OCSMRM 2020
Virtual Conference

07/29/2020

1. OCSMRM 2019-2020 工作总结

杜江教授，加州大学圣地亚哥分校

2. OCSMRM Young Investigator Award (YIA)

王炯炯教授，南加州大学

3. OCSMRM BOT/Secretary Election

陆汉璋教授，**Johns Hopkins University**

4. OCSMRM 交接

王梅云教授，河南省人民医院

OCSMRM Presidents (1991-2020)

Gary Shen: 1991-2000

Jianhui Zhong: 2000-2002

Jiahong Gao: 2002-2004

Xiaoping Hu: 2004-2006

Debiao Li: 2006-2008

Qun Chen: 2008-2010

Xiaohong Joe Zhou: 2010-2011

Yi Wang: 2011-2012

Chun Yuan: 2012-2013

Yihong Yang: 2013-2014

Yiping Du: 2014-2015

Wei Chen: 2015-2016

Ed X. Wu: 2016-2017

Xiaoliang Zhang: 2017-2018

Qiyong Gong: 2018-2019

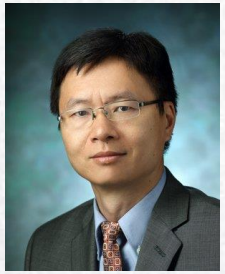
Jiang Du: 2019-2020

Board of Trustees (2019-2020)


Jiang Du


Meiyun Wang


Qiyong Gong


Hanzhang Lu


Wei Chen


Xiaoliang Zhang


Ed Wu


Yiping Du


Chun Yuan


Yi Wang


Yihong Yang


Hui Mao


Hao Huang


Xiaojuan Li


Allen Song

Activities During the Past Year

Activities During the Past Year

Activities During the Past Year

OCSMRM members (**16**) gave presentations in the ASMRM 2019

Name	Institution
Chun Yuan	University of Washington
Debiao Li	University of California-Los Angles
Guanshu Liu	Johns Hopkins University
Hanzhang Lu	Johns Hopkins University
James C. Gee	University of Pennsylvania
Jiang Du	University of California, San Diego
Leo Cheng	Harvard University
Meiyun Wang	Henan Provincial People's Hospital

Name	Institution
Wei Chen	University of Minnesota
Xiaoliang Zhang	University of California, San Francisco
Xiaoping Hu	University of California Riverside
Xin Yu	Case Western Reserve University
Xin Zhou	Wuhan Institute of Physics and Mathematics
Yang Xia	Oakland University
Yi Wang	Cornell University
Ze Wang	University of Pennsylvania

Activities During the Past Year

Dr. Xiaojuan Li

Activities During the Past Year

Dr. Duan Xu

Activities During the Past Year

Dr. Dinggang Shen

Activities During the Past Year

OCSMRM Endorsed Meeting

Dr. Hairong Zheng

OCSMRM Endorsed Workshop

Future OCSMRM Endorsed Workshop? Please contact Dr. Meiyun Wang

Dr. Rui Li

OCSMRM Monthly Virtual Meeting

Meeting #1: (4/28/2020)	High resolution neurovascular imaging with ASL and MRA at 3 and 7T (Dr. Danny JJ Wang)
Meeting #2: (5/16/2020)	放射医师与新冠肺炎：临床和科研 (王梅云 教授） Pediatric Neural MRI （Dr. Hao Huang）
Meeting #3: (6/16/2020)	The emergence and infancy of fMRI (Dr. Xiaoping Hu) 早期我国MRI应用的亲身经历 （冯晓源 教授）
Meeting #4: (7/29/2020)	UTE MRI: Technical development & clinical application (杜江教授) UTE MRI/PET in lung diseases (王梅云 教授） The development and application of synthetic MRI (陈敏 教授）

Activities During the Past Year

Bulletin

国际华人医学磁共振学会 OCSMRM 2019 年会简报 PAGE/01

OCSMRM Overseas Chinese Society for Magnetic Resonance in Medicine 国际华人医学磁共振学会

Inside This Issue
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■主席致辞

龚启勇 教授
国际华人医学磁共振学会
2018-2019主席

2019年5月13-15日，国际华人医学磁共振学会（OCSMRM）一年一度的年会与第27届国际医学磁共振学会（ISMRM）2019年会议在加拿大蒙特利尔同期召开。我谨代表OCSMRM 2019执行委员会向各位参会同行的到来表示诚挚的欢迎和感谢！

今年是OCSMRM成立的30周年。OCSMRM自成立伊始，就一直致力于推动全球医学磁共振领域内华人学者、医师、技师及工程师们的相互合作，帮助华人学者们更好地在国际舞台上绽放光彩。因此在今年OCSMRM年会策划伊始，除一年一度的“中国之夜”外，我们还为青年学者们特别策划了” 职业发展论坛 “，邀请到医学磁共振领域内知名专家为青年学者们的职业规划、研究经费申请等提供引导与建议，激发他们的工作热情。得益于各位专家与同行们的大力支持，该论坛成功举办并获得了较高的评价。

