

COINS Seminar #38

[Date] 10/29/2018 (Mon.) 16 : 00~17 : 15 (Registration Open at 15 : 30)

[Venue] Life Science & Environment research center. ([LiSE](#)) 1F Conference room

*It's located opposite side of iCONM

[Research Mixer] 17 : 15~18 : 15 ※Fee 500yen ★Please pay the exact amount.

[Registration] https://www.cis-trans.jp/coins_seminar38/index.html

Title : Molecular Imaging, Image-Guided Drug Delivery, and Theranostics

Abstract : The Molecular Imaging and Nanotechnology Laboratory at the University of Wisconsin - Madison (<http://mi.wisc.edu>) is mainly focused on three areas: 1) development of multimodality molecular imaging agents; 2) nanotechnology and its biomedical applications; and 3) molecular therapy of cancer. In this talk, I will present our recent work on molecular imaging and image-guided drug delivery of cancer and other diseases. The nanomaterials that will be discussed in this presentation may include silica-based nanoparticles, DNA nanomaterials, micelles, iron oxide nanoparticles, 2-D nanomaterials, hybrid nanomaterials, among others.

Speaker : Weibo Cai, PhD

Affiliation : University of Wisconsin - Madison, USA

Position : Vilas Distinguished Achievement Professor

URL : <http://mi.wisc.edu/>



<CV>

Weibo Cai has authored >270 peer-reviewed articles (H-index: 71). He is currently the Co-Editor-in-Chief of the American Journal of Nuclear Medicine and Molecular Imaging (<http://www.ajnmami.us>), a journal that was launched in 2011 and fully indexed in Web of Science/Emerging Sources Citation Index (ESCI). He is also the Co-Editor-in-Chief of Journal of Nanobiotechnology (<https://jnanobiotechnology.biomedcentral.com>), which has an 2017 Impact Factor of 5.294. What Dr. Cai is most proud of is that his trainees at UW - Madison have received > 100 awards to date, such as the 2012 Berson-Yalow Award from SNMMI.

<Award>

Inaugural Nano Research Young Innovators (NR45) in Nanobiotechnology (2018)
Fellow, American Institute for Medical and Biological Engineering (AIMBE) (2018)
Nano-Micro Letters (NML) Researcher Award (2018)
Plenary Lecturer, European Association of Nuclear Medicine (EANM) Annual Congress (2016)
EANM Springer Prize for Best Basic Science Paper (2013)
American Cancer Society Research Scholar (2013-2017)
Berson-Yalow Award, Society of Nuclear Medicine (as Senior Author) (2012)
EANM Springer Prize for Most Cited Paper (2011)

<Key words> Molecular imaging, drug delivery, nanotechnology, theranostics