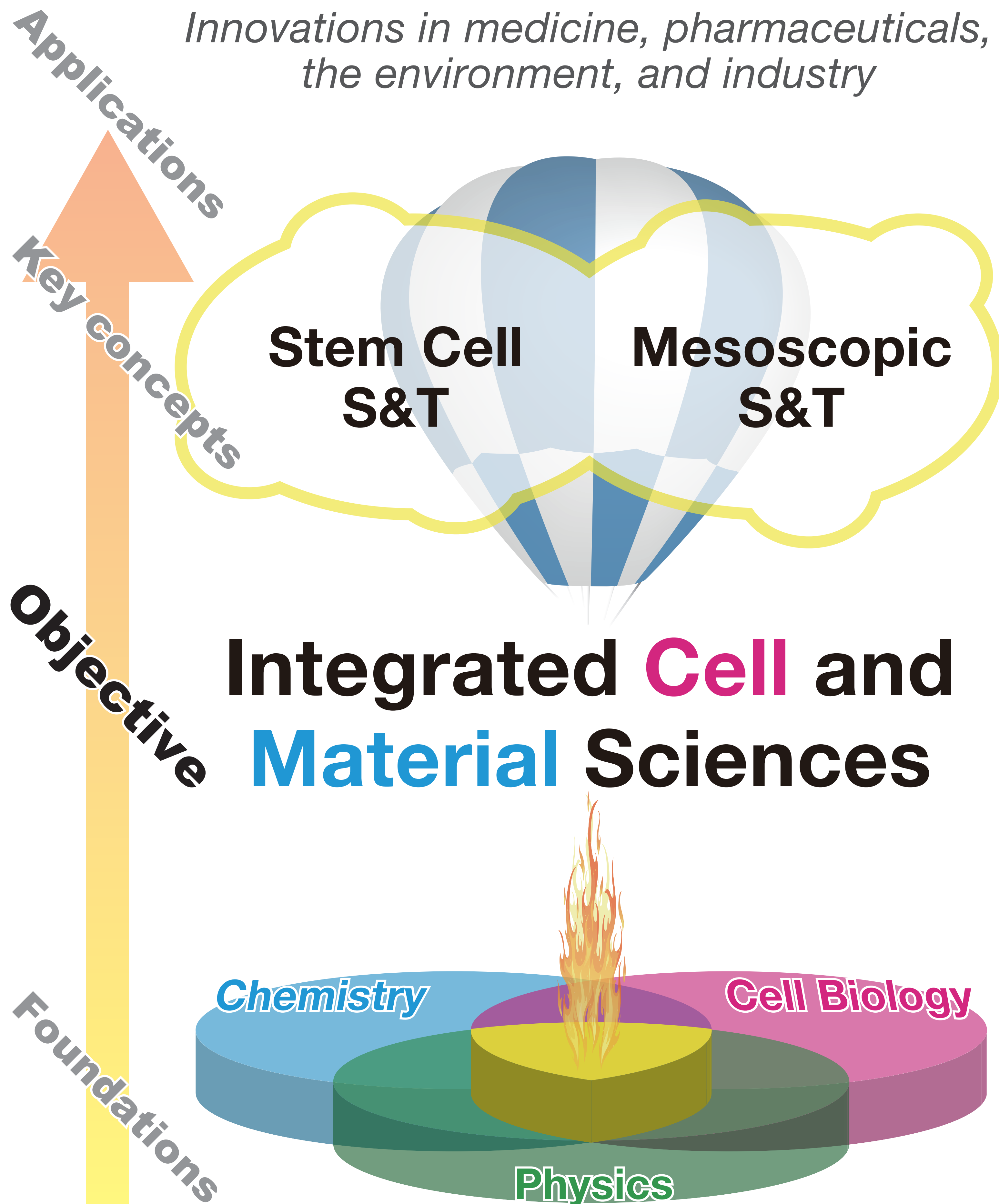


Fusing **cell** and **material** sciences.

