Bio-Conf Octobre 2015

Lu 12/10 11h SdT CRC

Séminaire Externe

Gregory BATT

(INRIA Rocquencourt)
Host: G YVERT
(gael.yvert@ens-lyon.fr)

"What population reveals about individual cell identity : Single-cell parameter estimation of models of gene expression in yeast"

Gregory works in computer science an is specialized in inferring gene network properties from single-cell data, via statistical analysis of cell population measures. If you're familiar with single-cell questions, don't miss it ! If you're not, don't miss it either: I expect his talk to be didactic and illustrate the typical questions and methods addressed around the collective properties of cell populations.

More about him here:
http://contraintes.inria.fr/~batt/home.html

Je 15/10 14h00 AP-CERVI

Séminaire Externe

Yenan BRYCESON

(Department of Medecine, Karolinska institutet, Stockholm - SUEDE)
Hôte: Thierry Walzer
thierry.walzer@inserm.fr

" Lymphocyte cytotoxicity illuminated by primary immunodeficiency "

Yenan Bryceson est un expert de l'"immunologie humaine", qui a beaucoup contribué à la compréhension des syndromes inflammatoires qui surviennent chez les patients souffrant d'un défaut de cytotoxicité NK et CD8. Il s'intéresse également beaucoup à différents types d'immunodéficiences et aussi à des infections comme CMV/hantavirus etc et fait beaucoup d'immunomonitoring à l'hopital.

Ve 16/10 11h SdT CRC

Séminaire Externe

Gaëlle LEGUBE

(Université P. Sabatier, Toulouse III)

"Function of chromatin during DNA Double Strand Break repair"

Lu 19/10 11h00 SdT CRC

Séminaire Externe

Maurijn Van der ZEE

(Univ. Leiden)

"Extra-embryonic membranes provide the insect egg with a potent innate immune response"

Lu 19/10 9h00-12h30 IBCP Conf.

mini-Symposium "hepatitis viruses"

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mini-Symposium

Contact: François Penin (IBCP)
françois-Loïc Cosset (CIRI)

Nous avons le plaisir de vous informer que nous organisons un mini-Symposium "hepatitis viruses" le lundi 19 Octobre 2015 de 9h00 à 12h30 en salle de conférence de l'IBCP pour accueillir trois éminents scientifiques :

- Charles M Rice, Université Rockefeller, New York, USA
(http://www.rockefeller.edu/research/faculty/labheads/CharlesRice/)

- Daniel Lamarre, Université de Montréal, Canada
(http://www.recherche.umontreal.ca/la-recherche-a-ludem/la-vitrine-des-professeurs/informations/chercheur/1110/pid/307/)

- Jin Zhong, Institut Pasteur de Shanghai, Chine
(http://english.shanghaipasteur.cas.cn/rh/ru/VIRAL/201003/t20100324_52132.html)

Les présentations seront suivies d'un buffet à l'IBCP de 12h30 à 14h00, et les personnes/équipes qui le désirent pourront rencontrer individuellement les orateurs de 14h00 à 17h30.
L'inscription à ce symposium est gratuite mais obligatoire avant le 1ier Octobre. Inscrivez-vous auprès de f.penin@ibcp.fr

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Je 22/10 11h00 IBCP conf. Dr. Guzmán ÁLVAREZ

"Multiple rational approaches in research for bioactive molecules"

External seminar

(Laboratory of Bioactive Molecules, "Dr. Mario A. Cassinoni" Experimental Station, Paysandú, Uruguay)
invited by Christophe Guillon.

Research and drug development is a long and expensive process that costs the pharmaceutical industry about 15 years and an investment of millions of dollars. In the drug development process, some general steps can be identified: the discovery of the molecule with biological activity, the optimization of these molecules, the /in vivo/ studies in animal models, and stages of toxicological studies. For the first steps i.e. the discovery of the bioactive molecule, we use multiple rational approaches. These approaches include: theoretical simulation, screening on isolated targets and phenotypical assays. We use three type of compounds: virtual compound (designed based on the bibliography), synthetic compounds and natural extracts. When we find one bioactive molecule, we start a bio-guided design process and hybrid molecules design. These two approaches give us a large percentage of molecules with potent bioactivity. After that, we continue with the drug development process through preclinical studies, and in the case of Animal Health we can reach the stage of clinical studies.

Ma 27/10 10h00 IBCP conf. Dr Evy LUNDGREN-AKERLUND

"Integrin alpha10beta1, an identity and potency marker of chondrocytes and chondrogenic mesenchymal stem cells"

External seminar

(Chief Executive Officer, Xintela AB, Lund, Sweden)
invited by Frédéric Mallein-Gerin.

The integrin α10β1 was originally identified as a collagen type II-binding receptor on chondrocytes and has been shown to be unique marker of identity and potency of these cells. Later on it was found to be expressed by Mesenchymal Stem Cells (MSCs) and that treatment of MSCs with FGF-2 increased the expression of this integrin and also increased the chondrocyte differentiation potential of the MSCs. Recent work has demonstrated that integrin α10β1 can identify a subpopulation of MSCs with high chondrogenic differentiation potential. The seminar will present some background information about the integrin as well as results from chondrocytes and MSCs and the use of this marker in regenerative medicine will be discussed.

Code lieu	
SdT CRC	*Salle des Thèses Chantal Rabourdin-Combe*
ss LR5	*Salle de Réunion du Sous-sol LR5*
CBP-LR6-23	*salle CO23 du CBP rez-de-chaussée LR6*
AP-CERVI	**Amphi Pasteur CERVI **
IGFL 063 rdc	*Salle 063 au RDC de l'IGFL*
IBCP Conf.	*IBCP Confernce Room level -1*

* **carte d'identité obligatoire pour entrer sur le site**

A Venir

Me-Ve	18-20/11/2015	9h00	**Lyon SysBio 2015**	http://lyonsysbio2015.sciencesconf.org/?lang=en

International conference

Contact: François Briat (francois.briat@ens-lyon.fr)

LyonSysBio is the yearly international conference organized by BioSyL (http://lyonsysbio2015.sciencesconf.org/?lang=en), the Systems Biology Alliance of Lyon.
Its goal is to promote exchanges between scientists from different fields (biology, mathematics, computer sciences, physics, social sciences…) interested in the analysis of the wealth of data generated by modern biology, as well as the construction of the necessary modeling tools to gain system level thoughtful insights.
In 2015, the conference will be held from the 18th to the 20th of November in Lyon. It will be dedicated to discussions around the 4 following themes: systems immunology, cell differentiation, a systems view on genotype-phenotype relationship and microbiological systems biology. Keynote lectures will be delivered by the following speakers:
Gregoire Altan-Bonnet (MSK cancer center, New-York)
Becca Asquith (Imperial College, London)
Chris Bakal (Institute of cancer research, London)
Sckjoon Jun (University of California, San Diego)
James Locke (University of Cambridge)
John Marioni (European Bioinformatics Institute, Cambridge)
Carsten Peterson (Computational Biology & Biological Physics, Lund University, Sweden)
Andreas Wagner (IEU, University of Zurich)