

# SMRA 2018

[www.society4mra.org](http://www.society4mra.org)

## 30th Annual International Conference A SuperCool MRA Experience

### Glasgow

Kelvin Gallery | University of Glasgow

### Pre-Conference Educational Workshop

Tuesday, August 28<sup>th</sup>

### Main Conference

Wednesday, August 29<sup>th</sup>

Thursday, August 30<sup>th</sup>

Friday, August 31<sup>st</sup>

President:

*Richard Frayne*

Organizer:

*Giles Roditi*

Scientific Program Chair:

*Aleksandra Radjenovic*

Endorsed by:

*University of Glasgow*



# PRE-CONFERENCE WORKSHOP

**28 August 2018 – Kelvin Gallery, University of Glasgow**

**Opening remarks by Richard Frayne, SMRA President**

## **Session 1: Introduction to MRA and basic techniques**

A Brief History of (S)MRA – Kevin DeMarco, Neuroradiologist, National Institute of Health, Bethesda, Maryland, USA

Fundamental MRA Techniques – Phase-Contrast – Charles Dumoulin, Professor, UC Department of Pediatrics, UC Department of Radiology & Director of the Imaging Research Center at Cincinnati Children's Hospital Medical Center, Cincinnati, USA

Fundamental MRA Techniques – Time-of-Flight – Martin Graves, Head of MR Physics and Radiology IT, Cambridge University Hospitals NHS Foundation Trust, Cambridge, UK

Introduction to k-space and Parallel imaging – Nicole Seiberlich, Assistant Professor, Biomedical Engineering; Electrical Engineering and Computer Science, Department of Biomedical Engineering, Case Western Reserve University, Cleveland, USA

Gadolinium-based Contrast Agents – Tim Leiner, Professor of Radiology, Utrecht University Medical Center, Department of Radiology, Utrecht, Netherlands & Vice President-Elect ISMRM

Contrast-enhanced MRA and Background Suppression Methods – Eric Stinson, College of Medicine, Mayo Clinic, Rochester, Minnesota, USA

## **Session 2: Advanced MRA techniques**

Dynamic CE-MRA – Christopher J. Francois, Department of Radiology, School of Medicine and Public Health, University of Wisconsin – Madison, US

Ferumoxylol MRA – Paul Finn, Professor of Radiology, Vice Chair of Innovative Technology, Chief of Diagnostic Cardiovascular Imaging, UCLA, Los Angeles, California, USA

4D MRA – Michael Markl, Lester B. and Frances T. Knight Professor of Cardiac Imaging, Northwestern University Feinberg School of Medicine, Chicago, USA

Advanced Non-Contrast MRA Techniques – Robert Edelman, William B. Graham Chair, Department of Radiology, NorthShore University HealthSystem, Professor of Radiology, Feinberg School of Medicine, Northwestern University, Chicago, USA

Imaging microcirculation – Aleksandra Radjenovic, Senior Lecturer in MRI, Institute of Cardiovascular & Medical Sciences, BHF Glasgow Cardiovascular Research Centre, University of Glasgow, Glasgow, UK

## **Session 3: Applications: above diaphragm**

Carotid & Intracranial MRA for Stroke Assessment – James Meaney, Professor of Radiology, St. James's Hospital, James's Street, Dublin, Ireland

Intracranial MRA for Aneurysms & AVMs – Sarah Jenkins, Consultant Neuroradiologist, Greater Glasgow & Clyde NHS, Glasgow, UK

Vessel Wall & Plaque imaging – Professor Rene Botnar, Professor of Cardiovascular Imaging, King's College, London, UK

Coronary MRA – Matthias Stuber, Director of the CIBM-CHUV-MR, Full Professor at the University of Lausanne, Switzerland and Visiting Professor at the Johns Hopkins University, Baltimore, MD, USA

Thoracic Aorta – James Carr, Vice Chair for Research, Department of Radiology, Knight Family Professor of Cardiac Imaging, Professor of Radiology, McCormick School of Engineering and Medicine, Northwestern University, Chicago, USA

## **Session 3: Applications: below diaphragm**

Renal MRA – Giles Roditi, Consultant Cardiovascular Radiologist, NHS Greater Glasgow & Clyde, Honorary Clinical Associate Professor, Glasgow University, President British Society of Cardiovascular Imaging / British Society of Cardiovascular CT

Liver MRA – Elizabeth Hecht, Associate Professor of Radiology at Columbia University Medical Center (CUMC) and Director of Cross-Sectional Vascular Imaging, New York Presbyterian, New York, USA

Peripheral extremities MRA – Jeff Maki, Visiting Professor, Radiology-Diagnostics, Section Chief, School of Medicine, University of Colorado, USA

Whole Body MRA – Jonathan Weir-McCall, Wellcome Trust Clinical Research Fellow, Ninewells Hospital, Dundee, Scotland and Visiting Fellow University of British Columbia, Vancouver, Canada

MRA of the Skin including AVMs – Martin Prince, Professor of Radiology at Cornell and Columbia Universities in New York City, and Chief of MRI at New York Hospital, New York, USA

**Closing address – Debiao Li, Institute Director, Biomedical Imaging Research Institute, Cedars Sinai, Los Angeles, California, USA**