C3BI Hands-on NGS course

November 6th - 17th, 2017
Hong Kong

This theoretical and practical course is aimed at researchers who would like to get the most out of their Next Generation Sequencing datasets. We will tackle several topics, encompassing theoretical NGS approaches and statistical analysis of NGS data. Ultimately, we want this course to be of immediate value to the students.

The first week of this course (Nov 6th – 10th) will be devoted to theory and practical examples for a broad audience, while the second week (Nov 13th – 17th) will be dedicated to practical analysis and hands-on for a selected group of participants.

Prospective students when registering can apply for the first theoretical week only or for both weeks. Students applying for the hands-on section will be selected based on their data and the analyses they wish to perform.

The course will be free for participants coming from the Institut Pasteur International Network, whereas all other students will pay 1000HKD if they assist to the first week and, 2000HKD if they take the whole course.

The course will be held at the University of Hong-Kong. The official language for the theoretical and hands-on session will be English. This hands-on NGS course is open to the whole Pasteur International Network, Hong-Kong Universities and Research Centers.

TOPICS

- Introduction to Linux/R
- Experimental design
- Assembly and mapping
- SNP and variant calling
- Differential analysis in NGS
- Disease association analysis

REGISTRATION

To register, please fill the application form at
https://goo.gl/forms/B6Z97Jmzr2Adgga03

For more information contact
hku-pasteur@hku.hk

FACULTY

Amel Ghouila, Bioinformatician, Laboratory of transmission, control and immunology of Infections *(Institut Pasteur Tunis)*

Cheikh Loucoubar, Head G4 Biostatistics, Bioinformatics and Modeling *(Institut Pasteur Dakar)*

Clara Tang, Research Assistant Professor, Department of Surgery *(The University of Hong Kong)*

Emna Achouri, Research Engineer, IGDA, C3BI *(Institut Pasteur Paris)*

Fatma Guerfali, Assistant Professor, Laboratory of transmission, control and immunobiology of Infections *(Institut Pasteur Tunis)*

Herbert Pang, Assistant Professor, School of Public Health *(The University of Hong Kong)*

Emeline Perthame, Research Engineer, HUB, C3BI *(Institut Pasteur Paris)*

Timothy Mak, Post-doctoral fellow, Centre for Genomic Sciences *(The University of Hong Kong)*

Christophe Malabat, Head Bioinformatics/Statistics HUB, C3BI *(Institut Pasteur Paris)*

Vincent Guillemot, Research Engineer, HUB, C3BI *(Institut PasteurParis)*

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