

TRACK 1 : Research and Development with and within Core Technology Facilities

TUESDAY 3rd JUNE 2014

08:00 – 09:00 REGISTRATION

09:00 – 09:15 Introduction : Christian BRECHOT – Director General, Institut Pasteur

09:15 – 10:00 Plenary Talk : Iain MATTAJ – Director General, EMBL

Title :

10:00 – 10:30 COFFEE BREAK (EXHIBITION VISIT)

SESSION 1 : Scientific Impact of Research Lab – Core Technology Facility

Collaborations - Chair : Fernando PELAEZ

10:30 – 11:00 Invited speaker : Christian CHABANNON – Centre de Recherche en Cancérologie, Marseille

Title :

11:00 – 11:15 Selected talk : The Core Center for Cell-free Expression Technologies at the Goethe University Frankfurt

Speaker : F. BERNHARD

11:15 – 11:30 Selected talk : Functional Screening of Channelopathies: an Example of Research Activity within the Electrophysiology Core Facility at the Brain and Spine Institute (ICM)

Speaker : C. DALLE

11:30 – 11:45 Selected talk : Preclinical MRI Platform: Advanced Imaging Tools for Studying Experimental Models of Neurological Diseases.

Speaker : A. PETIET

11:45 – 12:00 Selected talk : Engineering the CHO Cell

Speaker : B. Voldborg

12:00 – 12:15 Selected talk : OPPF-UK collaborative study of protein-protein interactions using synthetic binding proteins.

Speaker : J. NETTLESHIP

12:15 – 12:30 Selected talk : In vivo Tracking of Antigen Presenting Cells in Nonhuman Primates after Vaccination against HIV

Speaker : C CHAPON

12:30 -14:00 EXHIBITION VISIT (Lunchboxes)

14:00 – 14:30 Invited speaker : Manuel SERRANO – Spanish National Cancer Research Centre, Spain

Title :

14:30 – 14:45 Selected talk : Anti-Abeta and anti-tau camel single-domain antibodies: a new tool for in vivo imaging and potential diagnosis of Alzheimer's disease.

Speaker : P. LAFAYE

14:45 – 15:00 Selected talk : Volume reconstruction of biological samples by intermittent physical and virtual slicing

Speaker : B. LICH

15:00 – 15:30 Invited speaker : Spencer SHORTE – Director, Imagopole, Institut Pasteur

Title : Funding Research in Core Technology Facilities

15:30 – 16:30 Panel Discussion : The role of CTFs, from service provider to scientific collaborator

Christian Chabannon, Manuel Serrano (Chair: Fernando Palaez)

CTLS 2014 – PROGRAM DETAILS

TUESDAY 3rd JUNE 2014

16:30 – 17:00 COFFEE BREAK (EXHIBITION VISIT)

17:00 – 18:30 : Flash Presentations (5 minutes including questions)

1. Multimodal analysis of nanoparticle uptake: crossing core facility boundaries
Speaker : E. GUGGENHEIM
2. High-throughput optimization of macromolecular samples and buffer conditions using Thermofluor: a quick tool to improve protein crystallizability and characterization by SAXS.
Speaker : S. BOIVIN
3. UZH's new strategic approach to Technology Platforms
Speaker : T. TRUB
4. iMSRC: upgrading a standard automated microscope to an intelligent screening platform
Speaker : D. MEGIAS
5. Generation and genetic engineering of iPS cells to model neurodegenerative disorders: a new activity from the Cell Culture Core Facility at the Brain and Spine Institute (ICM)
Speaker : S. DUFFAURE
6. Application of live cell microscopy and bespoke image analysis solutions for the study of receptor tyrosine kinase signalling and endocytic trafficking
Speaker : J. PIKE
7. Making High End Technology and Techniques Accessible to End Users: Ups and Downs of a Core Units Programme
Speaker : F. PELAEZ
8. Glycosylation pattern of SRR1, a serine-rich surface protein of *Streptococcus agalactiae*
Speaker : T. CHAZE
9. Proteomic analysis of intact flagella of procyclic *Trypanosoma brucei* cells identifies novel flagellar proteins with unique sub-localisation and dynamics.
Speaker : M. DUCHATEAU
10. TEFOR: a distributed infrastructure establishing a unique front desk to improve its self-sustainability and acting for developing cutting-edge technologies for genome editing and phenotyping on two model species: zebrafish and drosophila
Speaker : J. DJIAN-ZAOUCHE
11. PHENOMIN the French National Infrastructure for Mouse Phenogenomics, connecting the Scientific Community, National and International Initiatives
Speaker : Y. HERAULT
12. The Centre for Gnotobiology of the Institut Pasteur and the European Consortium for Gnotobiology
Speaker : M. BERARD
13. Magnetic Resonance Imaging, new challenges for agronomy and food science: The PRISM expertise
Speaker : F. MARIETTE
14. NMR-Bio Technologies: Advanced Solutions for the Investigation of Challenging Biological Systems using NMR Spectroscopy
Speaker : E. CRUBLET
15. GDR CNRS # 3056 "ChemBioScreen" : A French network for chemical biology
Speaker : J.C. GUILLEMOT
16. The IIMCB Core Facility in the multidisciplinary research on RNA structure
Speaker : K. SKOWRONEK

