

INSTITUTE FOR INTEGRATED CELL-MATERIAL SCIENCES KYOTO UNIVERSITY

www.icems.kyoto-u.ac.jp

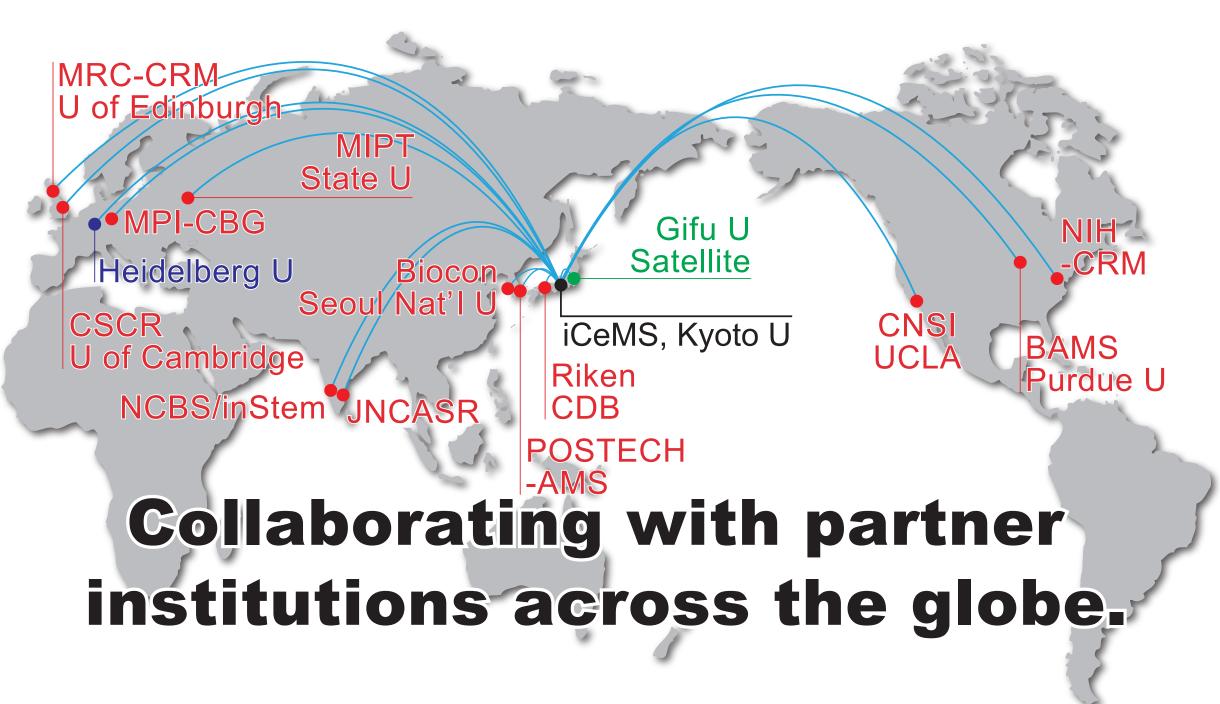
Fusing cell and material sciences.

Innovations in medicine, pharmaceuticals, the environment, and industry

Stem cell science and technology include: 1) reprogramming with chemical compounds for iPS cell derivation, 2) chemical probes for stem cell research, 3) control of ES/iPS cell growth and differentiation with chemicals and materials, and 4) creation and application of stem cell-derived disease models.

0 So to to to **Stem Cell** Mesoscopic S&T S&T Integrated Cell and **Material Sciences**

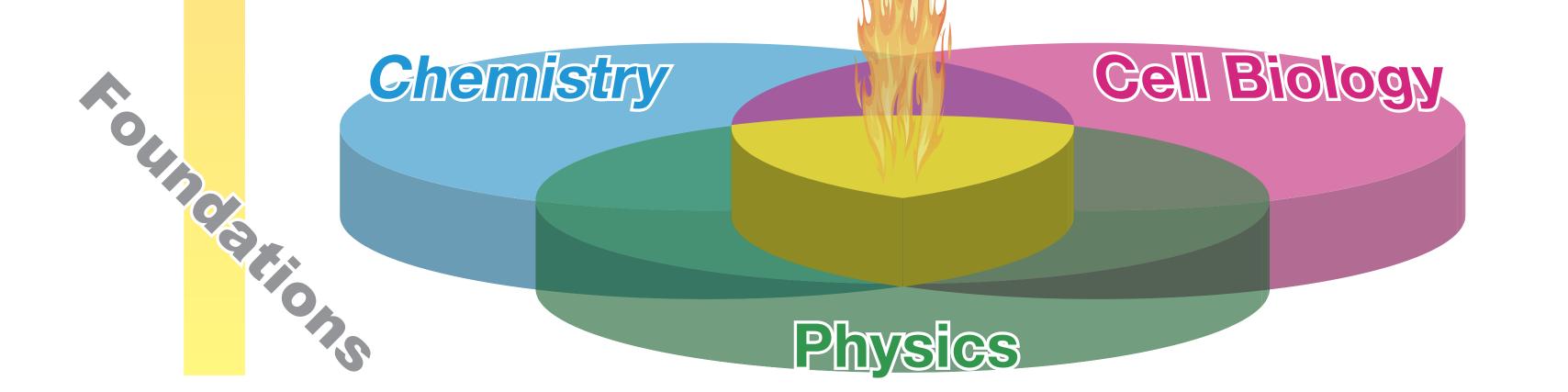
Mesoscopic science and technology include: 1) imaging and probing mesoscopic complexes in living cells, 2) production of functional mesoscopic materials (e.g., porous coordination polymers), 3) integration of mesoscopic materials and living cells, and 4) modeling, simulation, and physics theories of mesoscopic events in materials and living cells.





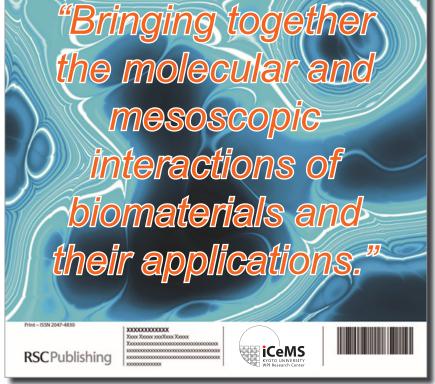
 The Royal Society of Chemistry and iCeMS launched *Biomaterials* Science. Advance articles will be





published online from August 2012.

• A joint symposium with the **Center for Life Sciences**, established in 2011 at **Tsinghua** and Peking Universities, will be held 20–22 April 2012 in Beijing. Details TBA at www.cls.edu.cn



Harnessing the power of stem cells. Creating mesoscopic science.



From left: iCeMS Complex 1 main building (Complex 2 located just a block away) iCeMS faculty and staff at its annual retreat iCeMS scientists from around the world

*Kyoto University Center for iPS Cell Research and Application

Join us at

iCeMS in Kyoto

to **create a new**

science.

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MINISTRY OF EDUCATION, CULTURE, SPORTS, SCIENCE AND TECHNOLOGY (MEXT)