



THE CELL

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Molecular Biology and Cell Biology

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Upcoming Events

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

Thursdays at 12:30 PM
Pancoe Auditorium
2205 Campus Drive
Evanston Campus

Thursday, December 11
NO SEMINAR

Thursday, December 18
Sarah Rice, PhD
Northwestern University

Thursday, December 25
NO SEMINAR

Holiday Artisan Show

Tue/Wed/Thu, December 9-11
11:00 AM to 2:00 PM
Pancoe Cafe

ISO Holiday Party

Friday, December 12
3:00 to 6:00 PM
Tech Faculty Lounge

Pathway to the Professoriate

Tuesday, December 23
12:00-1:15 PM, Pancoe 4103
"The Tenure Process"
Jon Widom & Linda Hicke

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BMBCB Announces New Center for Cell Research

The Department of Biochemistry, Molecular Biology and Cell Biology (BMBCB) is proud to announce its latest institutional innovation in the progression of cell and developmental biology research at Northwestern



University—The Center for Cell and Developmental Biology (CDB).

In a collaborative effort to promote the sharing of research facilities and investigative initiatives, BMBCB and the Department of Neurobiology and Physiology (NBP) established the CDB Center to organize and publicize the strengths of NU researchers exploring the pathways and mechanisms involved in allowing single cells to function and interact with their environments and how those cells develop and interact to form entire organisms.

"I expect the Center will provide an important means for life scientists in these fields to think about facility and shared equipment needs, to take on the preparation of multi-investigator proposals, and to stimulate plans for seminars and symposia," says WCAS Dean Daniel Linzer, BMBCB professor and founding father of the CDB Center. "Through its activities, the Center should make the Evanston campus an even stronger environment for researchers in cell and developmental biology to do their work, and should bring even more visibility to this work."

BMBCB Associate Professor Linda Hicke was chosen to head the CDB Center. "Linda is an internationally recognized cell biologist, and has the vision and energy to foster collaborative activities and proposals through the Center," boasts Dean Linzer.

Presiding over the Center's administrative responsibilities such as website development is Program Coordinator Christa Battaglia. With a

continued on page 2

background in graphic design and what Professor Hicke characterizes as a “perfect personality for working with academics,” Battaglia enhances an undeniably promising endeavor that will impel NU cell and developmental biology research to flourish.

For more information on the CDB Center contact:

Christa Battaglia
Program Coordinator
Center for Cell and Developmental Biology
Pancoe 3403
(847) 491-5440
c-battaglia@northwestern.edu



Recent Publications

Russell, C.J., K.L. Kantor, T.S. Jardetzky and R.A. Lamb. (2003). A dual-functional paramyxovirus F protein regulatory switch segment: activation and membrane fusion. *J. Cell Biol.* 163, 363-374.



Honors and Awards

Professor Robert Lamb was the speaker for the nineteenth Shipley Symposium on the Molecular Basis of Microbial Pathogenesis at Harvard Medical School on November 21.

The symposium was followed by a reception and elegant dinner at the Boston Museum of Fine Arts where Professor Lamb received a diploma and cash award from the Shipley Foundation and the Harvard faculty.

Announcements

The 9th Annual Midwest Stress Response and Chaperone Meeting will be held on Saturday, January 10, 2004, in the Allen Center. This meeting is for those interested in the areas of stress response, heat-shock proteins, and molecular chaperones, to present their own work and learn from others working in this field.

The registration deadline for attendees who do not wish to present a poster or give a talk is Friday, January 2. For those who wish to present a poster OR give a talk, the deadline was Monday, December 1.

For online registration and further information regarding location, transportation, schedule, etc... please visit the meeting website: <http://www.biochem.northwestern.edu/ibis/morimoto/MWSM> or contact Kate Veraldi (k-veraldi@northwestern.edu).

New People



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

Meg Barry is a new Research Technician in the Weiss Lab.

Natalie Feliciano is a new Research Technician in the Wang Lab.

Kelvin Loyd is a new Storekeeper for Shipping and Receiving.

Amanda Stein is a new Research Technician in the Carthew Lab.

Hua Zhang is a new Post Doctoral Fellow in the Morimoto Lab.

Ying Zhao is a new Post Doctoral Fellow in the Uhlenbeck Lab.