5月15日（周三）晚，“中国之夜” China Night在美丽的蒙特利尔洲际酒店圆满举行，我们有幸邀请到了ISMRM大会主席Dr. Pia Maly Sundgren、JSMRM的代表Dr. Kei Yamada和KSMRM主席 Dr. Yeon Hyeon Choe的参会，还邀请Biswal教授为会议做Roentgen Lecture。中国之夜的活动吸引到了海内外华人约300名，不仅提供了一个华人共聚一堂，交流学习的舞台，更是中国力量、亚洲力量的有力诠释。我们有理由相信通过OCSMRM的不懈努力与推动，在未来，华人在医学磁共振领域将会花开数朵、处处生花！

目录

Message from the President

Our OCSMRM annual meeting at ISMRM Conference in Montreal, Canada, was a huge success, thanks to the great effort of our former President, Prof. Qiyong Gong and his team, as well as the team effort from OCSMRM Executive Committee and Board of Trustee (BoT) members. For the first time we had an annual conference including opening and closing sessions, with various programs including Career Development Forum, Roentgen Lecture, Annual Report, Young Investigator Award (YIA) and Election in-between.

We are excited to see a rapidly growing community with >800 email accounts in our OCSMRM group email list. To facilitate communication and collaboration, OCSMRM Executive Committee and BoT have approved the publication of OCSMRM Bulletin 2-4 times a year. This newsletter aims to summarize and share OCSMRM member-involved annual meetings, workshops, lectures, research topics, book review, election, etc. Any contribution from our members is highly appreciated (please send to ocsmrm@126.com).

In the past few months OCSMRM members organized and/or participated several meetings, including the 7th International Workshop on CEST Imaging in Beijing, the 1st Asian Society of Magnetic Resonance in Medicine (ASMRM) in Shanghai, and the 18th Chinese Society of Magnetic Resonance in Medicine (CSMRM) in Shanghai. OCSMRM members presented the latest technical developments, which were well received and helped facilitating strong scientific exchanges and collaborations between members of OCSMRM and CSMRM. Several other meetings including 2019 Peking University Osteoarthritis International Forum, the International Pediatric Neuro MRI-Structure, Function and Outcome in Xi'an, the 22nd International Conference on Medical Image Computing and Computer Assisted Intervention in Shenzhen, and the 2019 International Conference on Medical Imaging Physics and Engineering & 9th National Annual Meeting of Medical Imaging Physics in Shenzhen are to be held soon.

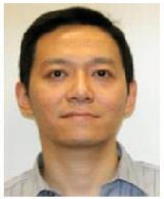
As the out-going President, I thank you again for the opportunity to serve the community. It has been a great honor and pleasure for me to serve OCSMRM. I look forward to participating more OCSMRM related events, especially the coming OCSMRM annual meeting at ISMRM Conference in Sydney, Australia, April 18-23, 2020. Please continue your strong support of OCSMRM by actively participating future meetings and elections.

Jiang Du, Ph.D.
OCSMRM President

基于神经影像的早期发育研究

儿童早期是个体发展和学习的重要阶段，运动、语言、认知等功能在此阶段逐渐形成和完善，为终生的发展奠定基础。脑的结构和功能在该时期也不断发展变化，以适应新的环境并学习新技能。需要特别指出的是，儿童早期发育阶段(即 0-5 岁的婴幼儿阶段)是人脑结构和功能迅猛发育的关键时期，个体出生时脑体积只有成人的 25%，而在 6 岁时能够达到成人的 90%以上。脑的结构和功能在这一阶段表现出极大的可塑性和个体差异，脑的细微变化对个体毕生的认知和行为发展有着重要影响(Gilmore et al. 2018)。

探索儿童早期的脑发育规律是神经科学领域的重要问题和国际前沿课题。早在 20 世纪初期，神经解剖学家们已经能够通过尸检脑组织考察胎儿和婴幼儿阶段的脑结构发育特点，这为认识脑的早期发育规律提供了大量的知识和线索。自 20 世纪 70 年代以来，多模态磁共振成像(magnetic resonance imaging, MRI)技术（结构、扩散和功能磁



