ANNE, the Benefit

“Annie,” one of America’s favorite family musicals, will be presented here this month during seven performances at the Charleston Music Hall in downtown Charleston. The cast includes our own Professor Bryan Toole in the role of President Franklin Roosevelt. “Annie” proceeds will benefit five local groups, including MUSC Children's Hospital, Trident Academy, PURE Theatre's Outreach Program, Cystic Fibrosis Foundation and Pet Helpers. Performances are slated for April 6, 7, 12, 13 and 14 at 7 pm. Matinees will take place April 7 and 15 at 2 pm.

For reserved tickets, contact Show Clix at 1-888-71-TICKETS or at anniethemusical.showclix.com. Ticket prices are $25 for adults, $20 for children (under 18 years), and $22.50 for seniors and students.

Women Scholars Initiative

Dr. Hammad, the Leader of the Workshops Program for the MUSC Women Scholars Initiative (WSI), in conjunction and support of the COM Dean, organized a two-day visit of the nationally-known former CNN Executive VP, diversity expert and best-selling author, Gail Evans to speak to the MUSC community on Tuesday, March 27 on “Race, Gender & Ethnicity in the Workplace.” Special seminars and workshops on issues important for the success of professional women were organized. For recorded resources please visit the WSI website.

New Additions

Jessica Burnside, from Dr. Sugi's Lab, gave birth to John Christian Burnside, at 1:18 pm on March 16. He weighs 9 lbs 8 oz. Both Jessica and Christian are doing well, and according to Jessica, he is a great sleeper and a calm boy.

New Employees

Please Welcome Paula Rossin, our new Administrative Assistant. Paula joined the Department on March 12th and we are happy to have her as a member of our team.

For the past 10 years Paula cared for her mother who passed away last September. Prior to that she worked at the University of Minnesota Medical School in the Department of Medicine for 9 years. Paula has a Bachelor of Music degree and serves part-time as Assistant Organist at Grace Episcopal Church in downtown Charleston. She grew up in Minneapolis, Chicago, Aiken, SC, Boston and Houston. Paula’s son Matt lives in Minneapolis, MN.

Expressions from Paula - I am honored to be working with the Regenerative Medicine and Cell Biology Department at MUSC. In a sense, I feel I have come home as I love working in academic medicine. All of you have made me feel most welcome.
CDBC Symposium, 2012

This year’s CDBC Symposium, “Translational Relevance of Studying Cardiovascular Development”, was held March 14-16 in the department Conference Room.

Dr. Shoumo Bhattacharya presented the Taber Lecture on “Gene-environment interactions in cardiac development”. The Taber Reception followed at the Governor Thomas Bennett House.

Research

Recent Funded Grants

R01 Grant awarded to M. Kern (Co-I), R01 DE021134, “Integrating Biomechanics and Cell Biology to Understand TMJ Pathology”, Project Period: 03/01/2012 - 02/28/2017.

R21 Grant awarded to Kelley M. Argraves and Sinai Zyblewski (Co-PIs), R21 HL109829, “S1P Deficiency Prolongs Endothelial Barrier Recovery After Fontan Operation”, Project Period: 04/01/2012 - 03/31/2014.

Recent Publications


Honored Publications

A recent paper by D. Grass, M. Bratoeva, and B. Toole: Regulation of invadopodia formation and activity by CD147 (J. Cell Sci., 2012, Feb 1), has been selected and evaluated by a Member of the Faculty of 1000 (F1000), which places this work in the F1000 library of the top 2% of published articles in biology and medicine.

Education

Outstanding Teacher

Dr. Thierry Bacro was named an Outstanding Teacher in February, 2012 for the College of Medicine.
Proteogenomics Facility Introduces Next-gen Sequencing at MUSC

The MUSC Proteogenomics Facility is pleased to unveil its new next generation (next-gen) sequencing instrumentation, a Life Technologies Ion Torrent Personal Genome Machine (PGM). Acquired with institutional support and extramural funds from the NIH-funded COBRE for Cardiovascular Disease and the NSF-funded SC Project for Organ Biofabrication, the Ion PGM is the first next-gen instrument at MUSC, and the first Ion PGM in South Carolina. Remarkable because of its innovative sequencing chemistry, Ion Torrent replaces the more traditional fluorescence detection methods with semiconductor-based detection, translating the chemical signal associated with base additions into digital information. The resulting instrument operates appreciably faster than traditional sequencing platforms, and is scalable in terms of read-length and sequencing depth.

Dr. Scott Argraves, Director of the Facility, expects that next-gen sequencing service with the Ion PGM will dovetail with the broader genomic initiatives at MUSC, providing a flexible platform for a broad range of next-gen sequencing applications, and serving investigators with rigorous sequencing needs while also accommodating those preferring a measured entry into the next-gen sequencing arena. Well suited to mid-range sequencing applications, the Ion PGM can be used for small genomes, deep sequencing of gene sets or enriched genomic content, ChIP-Seq, miRNA-Seq, and targeted RNA-Seq. The instrument has a rapid run time (90-minute for 100-base sequencing runs) and a current estimated output of 10Mb to 1 Gb per run, depending on the sequencing chip format used. Investigators interested in seeking service or in discussing potential sequencing applications should contact Dr. Jeremy (Jamie) Barth (barthj@musc.edu; 843-792-9984).

Calendar

April 4  NSF Project Thrust Leaders Meeting, COBRE Video Conference Room BSB 606, 3 pm.
April 11  SEMINAR - Dr. Ying Mei, Clemson/MUSC Bioengineering Program, “Combinatorial Development of Biomaterials for Self-Renewal of Human Pluripotent Stem Cells”, Conference Room BSB 611, 12 pm.
April 11  NSF Project Thrust Leaders Meeting, COBRE Video Conference Room BSB 606, 3 pm.
April 18  SEMINAR - Dr. Craig Thomas, NIH Chemical Genomics Center, “Innovations in Discovery and Translational Research at the NIH Chemical Genomics Center”, Conference Room BSB 611, 12 pm.
April 18  NSF Project Thrust Leaders Meeting, COBRE Video Conference Room BSB 606, 3 pm.
April 21-25  FASEB Experimental Biology Meeting in San Diego, CA.
April 25  Administrative Professional’s Day.
April 25  NSF Project Thrust Leaders Meeting, COBRE Video Conference Room BSB 606, 3 pm.

Dates and Times subject to change. Check the website for up to date information.