Preliminary Workshop Programme

Registration & Setup
Monday, September 10, 2018

15:00   Registration & Speaker Upload available until 18:00
18:00   Welcome Cocktails
18:00   Remembrance of Werner Kaiser
        Clemens Kaiser, Mannheim/DE

Day 1
Tuesday, September 11, 2018

06:55   Registration & Speaker Upload available
07:55   Welcome
        Elizabeth Morris, Nola Hylton, Francesco Sardanelli
08:00   Session 1: Clinical Breast MRI (2017 Uses)
        Moderator: Elizabeth Morris, New York/US
08:15   Screening with MRI
        Christiane K. Kuhl, Aachen/DE
08:15   Preoperative MRI: Myths and facts
        Francesco Sardanelli, Milan/IT
08:30   Neoadjuvant therapy
        Fiona J. Gilbert, Cambridge/UK
08:45   B3 lesions: MRI for less surgery
        Simone Schrading, Aachen/DE
09:00   Reporting BI-RADS vs Tree & Report Integration
        Katja Pinker-Domenig, New York/US
09:15   MRI after equivocal imaging
        Linda Moy, New York/US
09:30   Panel discussion
10:00   Break
10:30   Session 2: Clinical breast MRI (Protocols)
        Moderator: Ileana Hancu, Niskayuna/US
10:30   Non-contrast techniques - T2: Fat-sat, non-fat-sat or STIR
        Bruce L. Daniel, Stanford/US
10:40   T2 mapping
        Catherine J. Moran, Stanford/US
10:50  Fast protocols: Which is better?  
Elizabeth J. Sutton, New York/US

11:00  Are you sure that 3T better than 1.5?  
Brian A. Hargreaves, Stanford/US

11:10  How many channels have your coils?  
Walter F. Block, Madison/US

11:20  Multiparametric MRI  
Thomas Helbich, Vienna/AT

11:30  Hybrid imaging: GRASP & MR reconstruction  
Linda Moy, New York/US

11:40  Panel discussion

13:00  Lunch

14:00  Session 3: Proffered Papers  
Chair: Julia Camps Herrero, Alzira/ES

16:00  Break

16:30  Session 4: Intervention & Spectroscopy  
Moderator: Robert E. Lenkinski, Dallas/US

16:30  A radiologist’s guide to practical use of DWI for breast MRI interpretation and/or real-time biopsy & cryoablation of breast tumors: Possibilities & limitations  
Fred Kelcz, Madison/US

16:40  MRS: Choline, fat, something else?  
Patrick J. Bolan, Minneapolis/US

16:50  Non-proton MRS: did you forget $^{31}$P & $^{23}$Na?  
Dennis W.J. Klomp, Utrecht/NL

17:00  C hyperpolarized MRI  
Fiona J. Gilbert, Cambridge/UK

17:10  MR biopsy innovations  
Ileana Hancu, Niskayuna/US

17:20  MR-guided therapy (MRgFUS and other)  
Federica Pediconi, Rome/IT

17:30  APT Imaging  
Dennis W.J. Klomp, Utrecht/NL

17:40  CEST Imaging  
Michael T. McMahon, Baltimore/US

17:50  What can partial differential equations tell us about breast cancer?  
Thomas E. Yankeeelov, Austin/US

18:00  Panel discussion
Day 2
Wednesday, September 12, 2018

07:00  Registration & Speaker Upload available

08:00  Session 5: Non-routine breast MRI Techniques
      Moderator: Thomas Helbich, Vienna/AT
08:00  Ultrasound imaging
       Masako Kataoka, Kyoto/JP
08:15  DTI
       Hadassa Degani, Rehovot/IL
08:30  DWI & IVIM
       Savannah Partridge, Seattle/US
08:45  Supine pre-op & ultrashort TE
       Roberta Strigel, Madison/US
09:00  High & ultrahigh MR
       Dennis W.J. Klomp, Utrecht/NL
09:15  PET/MR & PET tracers
       Amy Fowler, Madison/US
09:30  Panel discussion

10:00  Break & Posters

10:30  Session 6: Proffered Papers
      Moderator: Kristine Glunde, Baltimore/US

