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Call for Papers in Cancer Genomics

The editors of Genome Research are seeking submissions of manuscripts offering novel biological insights gained from genomic analyses of cancer, including, but not limited to, functional genomic analyses of cancer genes, large scale cancer epigenomics, advances in technology of significant utility in cancer genomics studies and in the computational biology of cancer. We expect to coordinate the publication of these research, methods and resource reports in a Special Issue to appear in Autumn 2011.

If you would like your work to be considered, please submit online on or before May 1st, 2011 at Genome Research (http://submit.genome.org/) and include keywords “Cancer Genomics.”

When considering submission to Genome Research, please note Genome Research now ranks third amongst primary research journals in Genetics & Heredity, and is one of the top ten Molecular Biology journals. In addition to its high impact, Genome Research has rapid manuscript turn-around—on average less than 30 days—and posts accepted preprints online within hours. Genome Research remains committed to the community it serves, setting standards in data quality and accessibility, and offering an Open Access option for authors.

Please visit Genome Research (http://genome.org/) online for additional information about the journal. For more information about submitting your Cancer Genomics papers to Genome Research, please contact Executive Editor, Hillary Sussman: hsussman@cshl.edu
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Experience in computationally intensive data analysis is essential, as is the ability to quickly code reliable software implementing the statistical algorithms developed. Strong initiative, excellent communication skills, and reception of a PhD or equivalent doctorate in statistical genetics, statistics, bioinformatics, computer science, mathematics, physics, any field of engineering, or an equally quantitative field within four years prior to the start date are also absolutely necessary. The following qualities are desirable but not required: working knowledge of statistical genetics; familiarity with R, S-PLUS, Mathematica, C, Fortran, and/or LaTeX; experience in a UNIX or Linux environment.

To apply, send a PDF CV that has contact information of three references to dbickel@uottawa.ca, with “Statistics Postdoctoral Fellowship” and the year of your graduation or anticipated graduation in the subject field of the message. In the message body, concisely present evidence that you meet each requirement for the position and describe your most significant papers and software packages with summaries of how you contributed to them. All applicants are thanked in advance; only those selected for further consideration will receive a response.
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Genetics 2011

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- Disease genetics
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Keynote Speaker: Tom Hudson, Ontario Institute for Cancer Research, Canada

Other Speakers:
- Andrea Califano, Columbia University, USA
- Peter Campbell, Wellcome Trust Sanger Institute, UK
- Elias Campo, University of Barcelona, Spain
- Lynda Chin, Dana-Farber Cancer Institute, TCGA, USA
- Arul M. Chinnaiyan, University of Michigan, USA
- James J. Collins, Boston University, USA
- James R. Downing, St. Jude Children’s Research Hospital, USA
- Giulio F. Draetta, Dana-Farber Cancer Institute, USA
- Andy Futreal, Wellcome Trust Sanger Institute, UK
- Stacey Gabriel, Broad Institute, USA
- Levi A. Garraway, Dana-Farber Cancer Institute, USA
- Caddy Getz, Broad Institute, USA
- Todd R. Golub, Broad Institute, USA
- Iya G. Khalil, Gene Network Sciences, USA
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- Richard Wilson, Washington University School of Medicine, USA
- Meredith Yeager, Core Genotyping Facility, USA
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- Integrative Cancer Genome Projects
- Genome Technologies: Current State and 3rd Generation
- Cancer Genome Analysis: Bioinformatics
- Cancer Genome Analysis: Algorithm Development and Network Modeling
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- Beyond the Genomes
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- Workshop 3: Late-Breaking Developments

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The Luxembourg Centre of Systems Biomedicine (LCSB) is an interdisciplinary research centre at the University of Luxembourg. The LCSB is accelerating biomedical research by closing the link between systems biology and medical research. Collaboration between biologists, medical doctors, computer scientists, physicists and mathematicians is offering new insights in complex systems like cells, organs, organisms or human populations. The University of Luxembourg is a multilingual, international research University.

The University of Luxembourg seeks outstanding postdoctoral research associates for the newly established Luxembourg Centre of Systems Biomedicine (LCSB), to participate in a strategic cooperation with the Institute of Systems Biology (ISB) in Seattle.

**Research Associate in Computational/Systems Biology (m/f)**

**Ref. I1R-DIR-PAU-08PBPR**

5-year-fixed term contract

Employee status, full-time

**Fields of Research:** The candidates will join collaborative groups to carry out research in the area of systems and computational biology, bioinformatics with a special focus on the analysis of disease-related networks.

**Mission:** The LCSB will be highly interdisciplinary research centre, integrating experimental biological and computational biology approaches in order to develop the foundation of a future predictive, preventive and personalized medicine. The candidates will contribute to the development of the LCSB by participating in a 5-year training and knowledge transfer program with ISB. They will spend a total of two years in residence in Seattle and return to potential positions at the LCSB in Luxembourg.

**Profile:** Qualified applicants must have a minimum of a MS degree in one of the above-mentioned disciplines (PhD, Postdoc strongly preferred) and at least two years research experience in one or more of the disciplines listed above. Candidates with a strong background in Mathematics, Physics or Informatics are particularly encouraged to apply.

**Offer:** The University offers highly competitive salaries based on the candidate’s experience and is an equal opportunity employer. Applicants should send their detailed CV, publication list, and references in English preferably in electronic form to katrin.ollenberger@uni.lu no later than May 6th, 2011. All applications will be handled in the strict confidence.

