

Course: No. 94090 1-1-0 Topics in Translational Biomedical Informatics

The topics of this year are design, application and implication of new generation sequencing technologies available at the video-lectures provided by Harvard Medical School. All attendees are expected to study the video .lectures in advance at the following site:

<http://lpm.hms.harvard.edu/palaver/ProgramSchedule>

We will welcome all students and faculties regardless of major, to enjoy speakers, discuss hot topics, and share knowledge and experiences.

Instructors: Akihiko Konagaya, PhD (TITECH)
Takako Takai-Igarashi, PhD (TMDU)

Time and Dates:

10:45 to 12:15

Oct. 22th, 29th, Nov. 12th, 19th, 26th, Dec. 3rd in 2012

Places:

- Suzukakedai Campus: J2-1601 TV Meeting Room
- Ookayama Campus: W8E-1003 Remote Collaboration Room
- Yushima Campus: M&D Tower 23 F Common Seminar Room 3

Syllabus:

- Oct 22th Introduction of the topics in translational biomedical informatics
- Oct 29th Topics: Base calling and quality scores, Genome alignment
 - Video Lectured by Peter J. Park, PhD (1/31/11) two files
- Nov. 12nd Topics: Coverage and depth of sequencing, Design of experiments
 - Video Lectured by Peter J. Park, PhD (2/7/11) two files
- Nov. 19th Topics: NGS Technologies and Design - III
 - Video Lectured by Peter V. Kharchenko, PhD (2/14/11)
- Nov. 26th Topics: NGS - Applications and Implications
 - Video Lectured by Mark Boguski, MD, PhD (4/11/11)
- Dec. 3rd
 - Topics: NGS - Applications and Implications-II: Disease Association and Cancer genomics
 - video lectured by Peter J. Tonellato, PhD (4/18/11)
 - and NGS - Applications and Implications - III: WGA and personalized medicine

video lectured by Peter J. Tonellato, PhD (5/2/11)