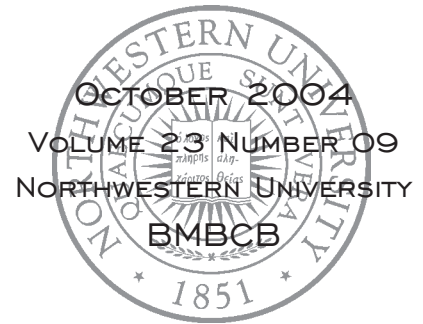


the cell



UPCOMING EVENTS

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

Thursdays at 12:30 PM
Pancoe Auditorium
2205 Campus Drive
For updates visit: [http://
aquavite.northwestern.edu/cal/public/
calendar.cgi?id=195](http://aquavite.northwestern.edu/cal/public/calendar.cgi?id=195)

Thursday, October 7
Whole-genome analysis of gastrulation
Dr. Mike Levine, PhD
University of California, Berkeley

Thursday, October 14
*Harnessing actin dynamics for membrane
trafficking events*
Dr. Dave Drubin
University of California, Berkley

Thursday, October 21
TBA
Dr. Phil Zamore
UMass Medical Center

Cytoskeleton Symposium
The Cytoskeleton in Health and Disease
October 15, 2004
[http://www.cme.northwestern.edu/
conferences.htm](http://www.cme.northwestern.edu/conferences.htm)
Thorne Auditorium
Chicago Campus

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BMBCB'S NEWEST INVESTIGATOR TO COMBINE BASIC AND APPLIED RESEARCH

Nick Woell

Editor

In an effort to expand biomedical applications of basic research, BMBCB welcomes Professor Curt Horvath to our team of investigators. Forming a link between university and hospital research, Horvath operates under a joint appointment through BMBCB and Evanston Northwestern Healthcare (ENH).



"Life Sciences is in a position where we can use our basic research discoveries to advance biomedical and therapeutic applications," says Horvath, "I hope that my being here will help mediate communication between researchers at ENH and university labs to generate realistic interactions between those agencies."

A 1992 graduate of BMBCB, Horvath conducted his graduate research in the laboratory of Professor Robert Lamb. Demonstrating the potential for BMBCB students to make long lasting contributions to research, as a student he discovered a new protein associated with the Influenza B virus: BM2.

Horvath undertook the majority of his postdoctoral work at Rockefeller University in New York City before receiving an assistant professorship at Mount Sinai School of Medicine in 1998.

Here at Northwestern, Horvath's lab investigates how cytokines regulate gene expression in human cells through a biomedically significant response of virus-host interaction, specifically how the cell protects itself from virus interaction. His latest research group consists of five members of his former team in New York: Patrick Parisien, Aki Komuro, Jason Rodriguez, Cristian Cruz, Inna Nusinzon.

Curt encourages BMBCB researchers to introduce themselves to his lab members. They are located on the fourth floor of Pancoe/ENH.

UPCOMING EVENTS

...continued from page 1

NBP Seminar

Exploring the Control of GnRH-Neuron Cell Physiology and Reproduction Using Transgenic Fish: Initial Steps on a New Adventure

Nancy Wayne

UCLA

Monday, October 4 10:00 AM

Pancoe 1401

CMB Seminar

Regulation of RNA Polymerase III Transcription by the Retinoblastoma Tumor Suppressor Protein

Dr. William Henry

Michigan State University

Tuesday, October 5 4:00 PM

Ward 4-075

Chicago Campus

Meet the New Chair's Assistant



Drew Miller has replaced Rita Savakis as the Assistant to the Chair. As introduced last month, BMBCB's new Chair is Dr. Kelly Mayo. Miller was also hired as a Lab Coordinator for the Mayo Lab. In addition to receiving a Bachelors Degree in English Literature from the University of Wisconsin, Madison, Miller has had plenty of laboratory experience as an assistant in both the Department of Physiology and Department of Neuroscience at the University of Minnesota, Twin Cities. Please welcome Drew in his new office, Hogan 4-124 or (847) 491-5418.