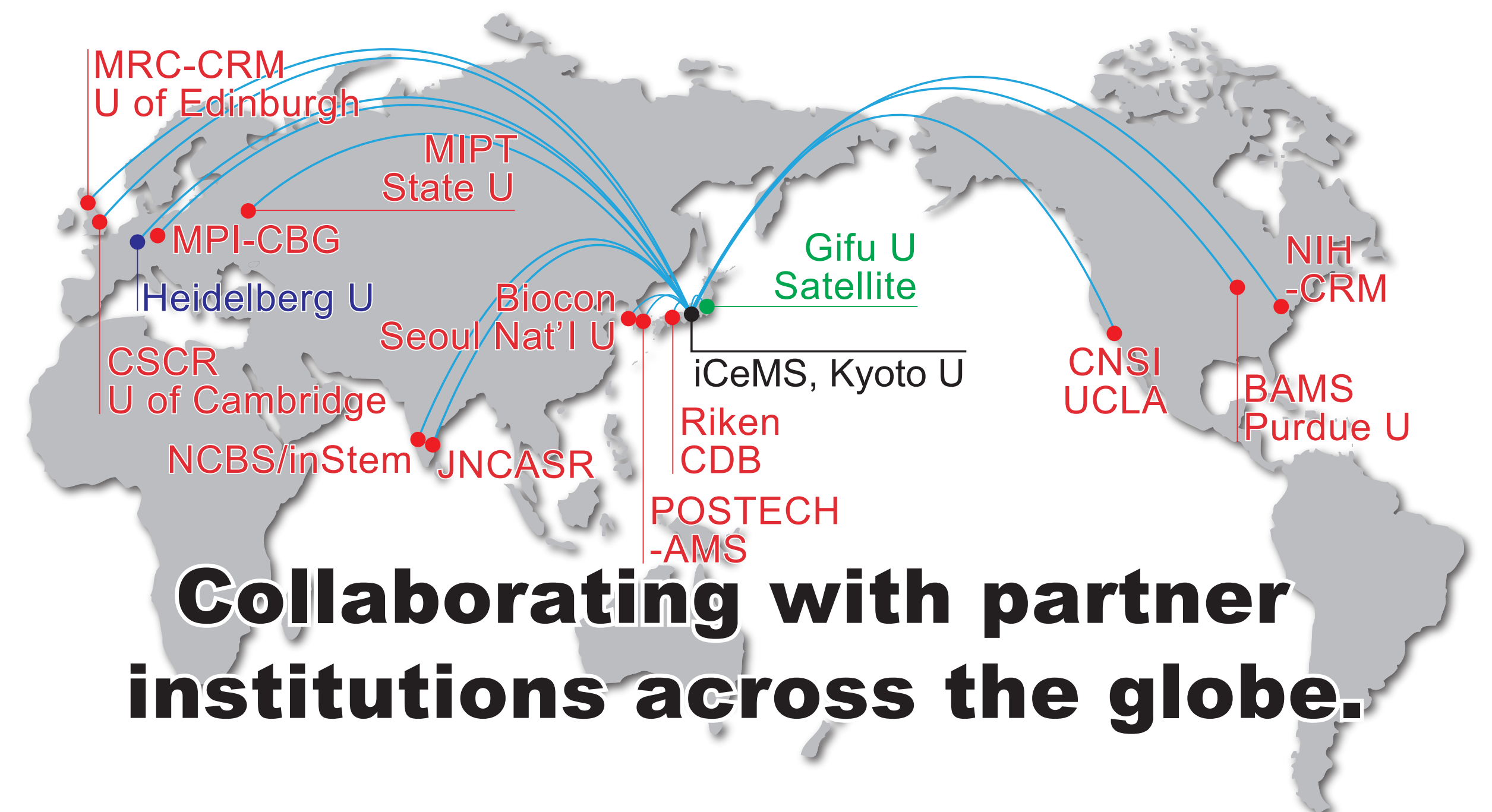
Innovations in medicine, pharmaceuticals, the environment, and industry



