

**CINBIOS**  
**Centre de BioInformatique et BioModélisation**  
**Université Libre de Bruxelles**

**3rd scientific meeting**  
Monday January 12, 2009  
Salle Solvay, 2NO.507, Campus Plaine

**Program**

9h30 - 10h10 : **Patrick Meyer** (*Machine Learning Group*)

Information-Theoretic Variable Selection and Network Inference from  
Microarray Data

10h10- 10h50 : **Decio Eizirik** (*Laboratoire de Médecine expérimentale*)

Use of a systems biology approach to understand pancreatic  $\beta$ -cell death in  
Type 1 diabetes

10h50-11h10 : Coffee break

11h10-11h50 : **Pierre Gaspard** (*Service de Physique non-linéaire et Mécanique  
statistique*) Molecular motors and statistical thermodynamics

11h50-12h30 : **Tom Lenaerts** (*Machine Learning Group*)

Protein domains as information processing units

12h30-14h : Lunch

14h00-14h40 : **François Englert** (*Service de Physique théorique*)

The 24 near-instabilities of Caspar-Klug viruses

14h40-15h20 : **Peter van der Gulik** (*Centrum Wiskunde & Informatica,  
Amsterdam*) The missing link between prebiotic amino acids and early  
proteins

15h20-15h40 : Coffee break

15h40-16h20 : **Wassim Abou-Jaoude** (*Unité de Biologie théorique et  
computationnelle*) Oscillations, variability and frequency tuning in the p53-  
mdm2 network

16h20-17h00 : **Christos Sotiriou** (*Laboratoire d'Hématologie expérimentale*)

How to integrate the emerging science into clinics ? Microarray techniques -  
are they ready for use ?