



### FMI director Susan Gasser receives highly esteemed Inserm International Prize

**Dec 2011.** Susan Gasser, director of the Friedrich Miescher Institute for Biomedical Research of the Novartis Research Foundation, receives today the highly esteemed Inserm Prix International in Paris, for her outstanding scientific contributions to the field of epigenetics. She is honored for her lifetime achievements, which contribute to our understanding of the genetic processes that drive cancer, cell type differentiation and aging. Since 2004, the Inserm Prix International has been awarded by the Institut National de la Santé et de la Recherche Médical in Paris.

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### Review SystemsX.ch Conference

#### Medically Relevant Systems Biology

*A comment by Nico Battich, University of Zurich*  
 The conference provided an opportunity for people around the world to discuss current and future research involving systems and synthetic biology. In the first section of the conference two talks particularly highlighted the challenges and the potentials of a systems biology approach to medicine.  
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#### Synthetic Biology

*A comment by Sven Dietz*  
 The synthetic biology session covered a variety of topics ranging from fundamental research to industrial applications. Of particular interest in this session was the broad range of applications of synthetic biology methods showing how advances produced over the past years are successfully being applied to solve real world problems and opening possibilities for research and industry.  
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### The HUPO Award goes to . . .

**Sep 2011.** Prof. Amos Bairoch, Director of the Structural Biology and Bioinformatics Department at Geneva University, and Group Leader at the SIB Swiss Institute of Bioinformatics, will receive the «HUPO Distinguished Achievement Award in Proteomic Sciences» on 7 September. This Award honours Prof. Bairoch for his outstanding career in the field of protein sequencing, particularly for the development of diverse resources such as the worldwide renowned Swiss-Prot database.  
[Read more](#)



### SIB Bioinformatics Course - Register Now

**Probability Theory and Network Inference**  
**Tuesday 8 - Friday 11 November 2011 - Basel**  
 Recent developments on the foundations of probability have lead to a theory that unites methods from statistics, statistical inference, information theory and Bayesian statistics into an integrated framework. The purpose of this course is to familiarize bioinformatics students with this general theory in the context of concrete applications in Bioinformatics. The course will cover all the basic theoretical methods and illustrate each of them with examples from the day-to-day praxis in Bioinformatics.  
[Read more](#)  
[Registration](#)



### SystemsX.ch IPP paper published in Nature

**Aug 2011.** Paper *High plant diversity is needed to maintain ecosystem services* from the SystemsX.ch IPP *Plant interaction networks* published in Nature.  
[View Article](#)



### 3 Postdoctoral and 1 Senior Researcher Position - Network/Systems and Computational Biology - Linding Lab, Technical University of Denmark

The [Linding Lab](#) at the [DTU \(Technical University of Denmark\)](#) is opening four positions in the lab. Links to the full adverts are below

The positions are available immediately and the application deadline is Sep 12th. Information about application procedure and description of the projects can be found at the DTU website.

- [SENIOR RESEARCH ASSOCIATE - Computational Biology & Bioinformatics](#)
- [International postdoc in Systems Biology: "Network medicine approach to cancer progression"](#)
- [International postdoc in Evolutionary Network Biology: "Evolution of the JNK Phosphorylation Network"](#)
- [International postdoc in Systems Biology: "Multivariate Dynamics of the JNK Phosphorylation Network in Complex Diseases"](#)

More information can also be found at [www.lindinglab.org/jobs](#) and [www.lindinglab.org/research](#)



### Current Job Opportunities - Systems Biology Ireland

**Jun 2011.** Systems Biology Ireland advertises several posts.  
[Download the full advert](#) for more information



### 9th [BC]2 Basel Computational Biology Conference «Multiscale Modeling» on June 23 & 24, 2011

**May 2011.** [BC]<sup>2</sup> is the annual scientific symposium of the SIB Swiss Institute of Bioinformatics. This year's meeting will focus on the latest ideas and results on problems related to multiscale modeling and simulation. Participation at [BC]2 will be a prime opportunity to learn about cutting-edge research in Computational and Systems Biology, and to network with other members of our community.  
[More information](#)



### How does an embryo make organs with a precise size

**Mar 2011.** Nature has ensured that the proportions of our limbs are respected, whether we are meant to be tall or short. One of the puzzling questions in developmental biology is how growth and patterning of tissues is controlled. Addressing this issue also helps to understand how the lack of coordination between growth of the tissue and specialization of its constituent cells leads to malformations. A team led by Marcos Gonzalez-Gaitan, professor at the University of Geneva, discovers a growth control mechanism that regulates the size of the tissue. The scientists unveil how molecular actors named morphogens determine the dynamics of proliferation in developing organs. The authors of this study, published in the March 4th 2011 edition of *Science*, are currently investigating whether such a "growth rule" could explain some conditions leading to tumor development.

### Pfizer Research Prize 2011



**Feb 2011.** Three researchers working on the SystemsX.ch RTD project "Neurochoice", were awarded the coveted Pfizer Research Prize. Professor Fritjof Helmchen and Dr. Benjamin F. Grewe of the University of Zurich received the prize for their work "Observation of neuronal network activity by fast laser-scanning". Dr. Kelly R. Tan from the University of Geneva, was awarded for her work on "Benzodiazepine dependence", published in "Nature" (February 2010).  
[More Information](#) (German or French only)

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