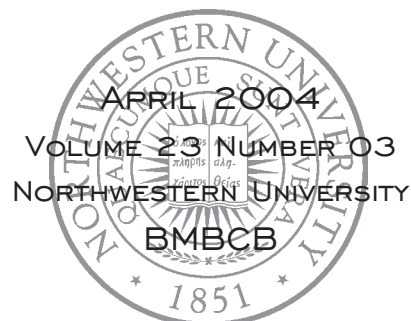


the cell



UPCOMING EVENTS

The Department of Biochemistry, Molecular Biology and Cell Biology Departmental Series

Thursdays at 12:30 PM
Pancoe Auditorium
2205 Campus Drive
For updates visit: <http://www.biochem.northwestern.edu/bmbcb-calendar.html>

Thursday, April 15
A View of Human Disease from the Fly Eye
Ross Cagan
Washington University

Wednesday, April 21--3:30PM
*Visualizing Cellular Entry of Single Viruses
& Structural Dynamics of Single Enzymes*
Xiaowei Zhuang
Harvard University

Thursday, April 22
Chris Wylie
Cincinnati Children's Hospital

Biological Sciences Lecturer Candidate

Friday, April 16
3:00 PM
Pancoe Auditorium
Fertilization
Christa Adam
Missouri Western State College

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BMBCB LAUNCHES COMPUTATIONAL RESEARCH PROGRAM

Nick Woell

Editor

The Department of Biochemistry, Molecular Biology, and Cell Biology announces the establishment of a new program in Computational Biology and Bioinformatics (CBB). Propelling NU research into the future, this interdisciplinary program combines several conventional subjects to employ one of the latest methods of biological research.

"Computational approaches are becoming an indispensable component of biological research in the 21st century both in terms of increasing the pace of biological discovery and integrating information to generate knowledge," says co-founder of the program, Dr. Ishwar Radhakrishnan.

CBB : Computational Biology & Bioinformatics Program

Because successful computational methods necessitate proficiency in several fields including computer science, mathematics, engineering, and biology, Radhakrishnan believes Northwestern needs a graduate program that will specifically train "the next generation of scientists at the interface of these disciplines."

Radhakrishnan's interdepartmental vision distinguishes this CBB program as unique to Northwestern. "The integration of diverse disciplines sets the program apart from many such programs offered in the Chicago area and elsewhere in the country."

"The integration of diverse disciplines sets the program apart from many such programs offered in the Chicago area and elsewhere in the country."

Students are expected to possess undergraduate degrees in a type of engineering or life sciences program. Because of the wide-ranging backgrounds, formulating a curriculum poses a distinct challenge. Radhakrishnan notes that it is essential to ensure that students have sufficient training before undertaking advanced courses in areas that might not be associated with their undergraduate majors.

The CBB program will begin by offering graduate training leading to a Masters degree. Radhakrishnan is expecting the first 20 students to matriculate in Fall 2004. Eventually, Radhakrishnan hopes the program will blossom into a full-fledged doctoral program.

UPCOMING EVENTS

...continued from page 1

Proteomics Symposium

Chicago Biomedical Consortium

Saturday, April 17--UIC

8:30 AM - 4:00 PM

http://www.uic.edu/depts/ovcr/symposiums/protem_2004.htm

Chemistry of Life Sciences Symposium

Monday, April 19

5:30 PM

Pancoe Auditorium

www.clp.chem.northwestern.edu

Center for Genetic Medicine Lecture

Tuesday, April 20

4:00 PM

Turnbull Auditorium--Chicago Campus

Of Genes and Genomes

David Bostein


NEW PEOPLE



Please extend a warm welcome to these individuals who have recently joined our department:

Paul Grabowski is a new Research Technician in the Carthew Lab.

SUBMISSIONS

 **The Cell** is published monthly by the Department of Biochemistry, Molecular Biology and Cell Biology at Northwestern University.

Editor: Nick Woell

Assistant Editor: Chris Rathjen

Please send all comments, questions and submissions to:

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Evanston, IL 60208-3500

847.491.5068

bmbcb@northwestern.edu

ANNOUNCEMENTS



From IT: To standardize the NU identity online, e-mail delivery to addresses in the "nwu.edu" domain will end on June 20, 2004. This means any user whose published e-mail address ends with "nwu.edu" will not be able to send or receive e-mail after this date. If you joined NU during or after September 2000, you do not have to worry about this change. If you haven't already done so, to learn how to switch to the new Internet address domain (northwestern.edu) please visit: <http://www.it.northwestern.edu/transitions>.

