

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>

Thursday, December 2
The gonad as a model for studying organogenesis, sexual dimorphism and germ cell development
Dr. Mark VanDoren
Johns Hopkins University

Thursday, December 9
Dr. Allan Spradling
Using Drosophila to study stem cells
Carnegie Institute

CMRC Seminar
Mouse Models of Congenital Heart Disease
Jonathan A. Epstein, M.D.
Associate Professor of Medicine
U of Pennsylvania Medical Center
Thursday, December 2
4:00 PM
CMRC Wolfson Hall
2430 N. Halsted

CONTENTS

Feature Story	1
Upcoming Events	1
Meet New IBiS Students	3
New People	4
ISO Announcements	4
Honors and Awards	4
Employment Opportunities	5

NU ADMINISTRATION PRESENTS INTERDISCIPLINARY VISION IN EXCELLENCE PLAN

Nick Woell
Editor

Northwestern University's Office of the Provost recently unveiled its latest plan to strengthen NU's interdisciplinary tradition over the next five years. *The Highest Order of Excellence II: A Planning Framework (2005-2010)* outlines a vision that aims to promote innovative research where traditional academic disciplines overlap.

The strategy is presented in three sections: *Faculty and the Environment for Creative Work; Students and the Environment for Learning; The Enabling Infrastructure*. The entire document can be viewed at <http://www.northwestern.edu/provost/highestorder/hoefinal-draft041112.pdf>



NORTHWESTERN FURTHERS COMMITMENT TO ENVIRONMENTAL SUSTAINABILITY

NU President Henry S. Bienen has announced new policies and projects that will be implemented this academic year to further Northwestern University's commitment to environmental sustainability. Sustainability is an important global issue and we are committed to taking appropriate steps to minimize Northwestern's impact on the natural environment. Many of the policies and projects will also reduce energy consumption and thus result in cost savings for the University.



The policy having the greatest potential effect on BMBCB is stricter temperature regulation. Rather than allowing researchers and staff to adjust temperatures to a desired setting, NU's energy management system will be standardized to a range of 68-71 (°F) during the heating season and a range of 73-76 (°F) during the cooling season. Exemptions will be given to rooms supporting temperature sensitive research or occupants with vulnerable medical conditions.

...continued on page 2

NU ENVIRONMENTAL POLICY

...continued from page 1

We expect these changes to begin affecting BMBCB facilities over the next couple of weeks. If you have any questions or concerns, please contact the department office.

For additional information all policies, projects, and the analyses that will guide the University's future investments in greater energy efficiency are described in detail at http://www.northwestern.edu/fm/environmental_sustainability.htm.

FREE INTERCAMPUS COURIER

 **Save time and money using the Cancer Center's ****FREE**** Intercampus Courier!**

Courier schedule and Arrow Messenger Service Label can be downloaded from: <http://www.northwestern.edu/neurobiology/faculty/woodruff2/basicsci/> Please contact Eleni Garbes at (312) 908-7468 or [e-garbes@northwestern.edu](mailto:egarbes@northwestern.edu) if you have any questions or comments. The courier can save lab members' time by saving them trips to other campuses. It provides 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 save money by providing easier access to cores and facilities that provide goods and services to the Northwestern community at discounted prices. For a list of core facilities, please go to: <http://www.northwestern.edu/research/centers/shared-facilities/>

Meet the New Financial Assistant

Harmony Kuri has replaced Andrew Kluetz as the new Financial Assistant in Life Sciences Financial Services. She has been with NU's University Services for over three years working with mail, wildcard, travel, and purchasing services. Previous to Northwestern, Harmony received seven years of administrative experience in industries such as insurance, medical, legal and construction. She has enjoyed working with members of Life Sciences Financial Services in the past and is enthusiastic about the opportunity to provide exceptional customer service to the department. Please welcome Harmony in her office, Hogan 2-158 or (847) 491-5764.



EMPLOYEE OF THE YEAR AWARDS

 Human Resources Training & Development is now accepting nominations for the Northwestern Employee of the Year awards, which recognize one staff member from the Chicago campus and one from the Evanston campus for their outstanding contributions.

The deadline for submitting nominations is February 7, 2005. All staff who have been employed at least three years and were not finalists last year are eligible.

Additional information, instructions and the nomination form are available at <http://www.northwestern.edu/hr/training/servrec.html#year>. If you have any questions, please call Kate Lee at 1-7509 or e-mail leek@northwestern.edu.

Meet the 1st Year IBiS Students



Nicole Auclair
Darien, IL

Nicole is a rotation student in the Rosenzweig lab this quarter, currently studying the metal domain of the Wilson's disease protein. She received her undergraduate degrees in biology and biochemistry from Monmouth College. After earning her Ph.D. she hopes become a post-doctoral fellow and pursue a career in academia. Nicole enjoys biology because it allows her to address some of the most fundamental concepts, exploring the basis of how life works.