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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, n-woell@northwestern.edu



Employment Opportunities

A list of available and desired jobs and other opportunities relevant to the Department of Biochemistry, Molecular Biology and Cell Biology. Full descriptions and requirements of positions can be found in the BMBCB Program Office.

Faculty Position in Biochemistry

Where: Old Dominion University - Norfolk, VA

Description: The Department of Chemistry and Biochemistry at Old Dominion University invites applications for a biochemist with interests that may include – but are not limited to – elemental cycling and toxicology in biological microbiological, or ecological systems, natural products applications, and development of taxon/gene specific molecular probes. In addition to collaboration with chemists, biochemists and biogeochemists within the department, opportunities exist for research and teaching collaborations with Old Dominion University faculty in the Departments of Biological Sciences; Ocean, Earth and Atmospheric Sciences; and Civil and Environmental Engineering and with faculty at the Eastern Virginia Medical School. Required qualifications include: a PhD in Biochemistry, Chemistry or a related field; a record of productivity in biochemistry; the ability to conduct a strong externally funded research program and to supervise graduate and undergraduate student research; and a commitment to teaching at the graduate and undergraduate levels. Previous teaching experience and post-doctoral experience are preferred. The position is envisioned as a tenure-track but outstanding applications from more senior candidates will be considered. Review of applicant files will begin November 15, 2003 and will continue until the position is filled. Send curriculum vitae, statement addressing the required and preferred qualifications listed above, statements describing teaching and research interests and experience, and a list of three (3) references (including regular and e-mail addresses and phone numbers) to:

Dr. Elizabeth Austin-Minor
Chairman
Biochemistry Search Committee
Department of Chemistry and Biochemistry
Old Dominion University
Norfolk, VA 23529-0126

Assistant Professor

Where: University of Michigan - Ann Arbor, MI

Description: The University of Michigan Medical School is currently advertising a tenure track position available in the Department of Biological Chemistry. This position will be in the broad area of signal transduction, and in each case the successful candidate will be expected to conduct research of international impact, to train doctoral students and postdoctoral fellows, and to participate in the classroom teaching activities of the Department. Applicants for this position should submit a curriculum vitae, a one page

summary highlighting previous research accomplishments, a two page proposal of future research and have three letters of reference forwarded to:

Professor Kun-Liang Guan
Chair of the search committee
c/o Ms. June Bialecki
5416 Medical Science I
1301 East Catherine St.
Department of Biological Chemistry
University of Michigan Medical School
Ann Arbor, MI 48109-0606

Assistant Professor in Evolutionary Biology

Where: Lehigh University - Bethlehem, PA

Description: The Department of Biological Sciences is seeking candidates with outstanding research programs that employ modern analytical methods in the study of fundamental aspects of the evolutionary process for a tenure-track position that is part of an ongoing institutional initiative in Bioscience and Biotechnology (www.lehigh.edu/~inbios). Areas of specialization are broadly conceived and may include field and/or laboratory studies on the molecular aspects of population genetics, molecular mechanisms of phenotypic expression, cell division, asexual or sexual development, neural/endocrine processes, genome conservation or phylogeny. The successful candidate will have the potential or demonstrated ability to generate extramural funding and have a commitment to instructional excellence at the undergraduate and graduate levels. Applications should be directed to:

Prof. M. Itzkowitz, Chair
Evolutionary Biology Search Committee
Department of Biological Sciences
111 Research Drive
Lehigh University
Bethlehem, PA 18015

Tenure Track Position in Biochemistry

Where: University of Wisconsin, Whitewater – Whitewater, WI

Description: The position will primarily involve developing and teaching a comprehensive undergraduate lecture + laboratory course in Biochemistry with secondary responsibilities teaching introductory chemistry courses and biotechnology / molecular biology courses in line with expertise. The successful candidate will coordinate with members of the Biological Sciences and Chemistry Department to develop a comprehensive Biochemistry program between the two departments. Research involving undergraduate students, pursuit of extramural funding and publication in peer-reviewed journals is expected. A Ph.D. in Biochemistry is required. Evidence of commitment to undergraduate teaching and research supervision, scholarly activity, peer-reviewed publication and a team attitude are required. It is also expected that the successful candidate will be committed to rigorous standards in the areas of safe laboratory practices and waste disposal. A complete application packet consists of a letter of application, comprehensive curriculum vitae, statements



of teaching philosophy and research plans, copies of all academic transcripts, and three current, confidential letters of recommendation. Interested persons should apply in writing to:

