

ESMTB Infoletter

August 2008



www.esmtb.org

Dear colleague

with this ESMTB Infoletter you receive information about conferences, workshops, schools and open positions. Please send relevant information to be included in the next ESMTB infoletter to info@esmtb.org.

Best regards, Andreas Deutsch
Dresden, 15th of August 2008

Conferences

ECCB Satellite Meeting on Probabilistic Modelling in Computational Biology (PMCB 2008) at Cagliari, Sardinia

Date: 2008-09-22 to 2008-09-22

The extraction of an improved biological understanding from genome-scale quantitative measurements, like microarray data, has become a very active area of bioinformatics research. The integration of data necessary for the intelligent exploitation of contextual information provides a considerable challenge. As recent work demonstrates, probabilistic approaches prove to be promising, flexible tools in this endeavour. The satellite meeting will explore current advances and open issues in sessions presenting novel developments contributed by participants and introduced by invited talks from leading researchers in the field.

This meeting follows the successful ISMB/ECCB affiliated PMCB 2007 workshop, proceedings and photos of which can be found at <http://bioinf.boku.ac.at/pmcb2007/>.

<mailto:http://bioinf.boku.ac.at/pmcb/>

Open Positions

Research Fellowship (Bolsa de Investigacao BI) at University of Évora, Portugal

Deadline for applications: 2008-08-25

Duration and Conditions: The initial duration is 12 months starting October 1, 2008 in exclusivity (no accumulation with any other paying

Job), according to the Regulations on the Advance Training of Human Resources of FCT (Foundation for Science and Technological, a Portuguese governmental foundation) that can be seen in fct.mctes.pt/pt/apoios/formacao/ambitoprojectos and the Regulations of Research Fellowships of the University of Evora, Statues of the Research Fellows and other rules and legislation in force. The scholarship can be extended for an equal period or up to the closing date of the Project.

The granting of the Research Fellowship will be the object of a contract between the University of Evora and the research fellow according to the Regulations mentioned above and legislation in force.

The tasks are related to the modelling by stochastic differential equations of the growth of individual organisms (animals or plants) from birth to maturity in an environment subject to random fluctuations. Besides the mathematical study of the models, it also involves their adjustment to real data (we have already extensive data on bovine growth) with the associated issues of (parametric and non-parametric) statistical estimation and prediction, as well as the application of the models in solving optimization problems in cattle raising and agriculture.

The candidates are expected to have cumulatively: An undergraduate degree in the general area of Mathematics, with a strong component in Probability and Statistics. Experience in data analysis (using statistical and mathematical software and being able to write the computer code in an appropriate computer language when necessary). Basic knowledge in stochastic processes. Proficiency in the English language, spoken and written.

Documents required for the application: Applications can be sent by regular mail or by e-mail. The

candidate should provide proper identification, a curriculum vitae, photocopy of the certificates of academic degrees and of detailed academic records, and up to two letters of recommendation. The application should be sent to the care of:

Prof. Carlos Braumann
 Departamento de Matematica
 Universidade de Evora
 Rua Romao Ramalho, 59
 7000 671 Evora
 Portugal
 e-mail: braumann@uevora.pt

Please contact: Prof. Carlos Braumann
<http://www.dmat.uevora.pt/ensino/dm/dme/dme>

Two 5-years research positions at Center of Applied Mathematics at the University of Porto

Deadline for applications: 2008-09-10

The Faculty of Sciences of the University of Porto (FCUP) invites applications for two 5-years research positions, in Statistical Analysis and Applications, in particular in Statistical Computation, Signal and Data Analysis. The successful candidates will develop their research activities at the Centre of Mathematics of the University of Porto (CMUP).

Job description:

The research positions are aimed at developing research in Statistical Analysis and Applications, attending substantive applications in diverse fields. The appointments at FCUP (<http://www.fc.up.pt>) will be made for up to five years, renewed yearly. The positions will be held at CMUP (<http://www.fc.up.pt/cmup/>).

The researchers should have a strong interdisciplinary background with interests in Applied Mathematics. They are expected to develop research within the existing related areas and working case studies at CMUP (Signal Processing and Data Analysis and Numerical Analysis, Probability and Statistics) through novel, computational approaches and tools for the analysis of complex data and signals, such as those arising from the health and biological sciences, engineering, economics and finance.

In addition to their research work, the successful candidates are expected to:

- participate in the supervision of PhD/Master thesis and lecture on the area FCUP post-graduate programs;
- participate in CMUP seminars, promoting regular group seminars and organizing advanced lecture series;
- participate in the organization of national/international workshops and conferences;
- collaborate in the establishment of targeted research programs in networking frameworks, ongoing activities to promote the public awareness of science and specialized consultancy.

Deadline for applications: September 10, 2008

Please contact: João Nuno Tavares
<http://www.eracareers.pt/opportunities/index.aspx?task=showAnuncioOportunities\&jobId=10139>

Assistant- PhD student in Systems Biology / Life Sciences at University of Luxembourg

Deadline for applications: 2008-09-30

The University of Luxembourg has vacancies in its Faculty of Science, Technology and Communication for a Assistant- PhD student in Systems Biology / Life Sciences (3-years contract, renewable, starting October 2008 or later)

Systems biological methods shall be used to investigate the systemic properties of inflammatory signalling networks in mammalian cells. Therefore a Boolean (logical) model of inflammatory signal transduction pathways shall be developed to predict and verify experimental data, to examine the structure and hierarchy of the networks and to analyze the relevance of the contained components.

Interested candidates are asked to send their full application (letter of motivation, detailed CV, copies of diploma, photo) until September 30th, 2008 by e-mail to thomas.sauter@uni.lu.

Please contact: Thomas Sauter
http://www.isr.uni-stuttgart.de/~sauter/OpenPosition_PhD.0708.pdf

**Post Doc in Systems Biology / Life Sciences
at University of Luxembourg****Deadline for applications: 2008-09-30**

The University of Luxembourg has vacancies in its Faculty of Science, Technology and Communication for a Post Doc in Systems Biology / Life Sciences (3-years contract, renewable, starting October 2008 or later)

Within systems biology detailed mathematical (ODE) models based on molecular interactions are widely used to analyze mammalian signalling networks. Global sensitivity methods (variance

based) shall be implemented and applied to analyze the pro- and anti-apoptotic signalling in mammalian cells. This will help to identify the hub proteins within this network which will be promising targets for pharmaceutical strategies.

Interested candidates are asked to send their full application (letter of motivation, detailed CV, copies of diploma, photo) until September 30th, 2008 by e-mail to thomas.sauter@uni.lu .

Please contact: [Thomas Sauter](mailto:thomas.sauter@uni.lu)

http://www.isr.uni-stuttgart.de/~sauter/OpenPosition-PostDoc_0708.pdf