Meet the 1st Year IBiS Students



Zhen Zhao

Beijing, China

Zhen is studying developmental biology in the Beitel Lab this quarter. She points out that one of the most attractive features of the IBiS program is the opportunity to rotate between multiple labs and explore several areas in biology. After receiving her undergraduate degree in biology from Xiamen University, she worked as a research assistant at the Institute of Biophysics at the Chinese Academy of Sciences. Zhen predicts that she might end up doing industrial research after her time at Northwestern, though she hopes to learn more about post-graduate opportunities as her research progresses.



Yi-Fan Lin

Taipei, Taiwan

Yi-Fan is a rotation student in the Weiss Lab this quarter. Previous to Northwestern he studied biology at National Taiwan University. In addition to his current research in molecular biology, Yi-Fan is open to several interests in biological sciences. He hopes to be involved in industrial research someday. "I love conducting experiments, solving scientific problems and finding the truth," says Yi-Fan. "I want to be actively involved in the concept of changing and bettering our lives."



Jun Hyun Kim

Seoul, South Korea

Jun is a rotation student in the Hicke Lab this quarter, studying molecular and cell biology. After completing his undergraduate degree in biology from Yomsei University, Jun conducted research for the development of anticancer drugs at a pharmaceutical company near Seoul. Jun's general interest in biology is to understand the mechanisms of disease. He hopes to remain working in academia because of the freedom of research.

NEW PEOPLE



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

Paula Putziger is a new Lab Aide in the Carthew and Beitel Labs.

Cristian Cruz is a new Research Assistant in the Horvath Lab.

Maria Catarina T.B. Lima Da Silva is a new Visiting Scholar in the Morimoto Lab.

Kelly Thayer is a new Postdoctoral Fellow in the Widom Lab.

ISO ANNOUNCEMENTS



ISO Student Seminar

October 12
11:30am
Cook 3118

Lisa Tambellini from the Levine lab and MeiLin Zimmerman from the Lamb lab will present their work.

Bagel Break

October 22, 5pm
Cook 3118

Bring your lab to this monthly networking event to enjoy free bagels, donuts, coffee, and drinks. All are welcome!

GENERAL ANNOUNCEMENTS



AGBT & AMSConference

February 9 -12, 2005 - Marco Island Marriott Resort and Golf Club - Marco Island, FL

Call for Abstracts Deadline October 30, 2004

Marco Island, Florida will once again be the site of the annual joint venue for the Advances in Genome Biology and Technology & Automation in Mapping and Sequencing (AGBT & AMS) meeting. This international meeting has rapidly become one of the premiere genomics gatherings each year. The relaxed atmosphere and outstanding science have provided exceptional opportunities to meet and interact with leaders in genomics and related fields.

To further enhance the AGBT meeting, in particular for trainees and investigators new to genomics, we are adding two new features to the 2005 meeting.

The first new feature is a pre-meeting 'training' workshop intended to provide an intense review-like tutorial in genomics. This workshop will provide an opportunity to discuss the latest problems, concepts, and methods with leading experts in the field. The agenda for this workshop is provided below.

The second new feature is an abstract competition for students and postdoctoral fellows. The abstract competition has been added to encourage submission of papers by trainees and to help defray the cost to attend for those submitting the best abstracts. Please see additional requirements below.

This year's meeting will emphasize applied genomics and bioengineering as major areas of focus. Keynote speakers will be featured in plenary sessions that highlight cutting-edge research in cancer genomics, microbial community characterization, application of genomics to medical relevance, and technology development for high-throughput biology. The technical approaches being developed and utilized for these areas of research will be described during evening concurrent sessions.

Abstracts will be accepted through October 30, 2004. In special circumstances, abstracts discussing late-breaking scientific discoveries or developments will be accepted as late as December 31, 2004.

To submit an abstract, register to attend, or simply to obtain more information please visit our web site, <http://www.agbt.org>.