Dr. Philip T. Johns, Chair
Biochemist Search
Department of Chemistry
University of Wisconsin – Whitewater
Whitewater, WI 53190
johnsp@uww.edu

Tenure Track Position in Department of Chemistry

Where: Indiana State University – Terre Haute, IN

Description: Indiana State University Department of Chemistry seeks applications for a tenure-track position in the area of biochemistry at the assistant professor level. A Ph.D. in chemistry, biochemistry or related area is required and postdoctoral experience is highly desirable. The successful candidate should demonstrate a strong commitment to undergraduate education and is expected to develop an active research program involving undergraduates. Collaborative, interdisciplinary research is encouraged. Review of applications begins December 15 and will continue until the position is filled. Applications should include a CV and statements of research plans and teaching philosophy. Applicants should arrange to have three letters of recommendation sent to:

Professor W.H. Flurkey, Chair
Biochemistry Search Committee
Department of Chemistry
Indiana State University
Terre Haute, IN 47809

Assistant/Associate Professor – Microbial Pathogenesis

Where: North Carolina State University – Raleigh, NC

Description: The Department of Microbiology at NC State University invites applications for a tenure-track faculty position at the assistant professor or associate professor level. The candidate is expected to develop an active, extramurally funded research program employing functional genomics in the study of Microbial Pathogenesis (bacterial/viral). Teaching responsibilities will include participation in the department's undergraduate and graduate level courses in Microbial Pathogenesis. Advising graduate and undergraduate students and involvement in other scholarly activities on campus is also required. The Department of Microbiology has excellent facilities and enjoys productive interactions with interdepartmental Genomic Sciences, Immunology, and Biotechnology programs. Applicants must have a Ph.D. and at least three years of postdoctoral experience in the area of Microbial Pathogenesis. To be considered for the rank of Associate Professor, candidates MUST have external funding in Microbial Pathogenesis, and possess the qualifications required to be appointed at that rank. Application deadline is January 7, 2004, but applications will be accepted until the position is filled. Applicants should provide a letter of intent describing qualifications and interest along with statements of career goals in research and philosophy of teaching, curriculum vitae, copies of academic transcripts, and the names and contact information of three references to:

DR. Gerry Luginbuhl

Box 7615
North Carolina State University
Raleigh, NC 27695-7615

Research Position

Where: National Center for Agricultural Utilization Research, Crop Bioprotection Research Unit – Peoria, IL

Description: The researcher provides chemistry expertise to an interdisciplinary team assigned to develop cost-effective technologies for the mass production and formulation of biological agents to control crop pests, including diseases, weeds, and insects. The incumbent will conduct research to discover and identify key chemical factors involved in the biological control process and agent viability and stability and to develop novel formulation chemistries and methods for delivering the agents. Specific studies will focus on microbial agents deemed by the research team to have high potential for commercial application. The incumbent will use microbial cultures, targeted bioassays, chemical reactors, distillation systems, dryers, chromatography, high-performance liquid chromatography and gas chromatography, mass spectrometry, infrared and nuclear magnetic resonance spectroscopy and other advanced methods and tools for chemical isolation, identification, characterization, synthesis, and preparation. The research will lead to the development of low-cost, commercially available microbial agents for the control of troublesome plant diseases, weeds, and insects. To apply, send a resume, curriculum vitae, and Optional Application for Federal Employment (OF-612), or SF-171 to:

USDA, Agricultural Research Service
Human Resources Division
ATTN: Western Services Branch ARS-X4W-0046
5601 Sunnyside Avenue
Beltsville, MD 20705-5106