Hao Huang, Ph.D., Associate Professor, Univ. of Pennsylvania

目录

Message from the President

The Overseas Chinese Society for Magnetic Resonance in Medicine (OCSMRM) is a non-profit professional organization that comprises of Chinese MRI physicists, engineers, and clinicians from Mainland China, Taiwan, Hong Kong, USA and worldwide. The OCSMRM was established in 1989 by Gary Shen during the 8th SMRM in Amsterdam, Netherland, with 12 Chinese attendees at an Indonesian-Chinese restaurant. Thereafter, OCSMRM kept growing steadily under the leadership of our past presidents, Drs. Gary Shen (1991-2000), Jianhui Zhong (2001, 2002), Jiahong Gao (2003, 2004), Xiaoping Hu (2005, 2006), Debiao Li (2007, 2008), Qun Chen (2009, 2010), Xiaohong Joe Zhou (2011), Yi Wang (2012), Chun Yuan (2013), Yihong Yang (2014), Yiping Du (2015), Wei Chen (2016), Ed. X Wu (2017), Xiaoliang Zhang (2018), and Qiyong Gong (2019). Today OCSMRM has over 600 members worldwide. Many OCSMRM members have made seminar contributions to MRI research and are presently the leading members in the global MRI research community. Our members have served as the International Society for Magnetic Resonance in Medicine (ISMRM) President (Dr. Debiao Li in 2011-2012), ISMRM Board of Trustees (Drs. Xiaoping Hu, Debiao Li, Meiyun Wang), ISMRM Annual Program Committees, and chairs of many ISMRM workshops. There are many OCSMRM members being selected as ISMRM Senior and Junior Fellows.

The OCSMRM is led by the Board of Trustees (BOT) consisting of 15 members. Among them 11 are past, present or future presidents, with another four regular BOT members each serving a two-year term. Every year we have one past president, typically the most senior one, and two regular BOT members retiring from the BOT, and we need to elect one secretary and two regular BOT members. The secretary will be vice-president the next year and president the year after.

This year we have three outstanding candidates for OCSMRM Secretary, including Drs. Leo L. Cheng, Hao Huang and Danny J.J. Wang. We have six outstanding candidates for OCSMRM BOT, including Drs. James C. Gee, Guanshu Liu, Edwin H.G. Oei, Qing X. Yang, Shanshan Wang, and Dan Wu. Please cast your votes to elect the best candidates to lead our society in the next few years. Meanwhile, please also cast your votes for ISMRM Vice-President and BOT. Two years ago, Dr. Meiyun Wang was elected as the first female Chinese ISMRM BOT member, and the third Chinese BOT member after Drs. Xiaoping Hu and Debiao Li. This year, we have an outstanding candidate, Prof. Qiyong Gong, for ISMRM BOT. Looking forward to more OCSMRM members being actively involved in the leadership of ISMRM.

Jiang Du, Ph.D.
OCSMRM President

Meiyun Wang, M.D., Ph.D.
Professor and Chair of Radiology
Henan People's Hospital
OCSMRM Vice President

OCSMRM 侯任主席王梅云教授成功入选 ISMRM 国际医学磁共振学会理事！

乌黑浓密的秀丽短发，笑容温暖恬静。这是一张华人女性的面孔。 多年来，国际医学磁共振学会（ISMRM）理事会的席位中，首次出现华人女性的面孔，她来自中国河南省的河南省人民医院。

OCSMRM 专家再次入选 ISMRM 理事会理事

ISMRM 是医学磁共振领域最大最权威的国际组织，由来自全世界 58 个国家和地区的 8000 多名相关领域的临床医生、科学家和工程师等组成。理事会作为 ISMRM 的领导层和决策层，由全球磁共振领域 20 多个知名专家组成，负责商讨和制定 ISMRM 的重大事务及决策。每年换届会新选举产生 1 个候任副主席和 4 个理事会成员。

