



SAVE THE DATE

Jeudi 23 Février 2017 à 14h00
Hôpital Paul Brousse - bâtiment LWOFF

Conférence

Titre : Chemical engineering-based design and organization of liver tissues for regenerative medicine and cell-based assays

Orateur :

Professeur Yasuyuki SAKAI



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CAREER HISTORY:

Dr. Sakai received Ph.D. in chemical engineering from University of Tokyo in 1993 and started his work at Institute of Industrial Science, University of Tokyo. In 1997-1998, he stayed in University of Rochester, as a visiting scientist investigating 3D culture of bone marrow cells (Prof. David Wu's Lab). In 2003-2008, he worked as an associate professor of Regenerative Medical Engineering Laboratory at the Center for Disease Biology and Integrative Medicine (CDBIM), Graduate School of Medicine, University of Tokyo. He returned to IIS as a professor and became a director of International Research Center on Integrative Biomedical Systems (CIBiS) at IIS. He moved to the current position in September, 2015. During his research career, he got several scientific awards such as young investigator award of Society of Chemical Engineers, Japan, publication awards of Society for Bioscience and Bioengineering, Japan and Japanese Society for Alternatives to Animal Experiments. He recently became an AIMBE fellow.

SUMMARY OF PRESENT WORK:

His current research topics are engineering of multi-scale 3D tissues/organs for clinical applications and cell-based pharmacological or toxicological assays. He has been placing particular importance on simultaneous realization of good mass transfers and 3D organization of stem/progenitor cells together with various micro-technologies.