Dean of the School of Natural Sciences and Mathematics

Where: University of Texas at Dallas – Richardson, Texas

Description: The University of Texas at Dallas (UTD) seeks nominations and applications for the position of Dean, School of Natural Sciences and Mathematics (NS&M). The School consists of the Departments of Molecular and Cell Biology, Chemistry, Geosciences, Mathematics and Statistics, Physics, and Science and Mathematics Education. The priorities of the next Dean of the School of Natural Sciences and Mathematics will include guiding the recruitment and hiring of new faculty who can provide leadership for expanded research activities, prioritizing investment decisions in research areas, leading School-wide efforts to secure major interdisciplinary multi-investigator grants, and fostering synergistic research collaborations with UTD's other science and engineering programs and from other Dallas-area institutions of research and education. The new Dean should have a record of scholarly achievement appropriate for a tenured faculty appointment in one of the School's Departments. Desired qualifications include administrative experience at the equivalent of at least departmental leadership, a record of successful extra-mural research funding, and a comprehensive perspective on national priorities in science

research and education. Nominations and applications may be forwarded to:

deansearch@utdallas.edu
or to
Search Committee for Dean of Natural Sciences and Mathematics
Office of the Executive Vice President and Provost
The University of Texas at Dallas
PO Box 830688, MS AD23
Richardson, TX 75083-0688

Field Research Assistants

Where: North Central Arizona

Description: Field assistants are needed for ongoing, long-term study of the behavioral ecology and life-history evolution of a high elevation avian community. 8 nest searchers, 4 mist-netters, and 4 mist-netting supervisors are needed. Field assistants will have the opportunity to gain experience in many of the field techniques used in avian research. The field camp is remote and primitive and requires tent-living (you must provide your own tent). The project runs from May 1 to July 31 with 12 days on and 2 days off, with a monthly stipend of \$700 for intern positions and \$1100 for supervisor positions. Prior experience with birds is desirable but not required; enthusiasm and a strong work ethic are more important than experience. Those applying for the mist-netting supervisor positions must have a minimum of 3 months banding experience, preferably with MAPS protocol. Review of applications is occurring now and will continue until positions are filled (no later than April 1, 2004). Please submit your cover letter, resume, and 3 references to:

TJ Fontaine
205 Botany
University of Montana
Missoula, MT 59812
Or by email: joseph.fontaine@umontana.edu

Assistant Professorship

Where: Northern Kentucky University - Highland Heights, Kentucky

Description: Northern Kentucky University invites applications and nominations for 2 tenure-track positions at the level of Assistant Professor of Chemistry, to begin August 1, 2004. Candidates should have a strong interest in teaching and research at a primarily undergraduate institution and will be expected to develop research programs suitable for undergraduate participation and with a strong likelihood of external funding. The teaching assignments will include courses in the candidate's specialty, general chemistry, and possibly other courses for science and non-science majors. A Ph.D. is required for both positions; post-doctoral experience is preferred. They expect to hire one Analytical Chemist who had a demonstrated background and interest in modern instrumentation (NMR, GCMS, etc.). The second position will be filled with a Biochemist whose training and research experience integrate biochemistry with another traditional sub-discipline of chemistry, such as analytical, inorganic, or physical. (This second position is dependent on final approval of funding). Candidates can expect a competitive salary and start-up research funds. More information about the department can be found at the Northern Kentucky



University website, <http://www.nku.edu>. Review of applications will begin on October 20, 2003, and continue until the position is filled. Applications, which should include a CV, statement of teaching and research interests, and names of 3 references, should be sent to:

Dr. Diana McGill
Chair, Department of Chemistry
Northern Kentucky University
Highland Hts, KY 41099-1905.

Tenure Track Position in Biochemistry

Where: Texas Tech University – Lubbock, Texas

Description: The Department of Chemistry and Biochemistry at Texas Tech University invites applications for a tenure-track position in biochemistry at either the Assistant Professor or Associate Professor level, beginning with the Fall 2004 semester. Texas Tech University, which is classified as a Doctoral Research University-Extensive by the Carnegie Foundation, has an enrollment of 28,700 students and is one of the major, state-supported, multidisciplinary universities of the Southwest. It offers approximately 104 master's degree programs and 57 doctoral programs, with Schools of Medicine and of Law located on the main campus. Within the University, the Department of Chemistry and Biochemistry, with 28 tenure-track faculty positions, is among the top academic units in terms of funded research and graduate education. Review of applications will begin on January 12, 2004. Applications, which should include a curriculum vita, a proposal outlining the applicant's plans for research that he/she would carry out as a Texas Tech faculty member, and three letters of recommendation, should be sent to:

Dr. David B. Knaff, Paul Whitfield Horn Professor
Texas Tech University
Box 41061
Department of Chemistry and Biochemistry
Lubbock, TX 79409-1061