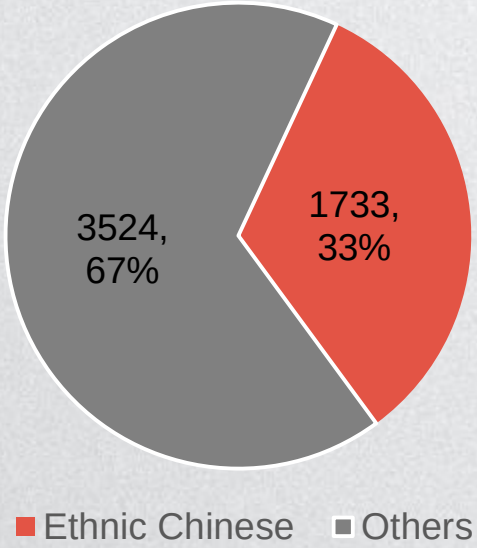
OCSMRM 前任主席、加利福尼亚大学滨河分校的胡小平教授以及加利福

Accepted Abstracts in ISMRM 2020

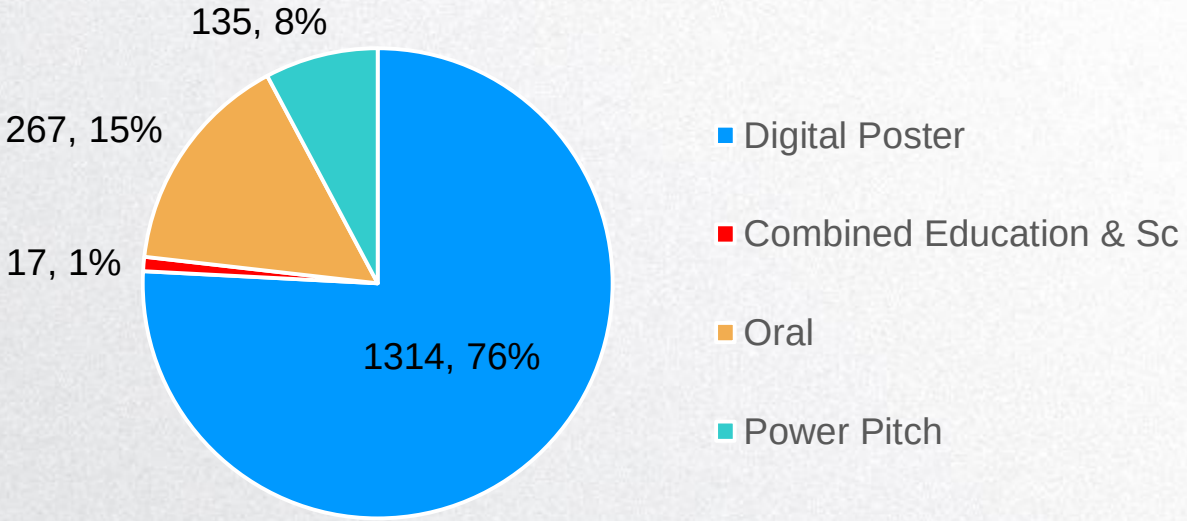
Presentation Type	Total	Ethnic Chinese
Digital Poster	3832	1314 (**34%**)
Combined Education &Sc	69	17 (**25%**)
Oral	870	267 (**31%**)
Power Pitch	495	123 (**27%**)
Total	5257	1733 (**33%**)

OCSMRM Member Contribution: ~1/3

Accepted Abstracts in ISMRM 2020



Accepted ISMRM abstracts



Presentations by Ethnic Chinese

OCSMRM Member Contribution: ~1/3

MRM monthly highlights of ethnic Chinese authors: 20/73 = 27% ➡ 1/3

	Time	Authors	Paper
1	Jul. 2020	Chunlei Liu et al	Multiphoton magnetic resonance in imaging: A classical description and implementation. 2020, 84(3): 1184-1197.
2	Jun. 2020	Junzhong Xu et al	Magnetic resonance imaging of mean cell size in human breast tumors. 2020, 83(6): 2002-2014.
3	May 2020	Houchun H. Hu et al	Magnetic resonance imaging of obesity and metabolic disorders: Summary from the 2019 ISMRM Workshop. 2020, 83(5): 1565-1576
4	Apr. 2020	Zhongliang Zu et al	Towards the molecular origin of glutamate CEST (GluCEST) imaging in rat brain. 2020, 83(4): 1405-1417.
5	Apr. 2020	Xucheng Zhu et al	Iterative motion-compensation reconstruction ultra-short TE (iMoCo UTE) for high-resolution free-breathing pulmonary MRI. 2020,83(4): 1208-1221.
6	Mar. 2020	Yi Wang et al	Cluster analysis of time evolution (CAT) for quantitative susceptibility mapping (QSM) and quantitative blood oxygen level-dependent magnitude (qBOLD)-based oxygen extraction fraction (OEF) and cerebral metabolic rate of oxygen (CMRO2) mapping. 2020, 83(3): 844-857.
7	Mar. 2020	Jang et al	Inversion recovery UTE based volumetric myelin imaging in human brain using interleaved hybrid encoding. 2020, 83(3): 950-961.
8	Feb. 2020	Zhi-Pei Liang et al	Ultrafast magnetic resonance spectroscopic imaging using SPICE with learned subspaces. 2020, 83(2): 377-390.
9	Jan. 2020	Congyu Liao et al	High-fidelity, high-isotropic-resolution diffusion imaging through gSlider acquisition with B_1^+ and T1 corrections and integrated ΔB0/Rx shim array. 2020, 83(1): 56-57.

MRM Monthly Highlights 2018-2020

	Time	Authors	Paper
10	Aug. 2019	Xin Zhou et al	Free-base porphyrins as CEST MRI contrast agents with highly upfield shifted labile protons. 2019, 82(2): 577-585.
11	Jul. 2019	Xing Lu et al	Three-dimensional ultrashort echo time imaging with tricomponent analysis for human cortical bone. 2019, 82(1): 348-355.
12	May 2019	Danyy J.J. Wang et al	Mapping water exchange across the blood–brain barrier using 3D diffusion-prepared arterial spin labeled perfusion MRI. 2019, 81(5): 3065-3079.
13	May 2019	Fang Liu	SUSAN: segment unannotated image structure using adversarial network. 2019, 81(5): 3330-3345
14	Nov. 2018	Qun Zhao et al	Assessment of MR-based R2* and quantitative susceptibility mapping for the quantification of liver iron concentration in a mouse model at 7T. 2018, 80(5): 2081-2093.
15	Oct. 2018	Jiadi Xu et al	Separating fast and slow exchange transfer and magnetization transfer using off-resonance variable-delay multiple-pulse (VDMP) MRI. 2018, 80(4): 1568-1576
16	Jun. 2018	Chun Yuan et al	Development of a quantitative intracranial vascular features extraction tool on 3D MRA using semiautomated open-curve active contour vessel tracing. 2018, 79(6): 3229-3238
17	May 2018	Xiaohong Joe Zhou et al	Steer-PROP: a GRASE-PROPELLER sequence with interecho steering gradient pulses. 2018, 79(5): 2533-2541
18	May 2018	Yajun Ma et al	Short T2 imaging using a 3D double adiabatic inversion recovery prepared ultrashort echo time cones (3D DIR-UTE-Cones) sequence. 2018, 79(5): 2555-2563
19	Apr. 2018	Fang Liu et al	Deep convolutional neural network and 3D deformable approach for tissue segmentation in musculoskeletal magnetic resonance imaging. 2018, 79(4): 2379-2391
20	Mar. 2018	Donghan M. Yang et al	Intracellular water preexchange lifetime in neurons and astrocytes. 2018, 79(3): 1616-1627