EMPLOYMENT OPPORTUNITIES



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

Lab Technician

ENH/Northwestern University—Evanston, IL

BMBCB Professor Curt Horvath is searching for a Lab Technician. This position entails assisting with biomedical research and laboratory operations. A Bachelors degree and familiarity with modern molecular biology and biochemistry is required. However, experience in a laboratory is not required, but would be helpful.

Administrative Assistant

The Horvath Lab is also searching for an Administrative Assistant. The personal assistant to the principle investigator will coordinate day to day operations of research in the laboratory. Duties will include: placing laboratory orders, interface with administrative agencies, tracking research funds, assisting with preparations of grant applications. A BS or MS degree is required, but a scientific background is not necessary (but could be helpful). Energetic and enthusiastic problem solvers are ideal.

Dishwasher

The Horvath Lab is also searching for a dishwasher, responsible for glassware washing, autoclaving, and general lab cleanup. No college degree required.

Any inquiries about these positions can be directed to:

Curt M. Horvath, Ph.D.
Horvath@northwestern.edu
Office (847) 491-5530
Lab (847) 491-5484

Faculty Position

St. Olaf College—Northfield, MN

St. Olaf College in Northfield, Minnesota has a tenure-track opening for a biochemist. Applications for an assistant of associate professor will be considered. This appointment has the potential for significant long-term impact on their interdisciplinary program in Biomolecular Science. Working with colleges in both the Chemistry and Biology departments, they expect the successful candidate to contribute to the development of this program and, ultimately, to participate in the leadership of it. This jointly established, recently revised program in Biomolecular Science spans the entire Faculty of Natural Sciences and Mathematics, involving faculty with expertise in biophysical chemistry,

bioinformatics, bioanalytical chemistry, molecular biology, bioorganic chemistry, cellular biology, physiology, molecular genetics, and developmental biology. St. Olaf's is extraordinarily well equipped for teaching and research in the area of biochemistry. St. Olaf's is a highly selective, private liberal arts college enrolling approximately 3000 students with research involving more than 50 undergraduates each year in the Faculty of Natural Science and Mathematics. This research is supported by endowments and major grants by several agencies, including the Keck Foundation (Green Chemistry), NSF, NIH, and the Howard Hughes Medical Institute (just recently renewed), among others. The person hired for this position will play a pivotal role in the development of our interdisciplinary vision for this center. Applicants must hold a Ph.D. in Biochemistry or a closely related field or anticipate completing it before the starting date of September 1, 2005. Experience in laboratory techniques of biochemistry and/or molecular biology is required. Applicants should provide a *curriculum vita*, copies of undergraduate and graduate transcripts, a summary of research interests and goals, and a statement of teaching interests and philosophy, especially addressing courses they are interested in teaching. Applicants must demonstrate an understanding of the goals of a liberal arts education, a commitment to quality undergraduate teaching at all levels, and the intention to build an experimental research program that involves undergraduates. A strong interest in helping shape the interdisciplinary program in Biomolecular Science in collaboration with other faculty in the Faculty of Natural Science and Mathematics should be held by the applicants as well. Completed applications will be reviewed on October 1, 2004 and candidates will be interviewed in mid to late November. In addition, applicants should have letters of reference be sent by three persons who are well acquainted with the applicant's professional qualifications, at least one of which addresses the applicant's teaching performance and potential. Inquires and applications should be addressed to:

Robert M Hanson
Biochemistry Search Committee Chair
Chemistry Department
St. Olaf College
150 St. Olaf Avenue
Northfield, MN 55057-1098
(507)646-3107
hansonr@stolaf.edu

Tenure-Track Assistant Professor

California State University—Northridge, CA

California State University, Northridge has a position for a tenure-track assistant professor in biochemistry. The successful candidate will have primary teaching responsibilities in under-graduate and graduate biochemistry courses, and will be expected to develop a research program in biochemistry involving undergraduates and M.S. students. Area of research expertise is open, but preference will be given to candidates with postdoctoral experience, and a strong background in chemistry and functional genomics. Hard copy applications should consist of a cover letter, curriculum vitae, a detailed research proposal, a statement of teaching philosophy, and three letters of



recommendation sent directly by references. Application screening begins October 15, 2004, and will continue until the position is filled. California State University, Northridge is an Equal Opportunity Employer committed to excellence through diversity. Address correspondence to:

Dr. Omar Zahir, Chair
Department of Chemistry and Biochemistry
California State University
Northridge, CA 91330-8262

Domestic Fishery Observer

Alaskan Observers, Inc.—Alaska

Alaskan Observers, Inc. has a position for domestic fisheries observers. Alaskan Observers, Inc is certified by the National Marine Fisheries Service and the Alaska Department of Fish and Game to provide observers for domestic fisheries. Persons hired attend training in either Seattle, WA or Anchorage, AK. In the six months following training, observers make two deployments, each one which is approximately 2 to 2 ½ months in length. Observers are guaranteed subsequent deployment opportunities and salary advances. Observers gather management data for the Government, living and working aboard U.S. flagged commercial fishing vessels opening in the Bering Sea, North Pacific, and Gulf of Alaska. The compensation for this position ranges from \$3,900.00-5,610.00 per month, depending on experience, plus room, board, and travel to and from job site. The qualifications for this position are a minimum of a Bachelor's Degree in fisheries biology, marine biology, general biology, zoology, or a related natural science. For more information and the application contact:

David Edick
Alaskan Observers, Inc
130 Nickerson, Suite 206
Seattle, WA 98109
1-800-483-7310
<http://www.alaskanobservers.com>
aoistaff@alaskanobservers.com

Faculty Positions

University of Pennsylvania—Philadelphia, PA

The Biochemistry and Biophysics Department at the University Of Pennsylvania School Of Medicine seeks candidates for an Assistant, Associate, and/or Full Professor position on the tenure track. Rank will be commensurate with experience. The successful applicant will be accomplished in the area of molecular mechanisms in biology with strong background in chemistry, biochemistry, or biophysics. Responsibilities include conducting research and research training. They seek individuals with a strong track record of independent accomplishments, who are able to interact productively with colleagues and supervise and mentor students with diverse backgrounds. Applicants must have a Ph.D. or equivalent degree, and have demonstrated excellent qualifications in education and research. The effective date of appointment will be September 1, 2005. The

University of Pennsylvania is an equal opportunity, affirmative action employer. Women and minority candidates are strongly encouraged to apply. Please submit curriculum vitae, a brief statement of research interests, and at least three reference letters to:

Ms. Ruth Keris
Staff to Search Committee
Department of Biochemistry and Biophysics
University of Pennsylvania School of Medicine
245A Anatomy-Chemistry
Philadelphia, PA 19104-6059

Tenure-Track Faculty Position

University of Georgia—Athens, GA

The Department of Pharmaceutical and Biomedical Sciences at the University of Georgia, Athens invites applications for two full-time, tenure-track faculty positions at the Assistant Professor level. Applicants should possess a Ph.D. or a Pharm.D./Ph.D. with pharmaceutical sciences as the focus of their graduate education and research training. Excellent communication skills and the ability to teach pharmaceuticals and/or pharmacokinetics at both the Pharm.D. and Ph.D. levels are required. Each successful applicant will also be expected to develop a dynamic, extramurally-funded research program in an area associated with drug delivery and/or drug targeting. Collaborative possibilities in research exist within the college, the nanotechnology center and pharmaceutical engineering. To be assured of full consideration, applications should be received by November 5, 2004. Interested qualified applicants should submit a letter of application, a curriculum vitae, a research plan and three confidential letters of recommendation to:

Chair, Search Committee 'A'
Department of Pharmaceutical and Biomedical Sciences
R.C. Wilson Pharmacy Building
University of Georgia
Athens, GA 30602-2352
pbssearch@rx.uga.edu