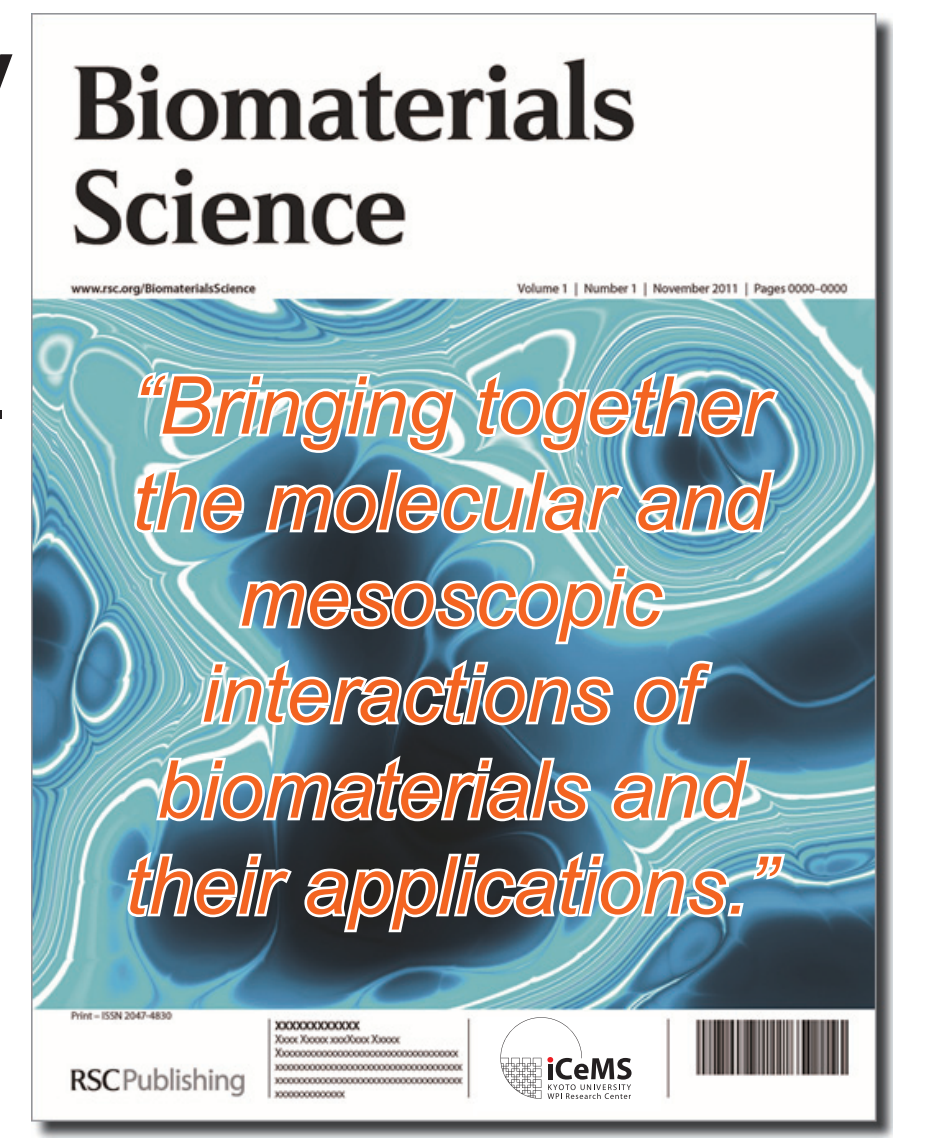
Integrated **Cell** and **Material** Sciences

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.

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.



- News & events**
- 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**.



*Kyoto University Center for iPS Cell Research and Application