Participation in ISMRM 2020

- **ISMRM Senior Fellows (n=18)**

Xiaoping Hu 2004
Vivian S. Lee 2006
Debiao Li 2006
Linda Chang 2008
Chun Yuan 2008
Zhi-Pei Liang 2010
Christine Chung 2012
Yi Wang 2012
Xiaohong Zhou 2012
Chien Ho 2013
Ed X. Wu 2013
Wei Chen 2016
Qiyong Gong 2016
Yihong Yang 2017
Hanzhang Lu 2018
Jie Tian 2018
Yang Xia 2018
Kenneth Kwong, 2019

Data from 2019

- **ISMRM Junior Fellows (n=43)**

Kevin C. Chan 2010
Jun Hua 2010
Holden H. Wu 2010
Weiying Dai 2011
Yen-Yu Ian Shih 2011
Dingxin Wang 2011
Silun Wang 2011
Xin Yu 2011
Jeff Lei Zhang 2011
Wei Li 2012
Deqiang Qiu 2012
Qi Yang 2012
Zhaoyang Fan 2013
Hui Han 2013
Peiying Liu 2013
Hsiao-Ying Wey 2013
Kun Qing 2014
Lirong Yan 2014
Li Feng 2015
Fang-Cheng Yeh 2015
Yi Zhang 2015
Jie Luo 2016
Chao Ma 2016
Dan Wu 2016
Dan Ma 2017
Fan Lam 2017
Yibin Xie 2017
Chengcheng Zhu 2017
Yan Lin 2017
Ruiliang Bai 2017
Tsen-Hsuan Lin 2017
Audrey Fan 2018
Russell Chan 2018
Fei Li 2018
Shanshan Jiang 2018
Fang Liu 2018
Qiuyun Fan 2018
Yun Jiang 2019
Alex Tzw Lung Leong 2019
Jiaen Liu 2019
Ya-Jun Ma 2019
Minhui Ouyang 2019
Zhiyong Zhang 2019

Participation in ISMRM 2020

- **Board of Trustees: (1/24)**

  Meiyun Wang, M.D., Ph.D.

- **Annual Meeting Program Committee: (13/89)**

  Lijun Bao, Ph.D.

  Kannie WY Chan, Ph.D.

  Zhaolin Chen, Ph.D.

  Hai-Ling Margaret Cheng, Ph.D.

  Hua Guo, Ph.D.

  Peng Hu, Ph.D.

  Yunhong Shu, Ph.D.

  Meiyun Wang, M.D., Ph.D.

  Duan Xu, Ph.D.

  Xin Yu, Ph.D.

  Jiaen Liu, Ph.D. (Junior Fellow Observer)

  Yajun Ma, Ph.D. (Junior Fellow Observer)

  Zhiyong Zhang, Ph.D. (Junior Fellow Observer)

- **Subcommittee on Young Investigator Awards: (3/16)**

  Houchun Harry Hu, Ph.D., Chair

  Yiping Du, Ph.D.

  Yulin Ge, Ph.D.

- **Chapters Committee: (2/17)**

  Hua Guo, Ph.D.

  Fuhua Yan, Ph.D.

- **Education Committee: (6/32)**

  Hao Huang, Ph.D.

  Chuan Huang, Ph.D.

  Peiying Liu, Ph.D.

  Dan Ma, Ph.D.

  Jin Wang, Ph.D.

  Junzhong Xu, Ph.D.

