

2016 OCSMRM Annual Meeting



Singapore

Annual OCSMRM Meeting 2016
Suntec Singapore Convention & Exhibition Centre
May 11, Wednesday, 18:30-21:00, Room Nicoll 3



UNITED 联影
IMAGING



PHILIPS



alltech
Medical Systems



Program of 2016 OCSMRM Annual Meeting

- 7:00-7:15 pm: Welcome and OCSMRM Report (OCSMRM President: Dr. Wei Chen)**
- 7:15-7:20 pm: Present YIA Awards (Committee Chair: Dr. Jiang Du)**
- 7:20-7:30 pm: Sponsor Presentations**
- 7:30-8:00 pm: Invited VIP Speeches**
- 8:00-8:45 pm: Oral Presentations of Imaging Center/Lab Leaders**
- 8:45-8:50 pm: Announcement of OCSMRM Election Results (Dr. Wei Chen) and a speech by new OCSMRM Secretary**
- 8:50-8:55 pm: Introduction of 2016-2017 OCSMRM President with a speech**
- 8:55-9:00 pm: Drawing Prizes**
- 9:00 pm: Adjournment**

Cerebration of 25th OCSMRM Anniversary

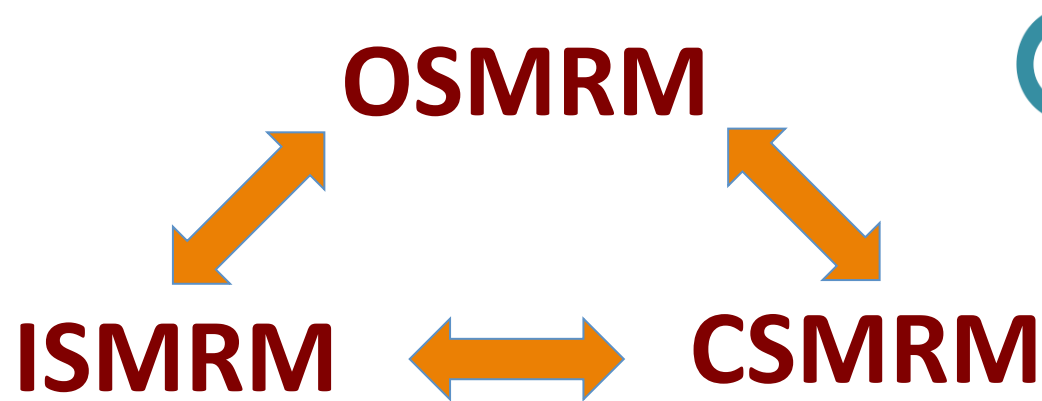


**Founded by Dr. Gary
Shen (沈桂雄)**

in 1991

(see history:

www.ocsrm.org)



Mission is to promote:

- Research collaboration between OCSMRRM and CSMRRM;
- Engagement of Chinese community in ISMRRM;
- Education and professional networking

Young Investigator Award Competition

(will be presented by Dr. Du Jiang)



YIA Selection Committee

- **Wei Chen, Ph.D., University of Minnesota**
- **Yiping Du, Ph.D., Shanghai JiaoTong University**
- **Ed X. Wu, Ph.D., Hongkong University**
- **Xiaoliang Zhang, Ph.D., UC San Francisco**
- **Xing Yu, Ph.D., Case Western Reserve University**
- **Jiang Du (Chair), Ph.D., University of California, San Diego**

2015: 6 Applicants (1 winner)

2016: 19 Applicants (3 winners)



The Overseas Chinese Society for Magnetic Resonance in Medicine

Young Investigator Award

First Place

Ruiliang Bai

Presented on May 11, 2016 in Singapore

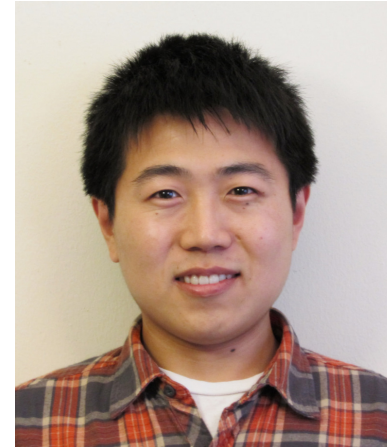
Handwritten signature of Wei Chen in black ink.

Handwritten signature of Jiang Du in black ink.

Wei Chen, Ph.D.
OCSMRM President

Jiang Du, Ph.D.
Program Chair

From National Institute of Health



Ruiliang Bai, Ph.D.



Peter J Basser, Ph.D.

Awarded Publication published in 2015-2016



Assessing the sensitivity of diffusion MRI to detect neuronal activity directly

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Edited by Marcus E. Raichle, Washington University in St. Louis, St. Louis, MO, and approved February 2, 2016 (received for review October 8, 2015)

Functional MRI (fMRI) is widely used to study brain function in the neurosciences. Unfortunately, conventional fMRI only indirectly assesses neuronal activity via hemodynamic coupling. Diffusion fMRI was proposed as a more direct and accurate fMRI method to detect neuronal activity, yet confirmative findings have proven difficult to obtain. Given that the underlying relation between tissue water diffusion changes and neuronal activity remains unclear, the rationale for using diffusion MRI to monitor neuronal activity

reported similar reductions in water diffusivity under conditions of extreme hyperexcitability using strong pharmacologic stimulants.

However, functional diffusion MRI (fDMRI) has not been widely used or adopted since its introduction almost two decades ago. Two major reasons for this may be a dearth of experiments that convincingly establish its neurophysiological basis and the poor reproducibility of the originally reported changes in diffusion MRI signals by different laboratories. The inability to detect