David Giljohann
Elm Grove, WI

David is studying Hdacs in the Radhakrishnan lab this quarter. He earned his undergraduate degree in biology here at Northwestern. David also worked as a lab technician in the Takahashi lab as an undergrad and for over a year after receiving his degree. He has not decided whether to pursue industrial or academic research after earning his Ph.D. For now David is interested in refining his interests, investigating questions and exploring the connections between biology and everyday life.



Tammy Chan
Fort Worth, TX

Tammy is a rotation student studying developmental biology in the LaBonne lab this quarter. She received her undergraduate degree in biology from the University of North Texas. After Northwestern she hopes to remain in academia and is excited to begin teaching as well as continue researching. Although she is unsure about what specific area of biology will become her expertise, she says discipline as a whole has always intrigued her, giving us the opportunity to answer important questions about life and science.

Meet the 1st Year IBiS Students



Rachel Jacobsen
Plymouth, MN

Rachel is a rotation student in the Woodruff Lab this quarter studying reproductive biology. She received her undergraduate degree in biology from the University of Wisconsin, Madison, where she also worked as a lab technician in the department of physiology for two years before coming to Northwestern. Rachel hopes to remain in academia and wants to devote her future to both research and teaching. She enjoys the challenge that biology presents and would like to benefit society through biomedical research.



Emily Mazanka
Troy, MI

Emily Mazanka is researching Hedgehog signaling in wing discs in the Holmgren lab this quarter. She received her undergraduate degree in biology from Oakland University, Michigan. While she hasn't decided yet whether she will choose the path of industry or academia, Emily finds aspects of both appealing to her. "I simply love biology because I think it's exciting to explore the underlying processes that govern life."



Kristen Meldi
Springfield, MO

Kristen is studying nerve regeneration this quarter in the Shea lab. She received her undergraduate degree from Drury University, focusing on organic chemistry research. She also worked on the campus newspaper. After receiving her PhD she hopes to begin a career in scientific journalism, writing for the general public. Kristen has always enjoyed medicine, but chose to study basic research because she sees it as more challenging.

NEW PEOPLE



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

Yvonne Fondufe-Mittendorf is a new Post-Doctoral Fellow in the Widom Lab.

Harmony Kuri is a new Financial Assistant in the Life Sciences Business Office.

Tien Le is a new Laboratory Technician in the Beitel Lab.

Judy Panickaveetil is a new Research Technician in the Lamb Lab

ISO ANNOUNCEMENTS



Here are the ISO announcements for December:

Mark your calendars for the annual IBiS Holiday Party, sponsored by BMBCB and NBP, and brought to you by the ISO!

When: Friday, December 10 from 4pm to 6pm

Where: Cohen Commons on the 4th Floor of Tech (signs will be posted to provide directions)

What: Food and drinks from Giordano's

All IBiS students, postdocs, faculty, and staff are invited to attend. Bring a dessert to share!

HONORS AND AWARDS




Congratulations to Professor Kelly E. Mayo for being elected to the Endocrine Society's governing council. With more than 11,000 members in 80 countries, the society is the world's largest organization devoted to research on hormones and the clinical practice of endocrinology. In addition to being the Chair of BMBCB, Kelly is director of the Center for Reproductive Science and director of the Cellular and Molecular Basis of Disease Training Program.

RECENT PUBLICATIONS



Whittlesey KJ and Shea LD. "Delivery systems for small molecule drugs, proteins, and DNA: the neuroscience/biomaterial interface." *Exp Neurol*. 2004 Nov;190(1):1-16.

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:

The Cell

Northwestern University

Hogan Hall 2-100

2205 Tech Drive

Evanston, IL 60208-3500

847.491.5068

bmbcb@northwestern.edu

EMPLOYMENT OPPORTUNITIES



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

Visiting Scientist Position
Fred Hutchinson Cancer Research Center—Seattle, WA

The Fred Hutchinson Cancer Research Center has established a visiting scientist position for the summer that allows a faculty member at an undergraduate institution in the US that enrolls and trains a significant percentage of under represented minority students to work in a Hutchinson Center laboratory for up to 10 weeks during the summer quarter in Seattle. The applicant should have an active involvement in student mentoring and currently be teaching at least one full undergraduate course per year. The applicant should be in direct academic contact with a significant percentage of underrepresented minority students. The applicant should demonstrate a commitment to basic research, both for their own teaching purposes and for their students' future training and employment. For more info contact:

Dr. Barry Stoddard
Fred Hutchinson Cancer Research Center
A3-025
1100 Fairview Avenue
Seattle, WA 98109
1-206-667-4031
bstaddar@fhcrc.org