Tenure-Track Faculty Position

University of Georgia—Athens, GA

The Department of Pharmaceutical and Biomedical Sciences at the University of Georgia, Athens invites applications for a full-time, tenure-track faculty position at the Assistant Professor level. Applicants should possess a Ph.D. or a Pharm.D./Ph.D. or equivalent degree, have demonstrated research skills, and will be able to teach at both the Pharm.D. and Ph.D. levels. The successful applicant will also be expected to develop a dynamic, extramurally-funded research program in chemical biology and/or medicinal chemistry with an emphasis on drug discovery. Focus of the research program should be in one of the areas pertaining to drug discovery such as synthesis, mechanism of action or cellular studies that are applicable to new molecular species that have antiviral, antimicrobial, anticancer or other therapeutic activity. To be assured of full consideration, applications should be

received by November 5, 2004. Interested qualified candidates should submit a letter of application, a curriculum vitae, a research plan and three confidential letters of recommendation to:

Chair, Search Committee 'B'
Department of Pharmaceutical and Biomedical Sciences
R.C. Wilson Pharmacy Building
University of Georgia
Athens, GA 30602-2352
pbssearch@rx.uga.edu

Tenure-Track Physical Chemist

California State University—Fresno, CA

California State University, Fresno has a tenure-track opening for a physical chemist at the assistant professor level beginning August 2005. California State University, Fresno is primarily an undergraduate institution with Masters degrees offered in many programs including the Department of Chemistry. They are seeking an individual with a commitment to and potential for excellence in teaching, who will establish an active research program that involves undergraduate and M.S. graduate students. The position provides an excellent opportunity for anyone who seeks a career combining teaching and research at the undergraduate and M.S. levels. Outstanding candidates in any area of physical chemistry will be considered but preference will be given to candidates who can also teach inorganic chemistry. A Ph.D. in physical chemistry or a closely related field is required and postdoctoral experience. For full consideration, applications should be received by November 1. Candidates should forward an introductory letter, application form, vita, copies of graduate/undergraduate transcripts, statements of teaching philosophy and research goals (including an estimate of start-up costs), and should arrange for a minimum of three letters of recommendation to be sent to:

Dr. J. R. Gandler, Chair
Physical Chemistry Search
Department of Chemistry
California State University
M/S-SB 70
Fresno, CA 93740-8034
<http://www.csufresno.edu/Chemistry/search>
<http://www.csufresno.edu/aps/vacancy/sc1.pdf>

DESIRED POSITIONS

Brian Mack is seeking a lab technician position at Northwestern. He is currently finishing a six month commitment as a lab tech working on a population genetics project at the University of Chicago. While there, he has been sequencing 50 loci for 96 samples of *Arabidopsis thaliana* to create an online database of polymorphisms. He plans to go to graduate school in the next year or two to study infectious diseases and would love to have experience working in a lab again. Please contact his supervisor Marty Kreitman at 773-702-1222. For more information, contact:

Brian Mack
312-593-4089





NOW ACCEPTING: EVENT ANNOUNCEMENTS, ARTICLE IDEAS, EMPLOYMENT OPPORTUNITIES, POSITIONS WANTED AND ANNOUNCEMENTS.

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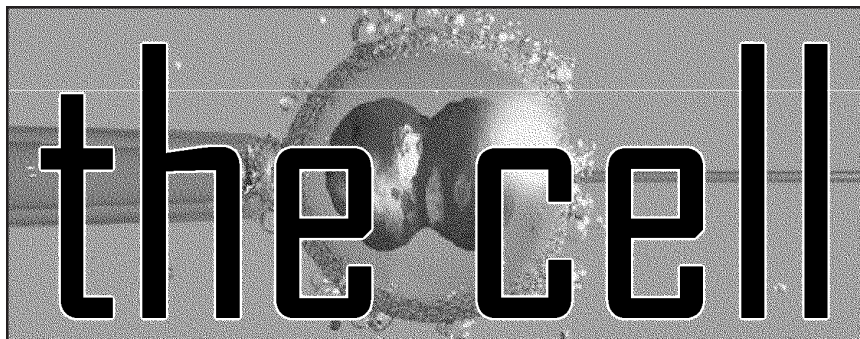
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Fax: 847.467.1380

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Website: www.biochem.northwestern.edu



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World Wide Web: <http://www.biochem.northwestern.edu>