

ICR News 2009

ICR Activity as the Joint Usage/Research Center (JURC)

■ Prof WATANABE, Hiroshi (Vice-Director of ICR)



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1. Matrix-Assisted Laser Desorption Ionization Time-Of-Flight Mass Spectrometry (MALDI-TOFMS)
2. Ion Storage/Cooler Ring, S-LSR
3. Intense Short-Pulse Laser System
4. GenomeNet Server
5. High Resolution Electron Spectromicroscope
6. High Resolution Magnetic Sector Field Inductively Coupled Plasma Mass Spectrometry
7. Angle-Resolved Photoemission Spectrometer
8. 800MHz Nuclear Magnetic Resonance Spectrometer

Institute for Chemical Research (ICR) has been approved by MEXT Japan as the “Joint Usage/Research Center (JURC)” for development and cooperation in chemistry-oriented research fields and will fully function as JURC from 2010. The ICR has been conducting frontier research in a wide range of chemistry-oriented fields that include particle/quantum beam science, organic/inorganic/polymeric materials science, biological science, and bioinformatics. On the basis of the significant width and depth of the research activities at ICR as well as the obvious domestic/international collaboration achievements of ICR supported by more than 40 memoranda of agreement, JURC invites the researchers outside of ICR to collaborate closely with the ICR faculty members (all concurrently belonging to JURC) and also to jointly utilize the precise/powerful/extensive instruments/facilities/databases equipped at ICR (cf., photos shown above).

Reflecting the opinions and/or requests from the researchers outside of ICR, JURC will carry out frontier and/or interdisciplinary joint research categorized in the following four classes: specific subjects chosen by JURC such as “creation of novel materials and survey of their functionalities based on elements science”, on-demand

subjects from the researchers outside of ICR, interdisciplinary subjects emphasizing development of new collaboration such as “set-up of an inter-university joint research team focusing on interdisciplinary aspects of materials analysis”, and subjects focusing on the joint usage of JURC/ICR facilities such as the ultra-high resolution solid state NMR. This activity of JURC is based on a newly founded “Collaborative Research Station” that consists of open laboratories for both in-house and external researchers involved in the JURC joint research program, research divisions of visiting professors, a management office maintaining the instruments/facilities/databases for the joint use, and the headquarters supporting both administrative and technical aspects of the joint research.

The joint research activities mentioned above ensure that JURC/ICR will serve as the core force of global research in chemistry-oriented fields and train young researchers who will sustain and develop these fields in the near future. JURC/ICR cordially invites warm and friendly support from researchers and communities in chemistry-oriented fields of science.

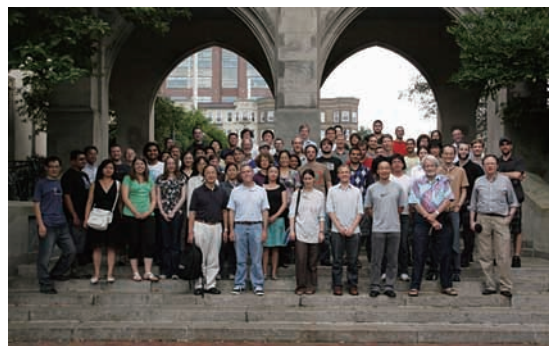
International Research and Training Program on Bioinformatics and Systems Biology

■ Prof MAMITSUKA, Hiroshi

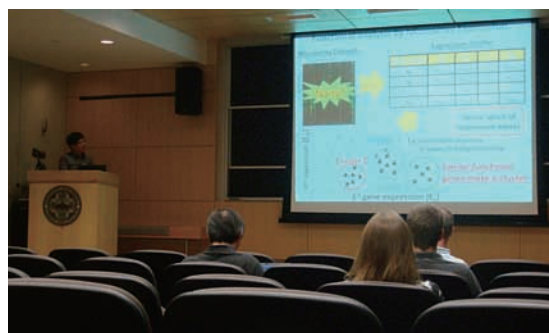
Bioinformatics Center launched JSPS International Training Program (ITP) named “International Research and Training Program on Bioinformatics and Systems Biology” at April 2009. This program supports international research/education activities of Bioinformatics Center, jointly conducted with Bioinformatics Program of Boston University and a systems biology research group in Berlin: 1) an annual workshop held in one of the three involved countries and 2) research stay of graduate students (and young researchers) in the counter-part research institutions.



A Bioinformatics Program's building (Life Science and Engineering Building, Boston University)



Participants to the 9th annual international workshop on Bioinformatics and Systems Biology (IBSB 2009)



A presentation at IBSB 2009

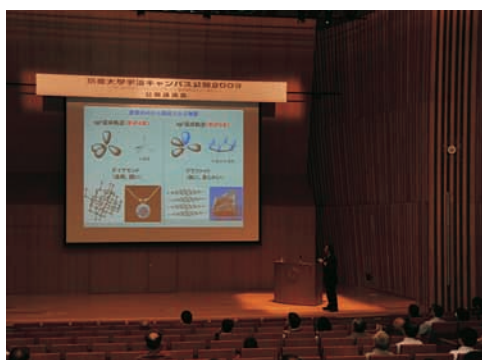
Opening of Uji Obaku Plaza



Uji Obaku Plaza

Uji Obaku Plaza opened on the 23rd of October 2009 in the Uji Campus of Kyoto University.

This new facility, with a lecture hall, restaurant, and meeting rooms, is expected to be used for research presentations and exchanges with the local community.



Public Lectures at KIHADA hall, Uji Obaku Plaza



Poster Presentation, the 109th ICR Annual Symposium at Foyer, Uji Obaku Plaza