Senior Scientist
Chromatin, Inc. – Chicago, IL

Applications are being sought for a Senior Scientist in Maize Molecular Biology and Gene Expression. The Successful candidate will participate in a talented research team developing mini-chromosomes for stacking traits and introducing high value products in maize, and will be expected to help execute on the development of maize mini-chromosomes and characterize their performance in plants. The Senior Scientist will be responsible for evaluating plants and cell cultures containing maize mini-chromosomes and reporting results both internally and externally with partners and helping prepare data and documents for regulatory agencies. A Ph.D. or M.S. with 6+ years industry experience in maize molecular biology, transformation, or transgenic trait evaluation is wanted. Experience in transgene analysis, genotype and phenotype characterization, event selection or trait introgression are required. Experience in preparing data packages for regulatory filings is desirable, with excellent interpersonal, verbal, written, and presentation skills required. The candidate will be expected to demonstrate these skills internally and with partners. The company is searching for self-directed scientists, with team build experience, strong problem-solving abilities, and demonstrated sound judgment. Chromatin, Inc., www.chromatininc.com, is a Chicago based company

that develops and markets novel proprietary technology that enables entire chromosomes to be designed and incorporated into plant cells to introduce multiple genes providing precise control of gene expression. Chromatin is employing these new genetic tools to design and market products that confer a variety of commercially valuable traits in crop plants. To apply, please send C.V. and names of 3 references to:

hr@chromatininc.com

Part-Time High School Biology Teacher

Rabbi Oscar Z. Fasmen Yeshiva High School is looking for a part-time teaching position in biology for the 2004-2005 academic year.

Mr. Sheldon Schaffel
Assistant Principal
Phone (847)982-2500
Fax (847) 674-6381
schaffel@htcnet.edu

Assistant Professor of Biology Tenure-track
Minnesota State University Moorhead – Moorhead, MN

The Minnesota State University Moorhead invites applications for a tenure-track position as an Assistant Professor of Biology. Requirements are a Ph.D. with strong background in physiology as well as the ability to teach upper-level physiology course(s), excluding plant physiology. A commitment to a research program involving undergraduate students, a potential for excellence in undergraduate teaching, and research experience are all required as well. Responsibilities will include teaching upper level physiology course(s) and depending on departmental needs, candidates might also teach any of the following: Anatomy and physiology course for Nursing Program, course(s) in area of candidates expertise, course(s) for the University's Liberal Studies Program, and Biology laboratory sections. Additional responsibilities include participation in the Health and Medical Sciences Emphasis and/or the Biochemistry and Biotechnology Emphasis within the Biology major, Research involving undergraduates, advising, service to the University and community, maintenance of professional expertise, willingness to pursue internal and external funding. For additional information and a link to the Standard Application Form see www.mnstate.edu/vacancy/Index.htm. Completed applications must include a CV, unofficial graduate and undergraduate transcripts (official transcripts must be provided by the successful candidates by time of employment), statements of teaching philosophy and research interests, three current letters of reference, and the Standard Application Form. Screening of completed applications will begin 10 January 2005 and continue until the position is filled. Must be legally authorized to work in the United States on the date employment begins. For additional information about the Department of Biology at MSUM, see <http://www.mnstate.edu/biology>. Apply to:

Physiology Search Committee

Co-Chairs Drs. Michelle Malott and Kathryn Wise
Biology Department
Minnesota State University Moorhead
Moorhead, MN 56563
Msum464p@mnstate.edu
Fax: 218-477-2018
Phone: 218-477-2572

Dr. Stacey C. Tobin
Associate Director, Editorial Services
8420 Bryn Mawr Ave. Suite 800
Chicago, IL 60631
Phone: (847) 392-2227 x161
Fax: (847) 392-2257
www.access-medical.com
www.accessCME.org

Senior Research Associate –
BSD/Surgery/Plastic and Reconstructive /Electrical Trauma Research
Program
The University of Chicago – Chicago, IL

The Department of Surgery and the section of Plastic and Reconstructive Surgery of the University of Chicago is searching for a senior research associate. The incumbent will assume responsibility for performing and teaching complex laboratory techniques, including laboratory animal techniques, tissue culture and biochemical techniques, and oversee the day-to-day operation and progression of these experiments. The incumbent will be centrally involved in the study of scar/wound healing on skin and peripheral nerve injury in small animals. Confidence in performing biochemical techniques is important. When required the incumbent will represent the PI, help maintain the database and perform statistical analyses of research data. In addition to advanced scientific knowledge and experience, the desired individual will need to possess skills of analysis, writing, and coordination. Master's degree or doctorate degree in Biological Sciences is preferred, with three to five years of related laboratory experience in experimental animal surgical techniques, immunology, and histological techniques. Ability to work independently and also be able to be an integral part of a team. There will also be daily contact with fellows, students, and faculty from Surgery and other sections. If interested please contact:

Katherine E. Rojahn
Associate Research Director
Phone: 773-795-6466
krojahn@surgery.bsd.uchicago.edu

Medical Writer
ACCESS Medical Group, Ltd – Chicago, IL

(Stacey Tobin did her PhD in Teresa Woodruff's lab and is looking for the following individual to fill a position in her group.)