Assistant / Associate Professor – Animal Physiology

Where: Dominican University – River Forest, Illinois

Description: Dominican University seeks candidates for a tenure-track Assistant/Associate Professor position to begin August 2004. The successful candidate will teach human anatomy and physiology and upper division courses in his or her area of expertise. Participation in the undergraduate colleges interdisciplinary seminars is also encouraged. A Ph.D. in an appropriate field is required as is a commitment to teaching and scholarship. Preference will be given to applications received by December 15, 2003. Applicants should send curriculum vitae, statement of teaching philosophy and research interests, official transcripts and three letters of reference to:

David M. Craig, Chair
Department of Natural Sciences
C/o Dianne Zimmerman, Executive Director of Human Resources
Dominican University



Biology Instructor

Where: College of DuPage – Glen Ellyn, Illinois

Description: This is a full-time, tenure track position to teach a full range of biology courses. A Masters degree in Biology is required. Experience teaching Biology at the college level and experience with innovative lab and lecture instruction is essential. For the position, experience teaching at a community college is preferred. Additional duties include advising students, curriculum development and committee work. Opportunities may exist to teach a flexible schedule that may include days, evenings, and weekends and will be available in September 2004. Candidates should be prepared to demonstrate their credentials and ability to teach in each field. Skills and contributions that make a lasting impression deserve lasting rewards, such as competitive salaries and benefits for full-time faculty, including health/dental/vision/life insurance, employee assistance, disability, long term care, extended leaves, retirement and savings, educational development, and more. For confidential consideration please apply online at www.cod.edu/gen_info/hum_res/.

Part-time Teaching Position

Where: South Suburban College of Cook County – South Holland, Illinois

Description: South Suburban College, an accredited community college in Chicago's southern suburbs, enrolling over 10,000 students in its career and transfer programs, is seeking candidates for the following full-time (tenure-track) and part-time positions available in Academic Services, beginning January 20, 2004. Part-time Faculty is needed in the following areas: Anatomy and Physiology, Microbiology, and General Biology. Requirements include a Master's degree in biology or related field. Community college teaching experience is preferred. Salary is commensurate with education and experience. Please mail your transcripts, resume and cover letter indicating position of interest to:

South Suburban College
Office of Human Resources
15800 S. State St.
South Holland, IL 60473

Academic Adviser and Lecturer in one of the Natural Sciences, Mathematics or Statistics

Where: Weinberg College of Arts and Sciences – Northwestern University

Description: Weinberg College seeks a full-time College Adviser/Lecturer for the 2004-05 academic year (September 1, 2004, through June 30, 2005). If mutually desired, this appointment will be renewed for two additional years and subsequent three-year terms. College Advisers hold staff appointments in the Office of Undergraduate Studies & Advising and non-tenure-line faculty appointments in an academic department in the College. This is a new position. The new appointee will advise students who will be sophomores in 2004-2005; if reappointed, he or she will advise the same cohort of students as juniors and again as seniors. College Advisors teach one or two courses yearly by arrangement with the associate dean

and the department chair. The associate dean may assign additional tasks: e.g., service as liaison between the Office of Undergraduate Studies & Advising and Weinberg College's departments and programs; service in the self-documentation and analysis of the College's current ambitious and expanding initiative in undergraduate advising. Requirements include a Ph.D. in an academic field represented in the College's science, mathematics, or statistics curriculum; a commitment to a liberal arts education for undergraduate students; a keen interest in providing helpful and timely advice on academic matters to undergraduate students; a strong record of undergraduate teaching; excellent communication, analytical, and problem-solving skills; ability to master relevant campus policies and procedures; clarity of mind and a positive attitude. Review of applications will begin on January 31, 2004. Send a letter of application, curriculum vitae, and teaching evaluations – and arrange for three letters of recommendation, at least one commenting on teaching qualifications – to be sent directly to:

Craig R. Bina
Associate Dean for Undergraduate Studies
Weinberg College
Northwestern University
1922 Sheridan Road
Evanston, IL 60208-4030

Field Application Scientist

Where: Stratagene, 1 based in Chicago, Baltimore or Raleigh and 1 based in Boston

Description: Stratagene is a biotechnology company that produces innovative products for life science research. They are committed to providing dynamic and progressive research and developing an environment where their employees can build their careers. The successful candidate will be responsible for application support of QPCR and Microarray products. This includes presales seminars, product use training, post sales support and public seminar presentations. Qualifications include: a Masters degree in Biology, Microbiology, or related field and a minimum of one year related experience and/or training; or equivalent combination of education and experience; a Ph.D. is preferred, hands on experience with real time QPCR and Microarrays required, and must be able to travel at least 50% of the time. We offer a competitive compensation package including matching 401k. To apply or learn more about this position and others, visit: http://www.stratagene.com/Careers/apply_online.aspx.