For further information, please contact:
Prof. Dr. Rudi Bailing, rudi.bailing@uni.lu
Director of the Luxembourg Centre of Systems Biomedicine

**Postal address:**
University of Luxembourg
Luxembourg Centre of Systems Biomedicine
162, avenue de la Félencerie
L-1511 Luxembourg
Luxembourg
www.lcsb.lu

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The University of Luxembourg invites applications for the following vacancy in its Faculty of Science, Technology and Communication.

**Professor or Associate Professor in Computational Biology (M/F) – focus on stochastics, probabilistics and biostatistics**

**Ref. F1-100038**

Employee status, full-time

Start date: 01/09/2011

**Mission**

- Teaching activities: Biostatistics, complex trait genetics, stochastics of biological systems in the Bachelor in Life Sciences as well as in the Master in Integrated Systems Biology
- Contribute actively to the development of research within the University’s strategic research priority in “Life Sciences” by contributing his/her expertise in computational biology specifically in areas such as stochastic and statistical analysis of complex biological systems, mathematical and computational methods for probabilistic and stochastic modelling of biological systems and network analysis.
- Collaborate with other research teams of the Research Unit and with the new Interdisciplinary Center CSBL “Center for Systems Biology Luxembourg”

**Profile**

- PhD in applied mathematics, physics, engineering, computer- or biosciences
- Master or equivalent in Chemistry or Biochemistry
- Post-doctoral experience of at least five years.
- Strong publication record in computational and systems biology, specifically in the area of stochastic and statistical analysis of complex biological systems, model building and network analysis

The University of Luxembourg is set in a multilingual context. It is desired that the successful candidates will have a working knowledge in addition to English in at least one of the following languages: French and German. However, it is also possible to obtain proficiency in a second language after being hired as the University provides access to language classes. A basic knowledge of French has to be acquired during the first two years. For more information please contact Prof. Dr. Rudi Bailing, rudi.balling@uni.lu, Director of the Luxembourg Centre of Systems Biomedicine, www.lcsb.lu.
Tenure-track Faculty Positions in Population, Quantitative, Computational, and/or Evolutionary Genetics, College of Agricultural and Life Sciences, University of Wisconsin-Madison

The College of Agricultural and Life Sciences at the University of Wisconsin (UW)-Madison has long been a world leader in experimental and theoretical population and quantitative genetics. To continue to build strength in these areas, we seek to hire two tenure-track assistant professors in the areas of population, quantitative, computational, and/or evolutionary genetics. Candidates for these positions will be considered in three broad research areas:

Integration of population genetics and genome-scale approaches to elucidate evolutionary mechanisms within and between populations

Quantitative genetics of economically important animals or crops

Integration of experimental, computational, and/or theoretical approaches to population and quantitative genetics

In addition, the successful candidates will help to promote a deeper and more profound understanding of population, quantitative and evolutionary genetics in UW undergraduate and graduate students. Faculty members hired through the initiative will be expected to spend part of their teaching efforts in courses that serve departmental needs and part of their efforts in courses that serve a broader college-wide and campus-wide community.

Areas of interest include experimental and theoretical research that draw fundamental insights into the connections between molecular function and genetic variation, experimental evolution, ecological genetics, and research that addresses emerging issues in human health, ecology, natural resources or food security; and quantitative and computational approaches that foster genetic improvement of agriculturally important animals or crops. Four departments have worked collaboratively to outline the vision and needs for the initiative: Agronomy, Animal Sciences, Entomology, and Genetics. Each faculty position will be located in one of these four departments.

The successful candidates will be capable of developing a strong, independent, extramurally-funded research program; developing an innovative undergraduate and graduate teaching program; building collaborative relationships in research and instructional programs; and contributing to service and outreach functions of the Department, College, University and professional societies.

Earned doctorate with expertise in population, quantitative, computational, and/or evolutionary genetics is required. Postdoctoral experience is highly desirable. Interested individuals are welcome and encouraged to contact Professor Irwin Goldman directly by phone at (608) 262-7781 or by email at ilgoldma@wisc.edu to discuss this position opportunity.

**HOW TO APPLY:** Send CV, a 1-2 page statement of research interests and plans, a statement of teaching philosophy, and arrange to have three letters of reference sent to Dr. Irwin Goldman, pvl6521, by mail to CALS/UW-Madison, 240 Agricultural Hall, 1450 Linden Drive, Madison, WI 53706 OR electronically to pvl6521@cals.wisc.edu.

Applicants can find further information on the Evolution Institute web site at [www.evolution.wisc.edu](http://www.evolution.wisc.edu) or each of the four departmental websites:

- **Agronomy:** [http://agronomy.wisc.edu/](http://agronomy.wisc.edu/)
- **Animal Sciences:** [http://www.anisci.wisc.edu/](http://www.anisci.wisc.edu/)
- **Entomology:** [http://www.entomology.wisc.edu/](http://www.entomology.wisc.edu/)
- **Genetics:** [http://www.genetics.wisc.edu/](http://www.genetics.wisc.edu/)

Applicants furnishing all materials by March 31, 2011 will receive priority in consideration.

**NOTE:** Unless confidentiality is requested in writing, information regarding the names of applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

*The College of Agricultural and Life Sciences views recruiting women and minority faculty members as central to its strategic goals. The University of Wisconsin is an Equal Opportunity and Affirmative Action Employer.*
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The Center of Cancer Systems Biology is part of the National Cancer Institute’s Integrative Cancer Biology Program (ICBP) which is the NCI’s primary effort in cancer systems biology. Our Center brings together diverse researchers from biological, mathematical, physical and clinical backgrounds to better understand the molecular and tissue-level events underlying cancer initiation, evolution and progression.