12:00  Lunch

13:00  Session 7: Breast MRI biomarkers
      Moderator: Christiane K. Kuhl, Aachen/DE
13:00  Quantitative imaging (Quantify/Optimize/Standardize)
       Pete Gibbs, New York/US
13:15  QIBA/QIN
       Nola Hylton, San Francisco/US
13:30  MRI biomarkers: Risk stratification/prediction/prognosis
       Julia Camps Herrero, Alzira/ES
13:45  Background parenchymal enhancement
       Bas van der Velden, Utrecht/NL
14:00  DWI/ADC
       Denis Le Bihan, Gif-sur-Yvette/FR
14:15  Vascularization/Hypoxia/DCE voxel analysis
       Pascal Balzer, Vienna/AT
14:30 Biomarkers of NAC response
Nola Hylton, San Francisco/US

14:40 NIST Breast Phantom Efforts/QIBA
Kathryn Keenan, Boulder/US

14:55 Panel discussion

15:15 Break & Posters

16:00 Session 8: Radiomics/Radiogenomics/Tumor Microenvironment/Habitat Imaging
Moderator: Nola Hylton, San Francisco/US

16:00 Radiogenomics
Elissa Price, San Francisco/US

16:15 Habitat Imaging
Robert J. Gillies, Tampa/US

16:30 Tumor microenvironment (collagen)
Zaver M. Bhujwalla, Baltimore/US

16:45 Fatty acid composition, DCE markers & IVIM
Sungheon Gene Kim, New York/US

17:00 Quantitative proton MR spectroscopy assessment of lipid metabolism: Breast cancer diagnosis & differentiation of subtypes
Sunitha B. Thakur, New York/US

17:10 Session 9: Risk models/Risk assessment/Risk-adjusted screening
Moderator: Katja Pinker-Domenig, New York/US

17:10 Progress in breast MRI
Ritse M. Mann, Nijmegen/NL

17:20 High risk prediction & personalized screening
Elizabeth Morris, New York/US

17:30 Gad retention in the brain: Should we care?
Robert E. Lenkinski, Dallas/US

17:40 Panel discussion
Day 3
Thursday, September 13, 2018

07:00 Registration & Speaker Upload available

08:00 Session 10: Clinical trials
Moderator: Gabor Forrai, Budapest/HU
08:00 Trial design for radiologists
Constance D. Lehman, Boston/US
08:10 How to manage big data
Robert J. Gillies, Tampa/US

08:20 Session 11: Looking into the future of breast MRI & its competitors
Moderator: Francesco Sardanelli, Milan/IT
08:20 Ultrasound computer tomography
Clemens Kaiser, Mannheim/GE
08:30 DBT & CEDM
Wendy DeMartini, Stanford/US
08:40 Automated breast US
Gabor Forrai, Budapest/HU
08:50 Optical imaging
Kristine Glunde, Baltimore/US
9:00 Panel discussion

09:30 Session 12: Vendor solutions: DWI challenge
Moderator: Denis Le Bihan, Gif-sur-Yvette/FR
09:30 ADC quantification
Pascal Baltzer, Vienna/AT
09:40 Multicenter ADC quantification/Gradient correction/Reproducibility of ADC
David C. Newitt, San Francisco/US
09:50 Commercial solutions for advanced quantification
Michael A. Jacobs, Baltimore/US

10:00 Break & Posters

10:30 Session 13: What can AI & machine learning do for breast MRI?
Moderator: Linda Moy, New York/US
10:30 Breast composition determination & lesion classification
Despina Kontos, Philadelphia/US
10:40 Technical perspectives presentation
Kevin Lyman, San Francisco/US
10:50 Technical perspectives presentation
Tanveer Syeda-Mahmood, San Jose/US

11:00 Technical perspectives presentation
Michael C. Muelly, Mountain View/US

11:10 The future of MRI
Michael A. Jacobs, Baltimore/US

11:20 Closing statements

11:20 Final wrap-up & Q&A
Elizabeth Morris, Nola Hylton, Francesco Sardanelli

12:00 Lunch & departure