Research Associate- Pediatric Gastroenterology

Where: Medical College of Wisconsin – Milwaukee, WI

Description: This job gives an opportunity to understand how the digestive organs develop, with applications to birth defects, organ failure, and cancer. Duties include caring for and breeding of zebrafish strains; processing fish embryos and larvae; interacting with fish facility staff; maintaining experimental records, instrument logs, and standard operating procedures; assisting in preparation of data for manuscripts, grant applications, and other reports; maintaining laboratory supply inventory; and assisting in the training



of students/research staff on specific procedures as needed. Requirements are a BS in molecular biology or biochemistry plus 2 years related lab experience or a Master's degree in molecular biology, biology, biochemistry, or pharmacology. Ability and willingness to work regular hours as necessitated by research protocols and strong organizational and time management skills are necessary. For more information, visit the website, <http://www.mcw.edu/hr>. To apply, send resume to:

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

Desired Positions

Fawad Taj is a third-year M.B., B.S. student at the Aga Khan University. He is interested in obtaining a challenging position in current research. He would like to apply for a position in a research team for the months of July and August 2004. Last summer, he worked with professor S.G. Oliver at the University of Manchester School of Biological Sciences as part of the trans-complementation group, using yeast as a model organism to look for human homologues of essential genes. He also worked under Professor Philippe Fossard at Aga Khan University on a few association studies (related to field of genetics). He was able to get hands-on experience with molecular biology protocols and laboratory techniques.

Fawad Taj
+92-300-2289982
fawadtaj@hotmail.com

Joseph Harris was a research Technologist at Northwestern University Medical School. The department that he worked for ran short of funding a few weeks ago which resulted in a reduction of lab staff. He would really like to discuss opportunities that may be available.

Joseph Harris
847-733-0130
j-harris6@northwestern.edu

Soumen Chakraborty is working at the University of Illinois at Chicago. Soumen completed her Ph.D. on the molecular ecology of toxigenic *Vibrio cholerae*, the deadly organism that causes severe diarrhea. Soumen's post-doctoral work was on two genes, namely the proto-oncogene, ecotopic viral integration site 1 (EVI1) which is inappropriately expressed in haematopoietic cells and the general transcription factor AML1. Soumen's research interest includes gene regulation and post translational modifications, cell cycle events and regulation/deregulation of chromatin architecture.

Soumen Chakraborty, Ph.D.
312-413-2875

Manoranjan Santra is looking for a position in a lab. She is confident that her supervisory, technical and research experience in research laboratories would enable her to make a significant contribution. She has published extensively in peer-reviewed journals. Manoranjan is skilled and has a strong background in molecular biology techniques, particularly cloning, gene synthesis, DNA and RNA isolation, preparation and screening of cDNA and genomic libraries and vector construction. She has excellent skills with protein expression and purification as well as excellent computer skills and proficiency in commonly used DNA analysis tools. She has identified two novel genes; one is proteoglycan which may be a cancer response element involved in angiogenesis and metastasis and the other is decorin-induced gene. Its sequence has been submitted to NCBI gene bank (accession # AY210413). She is a productive and enthusiastic molecular biologist and can work both independently as well as on a team on any project and would greatly appreciate the opportunity to work in a lab.

Manoranjan Santra
m-santra@northwestern.edu

Rachel Grau is seeking a research technologist position. She is currently getting her Masters in microbiology at Western Illinois University. She has had experience as a graduate teaching assistant, lab biologist, and is currently a microbiologist in the Sterilization Microbiology Department and Screening Microbiology Department at Pharmaceutical Systems, Inc. For more information, please contact:

Rachel L. Grau
Phone: (847) 774-3582
reunic@yahoo.com

**Happy Holidays
from the Department
of Biochemistry,
Molecular Biology
and Cell Biology!**

Now accepting: Event announcements, articles 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:

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