OCSMRM Highly Under-Represented

Participation in ISMRM 2020

- **Subcommittee on Trainee Stipends: (4/11)**
  - Kai-Yu Ho, Ph.D.
  - Xiao-Qi (Juliana) Huang, Ph.D.
  - Fa-Hsuan Lin, Ph.D.
  - Peiying Liu, Ph.D.
- **Publications Committee: (4/24)**
  - Weitian Chen, Ph.D.
  - Xiaoping P. Hu, Ph.D.
  - Yu-Chien Wu, Ph.D.
  - Dan Wu, Ph.D.
- **Web Editorial Board: (3/21)**
  - Jun Lu, Ph.D.
  - Shanshan Wang, Ph.D.
  - Minhui Ouyang, Ph.D.
- **Safety Committee: (1/25)**
  - Xiawei Ou, Ph.D.
- **Workshop & Study Group Review Committee: (5/38)**
  - Qiyong Gong, M.D., Ph.D.
  - Xiaoping P. Hu, Ph.D.
  - Duan Xu, Ph.D.
  - Lirong Yan, Ph.D.
  - Yun Liang, Ph.D. (Junior Fellow Observer)
- **Ad Hoc Committee on Women in ISMRM: (2/22)**
  - Xiaoying Wang, Ph.D.
  - Meiyun Wang, M.D., Ph.D.
- **Trainee Advisory Working Group: (5/19)**
  - Yun Yang, Ph.D.
  - Jiaen Liu, Ph.D.
  - Yajun Ma, Ph.D.
  - Minhui Ouyang, Ph.D.
  - Zhiyong Zhang, Ph.D.

OCSMRM Highly Under-Represented

OCSMRM YIA 2020

2020 OCSMRM YIA Committee Members

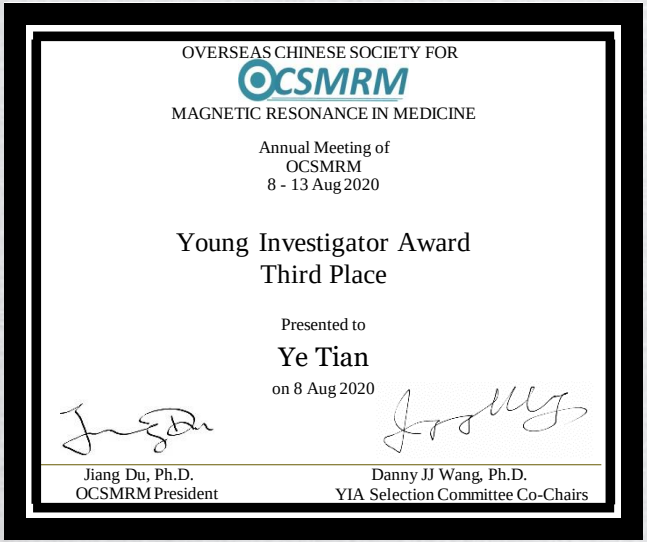
Chair: Danny JJ Wang, USC
Prof. Dinggang Shen, United Imaging/UNC
Prof. Xin Lou, PLA Hospital
Prof. Hongyu An, Wash Univ St Louis
Prof. Allen Song, Duke Univ
Prof. Yulin Ge, NYU
Prof. Xin Yu, Case Western
Prof. Hao Huang, UPenn/CHOP
Prof. Jinyuan Zhou, JHU

OCSMRM Young Investigator Award

(3rd Place :4, 2nd Place: 2, 1st Place:1)

OCSMRM Young Investigator Award (YIA)

3rd Place


OVERSEAS CHINESE SOCIETY FOR
OCSMRM
MAGNETIC RESONANCE IN MEDICINE

Annual Meeting of
OCSMRM
8 - 13 Aug 2020

Young Investigator Award
Third Place

Presented to
Ye Tian
on 8 Aug 2020

Jiang Du, Ph.D.
OCSMRM President

Danny JJ Wang, Ph.D.
YIA Selection Committee Co-Chairs

Ye Tian, PhD
Postdoc
University of Southern California

Mentor:
Ganesh Adluru
Edward DiBella

Magnetic Resonance in Medicine 2020; In press.
Whole-heart ungated free-breathing cardiac phase resolved myocardial perfusion MRI by using Continuous Radial Interleaved simultaneous Multi-slice acquisitions at sPoiled steady-state (CRIMP).
Ye Tian, Jason Mendes, Brent Wilson, Alexander Ross, Ravi Ranjan, **Edward DiBella, Ganesh Adluru**.

OCSMRM Young Investigator Award (YIA)

3rd Place


OVERSEAS CHINESE SOCIETY FOR
OCSMRM
MAGNETIC RESONANCE IN MEDICINE

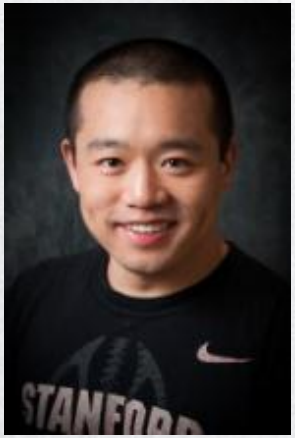
Annual Meeting of
OCSMRM
8 - 13 Aug 2020

