

The 9th NIBB Bio-Imaging Forum “Imaging of Physical Properties”

Organizer: Yasuhiro Kamei,
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January 26 (Mon) - 27 (Tue), 2015

Thirteen lectures (two from NIBB members) on temperature, kinetics, and molecular movement, as well as on how these forces affect biological research, drew a total of 49 participants. This led to broad multi-disciplinary discussions on the role of physics in living systems. These physical quantities still do not draw a lot of attention in the field of biology, but it was clear that many researchers feel we are closing in on the essence of biological activity from these processes. Many lectures from fields rooted in engineering were given, and for researchers of biological systems this active gathering with members of remarkably different fields led to fresh exchange and new perspectives. In addition, because it was the first symposium on biological systems in which heat and temperature were the main themes, there was hope from the speakers that more of these kinds of opportunities will become available going forward.

(Yasuhiro Kamei)



The NIBB Genome Informatics Training Course

The NIBB Core Research Facilities organizes a series of training courses on up-to-date research techniques. In 2015 we held two training courses on Genome Informatics. The 3-day programs offer lectures and hands-on tutorials to introduce basic knowledge and skills to deal with large scale genomic data such as DNA sequence data generated by next-generation sequencing (NGS). The programs are specially designed for biologists who are not familiar with bioinformatics.

“Introduction to RNA-seq - from the basics of NGS to de novo analyses”

February 25 (Wed) -27 (Fri), 2015

- Organizer: Dr. Shuji Shigenobu (NIBB Core Research Facilities)
- Lecturers: Dr. Shuji Shigenobu, Dr. Ikuo Uchiyama, Dr. Masanao Sato, Dr. Katsushi Yamaguchi, Ms. Hiroyo Nishide, Dr. Taro Maeda
- Participants: 22 (including 3 from NIBB)
- Program:
 1. UNIX for beginners
 2. NGS basic data formats and NGS basic tools
 3. Introduction to statistics
 4. Introduction to “R”
 5. RNA-seq pipeline: genome-based and transcriptome-based approaches
 6. Multivariate statistics
 7. Exercises

“Introduction to RNA-seq - from the basics of NGS to de novo analyses”

September 9 (Wed) -11 (Fri), 2015

- Organizer: Dr. Shuji Shigenobu (NIBB Core Research Facilities)
- Lecturers: Dr. Shuji Shigenobu, Dr. Ikuo Uchiyama, Dr. Masanao Sato, Dr. Katsushi Yamaguchi, Ms. Hiroyo Nishide
- Participants: 22 (including 3 from NIBB)
- Program:

(as above)