ACCESS Medical Group, Ltd., a medical communications and education company, is seeking a Medical Writer to develop marketing and medical education materials. Candidates should have a demonstrated ability to analyze and interpret scientific and clinical data, excellent written communication skills, organized thought and work habits, and be detail- and deadline-oriented. PhD or PharmD required. Working knowledge of AMA style, Microsoft Word, and PowerPoint essential; Pharma experience a plus. Interested candidates should send their resume by mail or fax to:

Two Tenure Track faculty positions
Texas A&M University – College Station, TX

The Department of Biochemistry and Biophysics at Texas A&M University invites applications for two tenure-track faculty positions with emphasis in x-ray crystallography or macromolecular NMR spectroscopy. Applications at the Assistant Professor level are particularly sought, but outstanding senior candidates will also be considered. In addition to establishing a vigorous independent research program, the successful candidate will be expected to teach at the undergraduate and graduate levels. Review of applications will begin November 1, 2004 and will continue until the position is filled. Candidates should submit a curriculum vitae, a brief description of research plans (not to exceed 5 pages), and arrange for three letters of recommendation to be sent to:

Structural Biology Search Committee
Texas A&M University
Department of Biochemistry and Biophysics
2128 TAMU
College Station, TX 77843-2128

Tao Qiu, a high school student, would like to take a Lab technician position in our department for next summer for about three months. Pay is not necessary and if you are interested in having Tao Qiu work in your lab. If you know of any available opportunities please e-mail:

x-wen2@northwestern.edu

Nayani Pramanik, a recent graduate of Beloit college, is interested in a research assistant position. He recently graduated with a bachelor's degree in Biochemistry with a minor in Physics and has taken key science courses such as Advanced Organic Chemistry, Biometrics, Chemical Equilibrium, Human Biology, Analytical Chemistry, Biochemistry Calculus and Genetics. In addition to his strong academic background, he has also participated in a number of research internships. Pramanik is currently working on an Honors Term project in Beloit College that is awarded on a very selective basis to post graduate students, based on their academic records, to enable them to carry out independent research projects with professors and the community. His project deals with the docking of the Trp-Cage model protein with a Glucagon-Like-Peptide (GLP) receptor homologue (Methuselah), using BioMed CAChe homology modeling software. For a resume and more information contact Pramanik by phone at 847-924-3364, or by email at:

nan_pramanik@hotmail.com



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

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

If you think you would enjoy receiving the Cell or would like to be removed from the mailing list, please refer to the following:

The Cell

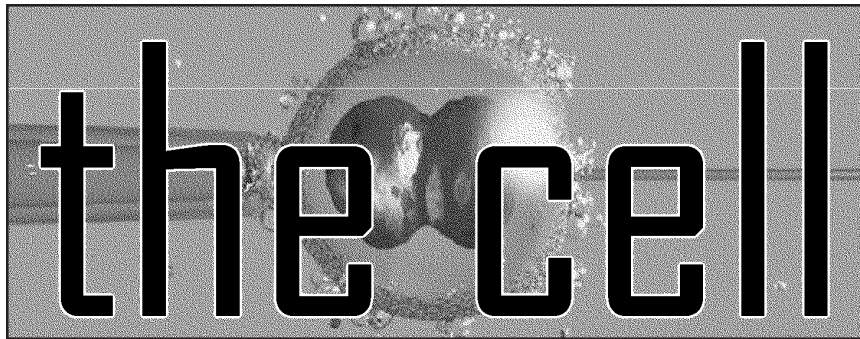
Northwestern University
Department of Biochemistry, Molecular Biology and Cell Biology (BMBCB)
2205 Tech Drive, Hogan Hall 2-100
Evanston, IL 60208-3500

Voice: 847.491.5061

Fax: 847.467.1380

Email: bmbcb@northwestern.edu

Website: www.biochem.northwestern.edu



N O R T H W E S T E R N U N I V E R S I T Y
DEPARTMENT OF BIOCHEMISTRY, MOLECULAR BIOLOGY & CELL BIOLOGY
2205 Tech Drive
Hogan Hall, Room 2-100
Evanston, IL 60208-3500

Voice: 847.491.5061

Fax: 847.467.1380

E-mail: bmbcb@northwestern.edu

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