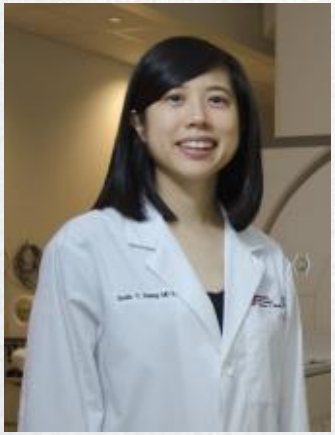
Young Investigator Award
Third Place

Presented to
Qiyuan Tian
on 8 Aug 2020

Jiang Du, Ph.D.
OCSMRM President

Danny JJ Wang, Ph.D.
YIA Selection Committee Co-Chairs





Qiyuan Tian, PhD
Postdoc
Massachusetts General Hospital

Mentor:
Susie Y. Huang

NeuroImage, 2020; 219: 117017.
DeepDTI: High-fidelity Six-direction Diffusion Tensor Imaging using Deep Learning.
Tian Q, Bilgic B, Fan Q, Ngamsombat C, Liao C, Hu Y, Witzel T, Setsompop K, Polimeni JR, **Huang SY**.

OCSMRM Young Investigator Award (YIA)

3rd Place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on 8 Aug 2020

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Zhehao Hu, M.S.
Ph.D. Student
Cedars-Sinai Medical Center

Mentor:
Zhaoyang Fan

Magnetic Resonance in Medicine 2020; in press. Magnetic resonance multitasking for multidimensional assessment of cardiovascular system: development and feasibility study on the thoracic aorta.
Hu Z, Christodoulou AG, Wang N, Shaw JL, Song SS, Maya MM, Ishimori ML, Forbess LJ, Xiao J, Bi X, Han F, Li D, **Fan Z**.

OCSMRM Young Investigator Award (YIA)

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Xingfeng Shao, PhD
Research Scientist
University of
Southern California

Mentor: Danny J.J. Wang

Magnetic Resonance in Medicine 2019; 81:3065-3079. Mapping water exchange across the blood-brain barrier using three-dimensional diffusion-prepared arterial spin labeled perfusion MRI
Shao X, Ma JS, Casey M, D'Orazio L, Ringman J and **Wang DJJ**.

OCSMRM Young Investigator Award (YIA)

2nd Place

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Annual Meeting of
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8 - 13 Aug 2020

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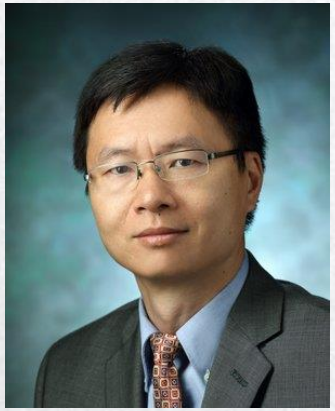

Zixuan Lin, B.S.
Ph.D. Student
Johns Hopkins University

Mentor: Hanzhang Lu

Radiology. 2019; 292(1):140-148.
Brain Oxygen Extraction by Using MRI in Older Individuals: Relationship to Apolipoprotein E Genotype and Amyloid Burden.
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Jianpan Huang, M.S.
PhD Student
City University of Hong Kong

Mentor: Kannie W.Y. Chan

Sci Adv 2020; 6 (20):eaba3884. **Altered D-glucose in brain parenchyma and 1 cerebrospinal fluid of early Alzheimer's disease detected by dynamic glucose enhanced MRI. Huang J**, van Zijl PCM, Han X, Dong CM, Cheng GWY, Tse KH, Knutsson L, Chen L, Lai JHC, Wu EX, Xu J*, **Chan KWY**

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on 8 Aug 2020

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OCSMRM President

Danny JJ Wang, Ph.D.
YIA Selection Committee Co-Chairs

Lin Chen, Ph.D.
Postdoc
Johns Hopkins University

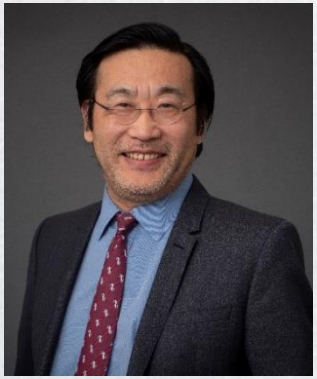
Mentor: Peter van Zijl

Nature Communications 2020;11(1):1072.
In vivo imaging of phosphocreatine with artificial neural networks.
Chen L, Schar M, ChanKWY, Huang J,Wei Z, Lu H, QinQ, Weiss R, **van Zijl P,** Xu J.

