Lung Imaging**](https://www.ismrm.org/18/program_files/Th04.htm) | **Member-Initiated Symposium *(no CME credit)*****Moving from Preclinical to Clinical Applications of Hyperpolarized MRI: Successes & Challenges** |
| **Room N01** | **Room N02** | **Room N04** | **Room S01** | **Room W03/04** |

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| **Scien­tific Session****RF Pulses & Sequences** | **Scien­tific Session****Neurofluids & Glymphatic System** | **Scien­tific Session****MRS Applications** | **Scien­tific Session****Predictive & Prognostic Cancer Imaging** | **Scien­tific Session****Motion Correction: Clear Your Head** | **Scien­tific Session****Body Imaging: Genitourinary Imaging (Non-Prostate)** | **Scien­tific Session****Thermometry & MR-HIFU** |
| **Room N03** | **Room S02** | **Room S03** | **Room S04** | **Room S05** | **Room S06** | **Room W05/06** |

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| ***BREAK 15:15 - 15:30*** |
| **THURSDAY • EVENING SESSIONS15:30 - 17:30** |
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| **Traditional Poster Dismantle Period16:30 - 18:00*Take down your posters now before they are discarded!*** | **Study Group Business MeetingRoom W07 *(no CME credit)*** |
| **Current Issues in Brain Function15:30-16:30** |
| **MR Spectroscopy16:30-17:30** |

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| **Combined Educational & Scientific Session**[**Faster Imaging, Faster Evaluation**](https://www.ismrm.org/18/program_files/Th07.htm) | **Educational Session**[**MR Physics & Techniques for Clinicians**](https://www.ismrm.org/18/program_files/Th01.htm) | **Educational Session**[**The MRI Artifacts Game Show**](https://www.ismrm.org/18/program_files/Th08.htm) | **Member-Initiated Symposium *(no CME credit)*****Pre-Clinical Multi-Modality Imaging: Nuts & Bolts** | **Member-Initiated Symposium *(no CME credit)*****Big Data, Annotations & Machine Learning for Neuro MR: A No-Brainer** |
| **Room N01** | **Room S01** | **Room S02** | **Room W03/04** | **N04** |

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| **Scien­tific Session****Diffusion MRI: Acquisition & Artifact Correction** | **Scien­tific Session****Brain Connectivity** | **Scien­tific Session****Cervical & Intracranial Flow** | **Scien­tific Session****Brain Tumours: Post-Treatment** | **Scien­tific Session****Little Bones** | **Scien­tific Session****Methods & Applications for PET/MR** | **Scien­tific Session****High-Risk, High-Reward Translations** |
| **Room N02** | **Room N03** | **Room S03** | **Room S04** | **Room S05** | **Room S06** | **Room W05/06** |

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| **CLOSING SESSIONPlenary Hall (Paris Room), 17:45 - 18:45** |
| **17:45** |  | **Young Investigator Awards Presentation** | **Karla L. Miller, Ph.D.** |
| **17:50** |  | **Closing Remarks** | **Pia C. Maly Sundgren, M.D., Ph.D., 2018-2019 ISMRM President** |
| **18:00** |  | **Lauterbur LectureMRI in Yon Times of Yore** | **Gary H. Glover, Ph.D.** |
| **18:45** |  | **Adjournment** |

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|  | **Closing Party** |

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