Save time and money using the Cancer Center's **FREE Inter-campus Courier!** The courier can save lab members' time by saving them trips to other campuses, by providing easy and efficient transportation of samples to and from facilities such as the transgenic lab, flow cytometry core, or cell imaging facilities. The courier can also save your lab money. If you are at CMIER or on the Evanston campus, the Courier allows you to take advantage of the great prices at the Cancer Center Stockroom and have the products shipped to you at no cost. For example, if you buy Lipofectamine 2000 from Invitrogen, the cost is \$344, but only \$277.10 if you buy it through the Cancer Center Stockroom (full member discount). The Pick-Up and Drop-Off site for Evanston is in Hogan 4-160. To have materials taken to Olson 8402 or CMIER's front desk, just have bring them to Hogan 4-160 before 9:30 am. Materials picked up at Olson 8402 or at CMIER will be dropped off around 12:30 pm (we'll call when they arrive). Just affix the attached label, which has the schedule and instructions at the bottom, with your and the recipient's name, phone, and lab or facility. Labels can be downloaded from <http://www.northwestern.edu/neurobiology/faculty/woodruff2/basicsci/>. Please feel free to contact Heather Gorman at 847-491-3146 or h-gorman@northwestern.edu if you have any questions.

HONORS AND AWARDS



Liqing Wang, a third-year graduate student in the Hatzimanikatis lab of Chemical & Biological Engineering, received a \$5000 scholarship awarded by the Chinese government to exceptional self-supported students studying overseas. Liqing was among only 95 students worldwide who received the award.

Jaclyn Jansen, first-year IBiS student, received an Honorable Mention National Science Foundation Graduate Research Fellowship.

Jonathan Preall, first-year student IBiS also received a Honorable Mention National Science Foundation Graduate Research Fellowship.

Professor Richard Morimoto was honored in the March 18 edition of *Nature*, volume 428, between p 280-281.

EMPLOYMENT OPPORTUNITIES

The Graduate School

Phone: 847-491-8505

Fax: 847-467-7600

E-mail: martin-arteaga@northwestern.edu



A list of available and desired jobs relevant to the Department of Biochemistry, Molecular Biology and Cell Biology.

Teaching and Research Fellow

Loyola University Chicago

The Department of Biology at Loyola University Chicago seeks a full-time, nontenure-track Teaching/Research Fellow to teach courses and pursue research projects with a departmental faculty member of his or her choice. The position is renewable annually, depending on performance, for a term of three years. A Ph.D. is required, and teaching responsibilities may include general biology, genetics, and/or molecular biology courses. For more information see their website at <http://www.luc.edu/depts/biology/>. Submit curriculum vitae, including teaching experience, two letters of recommendation, and a statement identifying your research interests and likely faculty research collaborators by 1 April 2004 to:

Dr. F. Bryan Pickett

Department of Biology, Loyola University Chicago
6525 N. Sheridan Road
Chicago, IL 60626

Technical Writing Instructor Position

Northwestern University

Northwestern University is looking for a Technical Writing Instructor for their Summer Research Opportunity Program (SROP), which provides sophomores and juniors majoring in the social sciences, humanities, communications, biological sciences, physical sciences, and engineering an opportunity for direct involvement in research. The program is eight weeks in length, from June 21 through August 12, 2004. Duties would include working with approximately twelve biology students participating in the SROP program (the writing component is geared to help SROP participants put together a publishable research paper) and giving a two-hour workshop in the 4th week of the program (July 12, 2004 from 9-11am). There is no established curriculum for these workshops; however, the workshop should serve to give general guidelines on how students should convert their ideas and physical experiments into research papers and PowerPoint presentations at the SROP Research Forum on August 12, 2004. Being available for one-on-one sessions with the students during the program especially during the latter half of the program when the students are writing is necessary (approximately 5 hours per week after the workshop on July 14). Desirable skills include familiarity with technical writing to help the SROP students in synthesizing their research on paper and previous teaching experience. Compensation is \$750.00. To apply, submit a Curriculum Vitae and one-page proposal/outline on your teaching intent to:

Martin Arteaga, Coordinator of Minority Affairs

Biological Technicians

EA Engineering – Deerfield, IL

EA Engineering is looking to hire several biological technicians for the upcoming field season. Positions will begin around 15 May and extend throughout the summer and, for those available, extend into the fall and perhaps longer. The positions will be in our Deerfield, Illinois office (DF is a northern suburb of Chicago). The positions will involve a combination of field and lab work, with considerable travel involved. Applicants must be in good physical condition. Most of the assignments involve fisheries but some include macroinvertebrates as well as related aquatic disciplines. Applicants should have at least some work/classroom experience in the aquatic sciences. Familiarity with larval fish and/or macroinvertebrates is desirable. Salary is \$8-\$10/hr, more if well experienced. For more details, send resume to:

Greg Seegert

EA Engineering, Science, & Technology
444 Lake Cook Rd., Suite 18
Deerfield, IL 60015
Telephone: 847-945-8010
Fax: 847-945-0296
E-mail: gls@eaest.com

or ask for:

Joe Vondruska

Same phone number/address
E-mail: jvondruska@eaest.com

Research Scientist

Abbott Laboratories – Abbott Park, IL

Abbott Laboratories is seeking a research scientist in the Department of Biological Screening. Working in a fast-paced, creative, multi-disciplinary environment, the successful candidate will be responsible for developing new technologies and assays and implementing a variety of High Throughput Screening (HTS) techniques to identify and characterize lead compounds for drug discovery. They will work on multiple projects simultaneously as part of a larger team of scientists, developing and using a broad range of technologies including novel affinity-based screening techniques and phenotypic cell-based and high content analysis. This challenging position involves supervision of research associates and intensive collaboration and communication with scientists working on all aspects of drug discovery research in multiple therapeutic areas. Requirements include a Ph.D. in chemistry, cell biology, biochemistry, pharmacology, or related field, and postdoctoral experience preferred. A track-record of success in one or more of the following is desirable: implementation; invention or development of novel screening methods; siRNA methods; mass spectrometry; or mammalian cell culture. Excellent communication



and presentation skills and strong publication record are a must. If interested, please fax/forward a resume to:

Kenneth M. Comess, PhD
Group Leader
Dept. R4PN, Bldg. AP10-1
Abbott Laboratories
100 Abbot Park Road
Abbott Park, IL 60064-6099
Fax: (847)935-4200
Phone: (847)938-4451
Email: Kenneth.m.comess@abbott.com

Tiffany Lewis is seeking a clinical tech or research position. She is currently a senior at Washington University in St. Louis and is planning to take a year off before medical school. Her major is History with a concentration on History of Medicine. She was involved in the St. Louis Children's Hospital Pediatric Emergency Medicine Research Associate Program. She has also shadowed many physicians and has carried out patient-oriented research studies in the following areas: asthma, fluid management in dehydration, procedural pain and sedation, cervical spine trauma, head injury, wound care and fracture healing. Her previous research makes her a good candidate for any lab positions. She is willing to start after mid May. For more information please contact:

Tiffany Lewis
340 Rosedale, Apt 1N
Saint Louis, MO 63112
Phone: 314-443-6824
E-Mail: tiph_33@hotmail.com

Bing Liu is seeking a postdoctoral position. He is a Ph.D. student at the Department of Pharmacology at Kansai Medical University. He has previously been a Research assistant at the Dept. of Physiology at China Medical University and also a Research fellow at the Dept. of Pharmacology at Kansai Medical University. His interests are in molecular biology and proteomics. His current research focuses on Cl⁻ - ATPase activity in immune cells. He was also involved in the major thesis of his department: to clone a Cl⁻ pump/Cl⁻ ATPase protein and determine its DNA sequence from rat brains. He is available to work after May of 2005. For more information please contact:

Bing Liu
Dept. of Pharmacology
Kansai Medical University
Moriguchi, Osaka 570-8506
Japan
E-Mail: liubing@takii.kmu.ac.jp

Rodney Greene is seeking a Tech position on campus. He has worked for over 10 years in the Feinberg Department of Surgery. Currently he is a Senior Research Technologist in the division of cardiothoracic surgery. He has been managing labs, published, presented, and has been recognized as an outstanding NU employee for many years. He is a certified Surgical Research specialist and has worked as a research

assistant at Carlyle Fraser Heart Center at Emory University. For more information please contact:

Rodney Greene
2016 Brown Avenue
Evanston, IL. 60201
847-864-4785
E-Mail: rodneynneaj@aol.com

Tianbo Li is seeking a postdoctoral position. He has been working and studying in the Institute of Medical Biotechnology for five years. He will obtain a Ph.D. degree this summer. His research focused on *Streptomyces* and human novel functional gene research, involved in the fields of Molecular biology, Bioinformatics and Immunology. He is interested in gene function research, protein structure-function relationship research, and signal transduction. His past experiences have made him very familiar with general molecular biology and biochemical techniques. For more information please contact:

Tianbo Li
Institute of Medical Biotechnology, CAMS & PUMC
1# Tiantanxili Beijing, 100050. China
Phone: +86-10-83157099
Fax: +86-10-63038137
E-Mail: bioltb@yahoo.com.cn

Stanislav Zelivianski is seeking a research position. He is currently a Research Assistant Prof. at CMIER. He has a solid background in research, and work experience in signal transduction, molecular and cancer biology. He was a Research Associate and Postdoctoral Research Associate in the Dept. of Biochem. & Mol. Bio. at UNMC, Omaha, NE. He was the Leading Researcher at the Dept. of Genetic Engineering of Animals at the Institute of Agricultural Biotech in Moscow, Russia. For more information please contact:

7242 N. Kedvale Ave.
Lincolnwood, IL 60712
Phone: 847-983-0557
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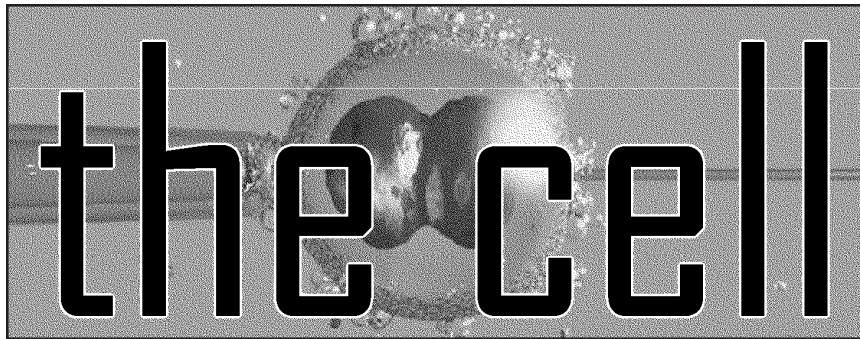
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