

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>

No Seminars Until September 16, 2004

IBiS Thesis Seminar

*Inorganic Biochemistry of C2-Containing
Calcium-Binding Proteins and Small-
Molecule Lead Compounds with Mixed
Nitrogen/Sulfur Coordination*
Ryan Anderson
Tuesday, August 3rd
10:00 AM
Nanofabrication Center 4003

Special Seminar

*Solution Structure and Backbone
Dynamics of Coxsackievirus and
Adenovirus Receptor (CAR)*
Shaokai Jiang
Tuesday, August 3rd
11:00 AM
Cook Hall 4123

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SHIPPING AND RECEIVING IMPROVES FACILITY, SERVICE

Nick Woell
Editor

Life Sciences Shipping and Receiving has undergone several changes in response to the ever-increasing demands of growing departments. Office renovations, an extra staff member and an innovative online purchasing system aim to enhance service.

Over the past few years Shipping and Receiving has experienced a boost in the volume of people they support and packages they process.

Supervisor Robert Gill attributes the enlarged workload to departmental expansion. Shipping and Receiving services four departments—BMBCB, NBP, CRS, CBM—which are currently comprised of sixty-one professors in four buildings with the recent additions of Pancoe Pavilion and several new investigators.

Kelvin Loyd was hired last fall to satisfy the demand for more manpower. As well, the Shipping and Receiving office has gone through structural renovations and reorganization including new windows, added computer equipment, office rearranging, and the installation of a safety shower due to the high quantity of hazardous chemicals they receive.

“Shipping and Receiving is in many ways the foundation for the departments,” says Gill, highlighting his office’s vital role. “Investigators and their experiments depend on receiving time sensitive shipments the same day we do.”

The office handles everything from tiny boxes to massive -80 degree freezers. Storekeeper Darren Hardrick estimates that they receive and deliver an average of 150 pieces per day. He notes that his greatest challenge is assuring everyone in the laboratories that their needs are being addressed with the highest levels of commitment and efficiency.

Shipping and Receiving also manages other duties such as refilling the liquid nitrogen tank, restocking copy paper, assisting with package returns and maintaining mountains of records. The office is located in Tech, MG-90. Feel free to let Robert, Darren and Kelvin know how much the department appreciates their dedication.



UPCOMING EVENTS

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Pathway to the Professoriate

Medical School versus Undergraduate Institution


Kelly Mayo & Richard Longnecker

Wednesday, August 11

12:00-1:15 PM

Pancoe 4-103

ISO ANNOUNCEMENTS

 August 20th: The ISO and Einstein's brings you the Bagel Break! Come take a breather and eat a bagel with us in the Tech Courtyard at 3:30pm (Cook 3118 in the case of inclement weather). Doughnuts, Bagels and drinks! Remember: Everyone is invited, so snag your Techs, your dedicated Summer undergrads, professors and come down for a quick break!

NEW PEOPLE



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

Stanislav Zelivianski is a new Research Assistant Professor in the Linzer Lab.

Cheng Huang is a new Post Doctoral Fellow in the Morimoto Lab.

Nicola Stock is a new Post Doctoral Fellow in the Lamb Lab.

Thomas Harrod is a new Research Technician in the Holmgren Lab.

Archana Srivastava is a new Post Doctoral Fellow in the Goldberg Lab.


Margaret Saks is a new Research Associate in the Uhlenbeck Lab.

Veena Prahlad is a new Post Doctoral Fellow in the Morimoto Lab.

GENERAL ANNOUNCEMENTS

 **Professor Amy Rosenzweig** and her husband Kenneth are happy to announce the birth of their new baby girl, Alexa.

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

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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.

Postdoctoral Teaching Fellow

Colgate University—Hamilton, NY

The Colgate University Biology Department seeks applications for a teaching and research fellowship starting in January 2005. The fellowship is intended for a recent Ph.D. in molecular or cellular biology particularly interested in pursuing an academic career at a selective liberal arts college. This is fulltime, 18 month position with duties divided between teaching and research. The teaching component, three courses over the two semester academic year, will include an upper level physiology course and a mentored experience in a foundations course called Molecules, Cells and Genes. Research will be conducted in association with a faculty member in the department, and will include supervision of undergraduate research students during both the summer and academic year, and mentoring in grant proposal writing. Annual compensation is \$35,000 plus benefits. Candidates should submit a curriculum vita and a description of teaching and research objectives. Evaluation of applications will begin August 1 and will continue until the position is filled. Colgate University is an Equal Opportunity/Affirmative Action Employer. Developing and sustaining a diverse faculty and staff further the University's education mission. Please arrange for application and three letters of recommendation to be sent to:

Barbara C. Hoopes, Chair
Department of Biology
Colgate University
13 Oak Drive
Hamilton, NY 13346

Research Associate, Nephrology

Medical College of Wisconsin—Milwaukee, WI

The Medical College of Wisconsin seeks a Research Associate in Nephrology for the Department of Pediatrics. Duties include: Assisting in faculty research into mechanisms of cell recovery from injury by conducting experimental protocols without direct supervision; Overseeing all aspects of lab operations, including work direction of other technical personnel; Carrying out assigned duties for ordering, maintaining supply inventories, cell passage etc.; Developing and implementing new lab assays and techniques; Training and/or demonstrating advanced techniques to faculty, students and

technicians; Evaluating/interpreting/assessing experimental data and quality control assays; Contributing to the compilation of posters, presentations, manuscripts, etc. Position requires Bachelor's degree in Biology or related subject plus 3 years of prior lab experience in medically related field. Masters degree in related field preferred. Prefer experience with flow cytometry and assays of apoptosis. Working knowledge of laboratory procedures and techniques in cellular and molecular biology and facility with tissue culture including maintaining cell lines is helpful. Demonstrated ability to work without direct supervision and evidence of increased responsibility and skills acquisitions in laboratory/research setting helpful. Competitive salary and full benefit package including health, dental, life and disability insurance, paid vacation, sick and holiday time, tuition reimbursement, retirement programs, and professional development funds. Free parking. EEO/AA. To apply send resume to:

Jane Martell
Department of Pediatrics
Medical College of Wisconsin
8701 Watertown Plank Road, MFRC756
Milwaukee, WI 53226

Research scientist/PI

Evanston, IL

Research scientist/PI for a start up biotechnology company located in Evanston. Serve as PI for one or more SBIR grants to investigate biomedical utility of a technology licensed from a local institution. Perform scientific investigations in keeping with the Aims of the grants. Manage relationship with collaborators at partner institution. Oversee the overall operation of the laboratory including managing the budget and purchasing supplies. Track project achievements and report results to the funding agency in keeping with stated procedures. Aid in writing additional Phase 1 and Phase 2 SBIR grants. Recruit and train technical support as needed. Qualifications include A Ph.D. in immunology, cell biology or a related discipline. Experience managing and/or directing multifaceted programs. Experience working with, or for, a start-up biotechnology company or in an entrepreneurial setting. Proven track record of receiving federal grants including co-PI experience is highly preferred. For more information contact:

Josh Schnell
j-schnell@northwestern.edu

Senior Medical Writer

CPE Communications—Chicago, IL

Play a pivotal role in the continued success of an award-winning medical education agency. Be on the cutting edge of medical education with a twist. CPE Communications, a division of Donahoe Purohit Miller, is a leading medical education company seeking a Senior Medical Writer with writing experience and an advanced degree (MS, PhD, PharmD, MD). You will be writing a variety of CME and promotional



materials including slide kits, program invitations and workbooks, monographs, newsletters and electronic communications. You will be the agency liaison between faculty and clients and you will be a key member of our award-winning creative team. Experience in immunology, autoimmune diseases, oncology, or pharmacology a plus. Previous experience in creating CME materials and familiarity with AMA style preferred. Excellent communication skills required. If you are self-motivated, enthusiastic and have strong teamwork skills, we would like to talk to you. CPE Communications is located in Chicago and offers an exciting and challenging environment, with a competitive compensation and benefits package. If you would like us to know about you, please e-mail your resume to:

hr@dpmadvert.com
refer to code #SMW-704
include writing samples
or fax your resume to 312-341-1768

Bio Patent Assistant
Chicago, IL

Individual with a graduate degree in biology (preferably Ph.D.), and a strong biology background (e.g. genetics) to render assistance to senior attorneys at a patent law firm in the preparation and prosecution of patent applications. A legal background is not required. The firm will provide the necessary patent training, which can lead to registration as a patent agent with the U.S. Patent and Trademark Office. The positions involve reviewing invention disclosures, drafting patent applications, interacting with the firm's attorneys and clients, reviewing technical literature, and drafting responses to Patent Office communications. Excellent writing and communication skills and an ability to work independently are required. Please mail, fax or email resume to:

Karen Radius
Two Prudential Plaza, Suite 4900
Chicago, IL 60601
Fax No. (312) 616-5700
kradius@leydig.com