18:30 – 20:00 Poster session and industrial talks

20:00 - EXHIBITION VISIT (Cheese and Wine Buffet)

CTLS 2014 – PROGRAM DETAILS

WEDNESDAY 4th JUNE 2014

09:15 – 10:00 Plenary Talk : Beatrix VIERKORN-RUDOLPH – Chair, ESFRI

Title :

10:00 – 10:30 COFFEE BREAK (EXHIBITION VISIT)

SESSION 2 : Reconciling running a CTF with conducting research as a CTF-Scientist

Chair: Ario de MARCO

10:30 -11:00 Invited speaker : Joshua RAPPOPORT – Nikon Imaging Center, Northwestern Uni., USA.

Title : Research in CTFs – a tale of two facilities

11:00 – 11:15 Selected talk : Integrated Platforms and Services for the Structural Study of Biological Targets using NMR Spectroscopy

Speaker: J. BOISBOUVIER

11:15 – 11:30 Selected talk : Nuclear Imaging of the mini-pig – an alternative model for biomedical research

Speaker : C. MALBERT

11:30 – 12:30 Panel Discussion : How scientists evolve into CTF managers; Balancing running a CTF with research - Josh Rappoport, Spencer Shorte (Chair: Ario de Marco)

12:30 -14:00 EXHIBITION VISIT (Lunchboxes)

SESSION 3 : Technological and Methodological Innovation

Chair : Lucy COLLINSON

14:00 – 14:30 Invited speaker : Alex BALL – Natural History Museum, UK

Title :

14:30 – 14:45 Selected talk : Automated methods for protein production, protein-DNA and protein-protein interaction studies.

Speaker : R. VINCENTELLI

14:45 – 15:00 Selected talk : Correlative Light Atomic Force Electron Microscopy (CLAFEM): combining force measurements with super resolution light and electronic microscopies.

Speaker : F. LAFONT

15:00 – 15:30 Invited speaker : Stephen GARNER - Mathys & Squire Intellectual Property, UK

Title :

15:30 -16:30 Panel Discussion : Technology development vs. off-the-shelf instrumentation

Alex Ball, Stephen Garner (Chair: Lucy Collinson)

16:30 – 17:00 COFFEE BREAK (EXHIBITION VISIT)

17:00 – 18:30 Poster Session and industrial talks

EVENING SOCIAL EVENT : Dinner cruise on the Seine

CTLS 2014 – PROGRAM DETAILS

THURSDAY 5th JUNE 2014

09:00– 09:45 Plenary Talk : Albert HECK – Professor, Utrecht University

Title :

09:45 – 10:15 COFFEE BREAK (EXHIBITION VISIT)

SESSION 4 : Scientific Impact of Industry – Core Technology Facility Collaborations

Chair: Joshua RAPPOPORT

10:15 -10:45 Invited speaker : Alain TROESCH – BIOASTER, France.

Title :

10:45 – 11:15 Invited speaker : John HARRIS – Nikon Imaging Center, KCL, UK.

Title :

11:15 – 11:30 Selected talk :From a vendor's perspective : providing global scientific support for label-free biophysical assays in Strategic collaborations

Speaker : K. TJARNLUND

11:30– 12:00 Invited speaker : Helen COOPER – University of Birmingham

Title :

12:00 – 13:00 CTLS Initiative Open Discussion

13:00 -13:30 CONCLUDING CHAMPAGNE COCKTAIL AND GRAND PRIZE DRAW

13:30 – 14:30 LIGHT LUNCH / LUNCH BOXES (ON DEMAND AT NO EXTRA COST)