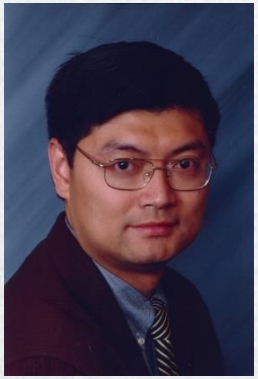
OCSMRM Election 2020

OCSMRM Election 2020

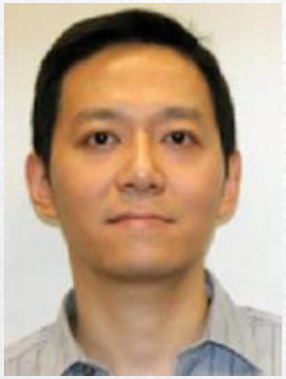
Secretary



Leo L. Cheng

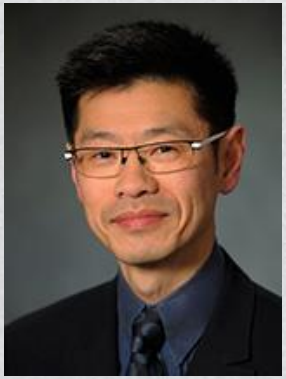


Danny J. J. Wang



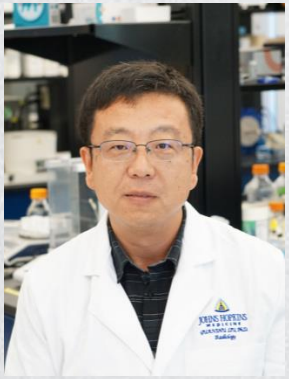
Hao Huang

BOT



James C. Gee

Edwin H.G. Oei



Guanshu Liu

Dan Wu

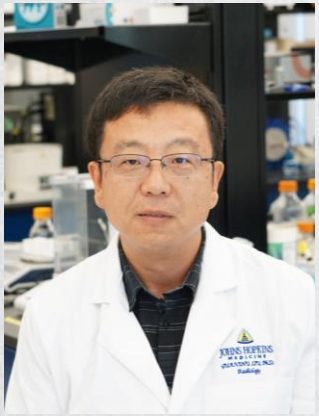
Shanshan Wang

Qing X. Yang

OCSMRM Election 2020

		Total Votes	Invalid Votes	Valid Votes
Secretary	Existing Lifetime Member	59	6	53
	New Lifetime Member	16	0	16
	Regular Member	78	0	78
	Trainee Member	29	0	29
BoT	Existing Lifetime Member	118	12	106
	Lifetime Member	32	0	32
	Regular Member	158	0	158
	Trainee Member	55	0	55

OCSMRM Election 2020 – New BOT Members



Guanshu Liu, Ph.D.
Associate Professor
Department of Radiology
Johns Hopkins University

Shanshan Wang, Ph.D.
Associate Professor
Paul C Lauterbur Research Center
Shenzhen Institutes of Advanced Technology

OCSMRM Election 2020 – New Secretary

Hao Huang, PhD
Associate Professor of Radiology, University of Pennsylvania
Faculty Director of Small Animal Imaging Facility, Children's Hospital of Philadelphia
Distinguished Investigator, Academy for Radiology & Biomedical Imaging Research

黄浩教授现为美国宾夕法尼亚大学副教授（评审正教授过程中），费城儿童医院小动物影像中心主任。黄浩教授是国际上公认的儿童神经影像研究的领军人物，获得放射与生物医学影像学会杰出研究奖，在国际主流期刊Nature和 PNAS (通讯)等发表了近100篇论文，受邀被Science和Nature Medicine杂志进行专题采访，由权威出版社Elsevier邀请编写了儿童脑影像手册“Handbook of Paediatric Brain Imaging: Methods, Modalities and Applications”。黄浩教授作为首席科学家自从2009年起连续受NIH资助。

黄浩教授现任ISMRM Education Committee委员，担任ISMRM会议moderator十余次，受邀口头报告十余次，并多次担任ISMRM faculty。实验室成员多次获得ISMRM Junior Fellow, Summa Cum Laude和Magna Cum Laude奖励。自从2007年以来积极参与OCSMRM活动和邀请报告，致力于协会发展，担任OCSMRM Board of Trustee成员和Young Investigator Award评审委员。

Honorary Lifetime Member

OCSMRM Honorary Lifetime Member 2020

Yi Wang, Ph.D.
The Faculty Distinguished Professor of Radiology, professor of Biomedical Engineering, Director of MRI Research Institute, Cornell University

1) **Quantitative susceptibility mapping (QSM)** to solve the field-to-susceptibility inverse problem using the Bayesian approach.
2) **Navigator** motion compensation to "autofocus" cardiac MRI.
3) **Large FOV fast imaging** as exemplified by stepping table platform with multiple local coils.
4) **Quantitative transport mapping (QTM)** to solve the fundamental arterial input function problem of tissue perfusion quantification using spatial deconvolution based on transport physics.

OCSMRM Handover 2020-2021

王梅云 教授

河南省人民医院影像科主任

河南省医学影像中心主任

国际医学磁共振协会理事会理事

国际神经血管疾病协会后任主席

国际医学磁共振协会精神学组2021主席

中华放射学会会员，磁共振学组副组长

国际华人磁共振协会2020-2021主席

See you next year in Vancouver, Canada!

OCSMRM Special Thanks

Dr. Zhao Wei

Dr. Zhixing Wang

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