

HTS Science and Technology Watch Tour

Jean Imbert

TAGC UMR _ S 928, Inserm, Université de la Méditerranée, Marseille, France

<http://www.yourwebsite.org/>

I have recently performed on behalf of Inserm a Science and Technology Watch Tour on HTS in USA from March 25 to April 12, 2011 as the chairman of the Scientific Board of Inserm Workshops. These workshops are dedicated to high level and innovative training. Inserm workshops were created in 1987 with a triple objective: (i) to investigate emerging or rapidly evolving questions ; (ii) to diffuse quickly information ; (iii) to promote the rapid efficient acquisition of news techniques for a direct and immediate impact on the development of ongoing research programs in biomedical research in France. They are organized under the direction of leading international experts and with the participation of researchers, engineers, technicians and M.DS working in Academic institutes, universities, hospitals and industries. They are divided in 2 phases. Phase I presents a critical assessment, initiation and information for the best choice of research strategies. Phase II is a training session to acquire a particular technique to be used in a well-defined research project.

The tour has involved the visit of the major companies on the San Francisco Bay area in California (Applied Biosystems, Illumina, Ion Torrent, Pacific Biosciences, Complete Genomics) as well as 3 major academic genome centers (Human Genome Sequencing Center, Baylor College of Medicine, Houston TX; The Genome Center, WUSL, St Louis, MI; NIH Intramural Sequencing Center, Rockville, MD).

I will present a synthesis of my visit oriented toward the real performances of the present machines as well as on what we can expect in few months.

Relevant Web sites

1. <http://www.rh.inserm.fr/INSERM/IntraRh/RHPublication.nsf/mDisplayMotsClefsWeb?OpenForm&arg1=19&arg2=#/>
2. http://recherche.rh.inserm.fr/cgi-bin/findall?C=193&X=2&KEYWORDS=atelier&SORT_ORDER=afs:relevance|DESC-DATE|DESC&CAT=DOCUMENTATION&UNIQUE=user2
3. <http://www.rh.inserm.fr/INSERM/IntraRH/RHPublication.nsf/vPubRH/641A388D42288202C125785B004919CB?OpenDocument>