Postdoctoral Position
Evanston Northwestern Healthcare—Evanston, IL

Position is available in the Division of Maternal-Fetal Medicine at Evanston Northwestern Healthcare, a teaching hospital with strong academic affiliation with Northwestern University. ENH Research Institute conducts a broad spectrum of basic science and clinical research and our perinatology research team is focused on understanding molecular mechanisms and developing clinical applications for perinatal and neonatal pathology. This NIH-funded position will allow the candidate to investigate mechanisms underlying fetal growth restriction and to work with others to explore treatment strategies for this serious problem for which there are currently no

therapeutic options. Candidate must have a PhD and laboratory experience in molecular & cell biology. He/She must be able to work independently but also function as part of a research team. Please send curriculum vitae and names and contact information of three references to:

Larry G. Thaete, Ph.D.
Division of Maternal-Fetal Medicine
2650 Ridge Avenue, Suite 1600 WH
Evanston, IL 60201
Lthaete@enh.org



DESIRED POSITIONS

Xiaohong Qin is seeking a position of research technician. She received training in Third Military Medical University, China for Bachelor in Medicine and Master in Medical Science and graduated in University of New South Wales, Australia for Graduate Diploma in Biochemistry and Molecular Genetics; did research project in New York University and Columbia University, USA, and University of New South Wales, University of Sydney, Australia. In the recent 6 years the projects she did a focus on pFCTPS insert gene cloning, expression in recombinant protein system; phage display for biopanning; effect of Sxl-lethal (Sxl) promoter in sex determination by in vitro transcription and in situ hybridization for assaying gene express at RNA level and DNA microinjection, genetic analysis in drosophliae; signal transduction pathway of apoptosis on colon cancer cell with western bolt and protein kinase assay, heterologorous expression of the zinc finger region of transcription factor sp1 in E.coli for further its phosphorylation to explore the binding residues and effect of the costimulation in "non immune" murine model of chronic tubulointerstitial renal disease by administration of anti-PD-1 antibody and anti-CD40L antibody in BALB/c mice and SCID mice. If you are interested, please send an email to:

xqin2@yahoo.com

Lyubov Czech is interested in finding a position in the Department of Biochemistry, Molecular Biology and Cell Biology at Northwestern. He currently works in the laboratory of Dr. Gary Borisy at the Department of Cell and Molecular Biology, as he joined this laboratory to work with a Research Associate Professor in the lab, Dr. Tatyana Svitkina. In the beginning of this year Dr. Svitkina received a faculty position at the University of Pennsylvania and moved to Philadelphia. Therefore, he currently explore employment opportunities in other laboratories within Northwestern University. Although his previous training was in a quite different area of biology, by now he has obtained significant experience in a wide range of cell and molecular biological techniques, including cell culture, immunocytochemistry, fluorescence, phase contrast, and time lapse light microscopy, platinum replica electron microscopy, correlative light and electron microscopy, image and data analyses, DNA transfection, gel electrophoresis, DNA purification, PCR amplification and Western blotting. His research in the laboratory of Dr. Borisy was focused on functions of some actin-associated proteins during attachment, spreading and migration of cancer cells in culture. To get insight into molecular mechanisms of the action of the actin machinery at the subcellular level he used a combination of several approaches, such as depletion of particular proteins using siRNA; analysis of the protein depletion by Western blotting; single and dual channel light microscopic analyses of the distribution and dynamics of GFP-tagged proteins in cells; and electron microscopy of actin cytoskeleton in control and knockdown cells.

lyubov_czech@yahoo.com



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

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The Cell

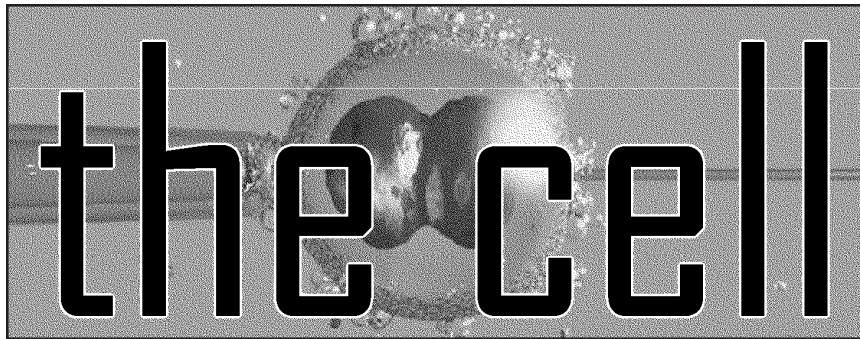
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