College of Medicine
Biomedical Sciences Graduate Program E-Newsletter
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For the Week of April 10, 2016

Graduate School News

Elizabeth McMichael, PhD Candidate

Elizabeth L. McMichael, B.S.
PhD Candidate
Advisor: Dr. William Carson

"Role of Interleukin-21 and the Interleukin-21 Receptor in Natural Killer Cell Activation"

April 13, 2016
The James L035
2:00 pm
Please see her booklet at: medicine.osu.edu/bsgp/alumni/dissertation-defense-archives/Documents/Liz%20McMichael%20Booklet.pdf for details regarding her public defense if you wish to attend.

Hussam Sahli, PhD Candidate
Hussam E. Salhi
PhD Candidate
Advisor: Dr. Brandon Biesiadecki

"Integration of Troponin I Phosphorylations to Modulate Cardiac Function"

April 12, 2016
Hamilton Hall 302C
10:00AM
Please see his booklet at: medicine.osu.edu/bsgp/alumni/dissertation-defense-archives/Documents/IBGPDefenseBooklet-%20Salhi.pdf for details regarding his public defense if you wish to attend.

Komal Rambani, PhD Candidate
Komal Rambani
PhD Candidate
Advisor: Dr. Gustavo Leone

"A genome-wide screen in C. elegans identifies cell non-autonomous suppressors of oncogenic overproliferation"

April 14, 2016
105 Biomedical Research Tower
12:00 PM
Please see her booklet at: http://medicine.osu.edu/bsgp/Documents/IBGPDefenseBooklet.pdf
Deadlines & Events

Deadlines
Presidential Fellowship applications due - March 25
Doctoral report forms-April 15
Final approved theses/dissertations-April 22

Events
Graduate Studies Committee Chairs Meeting (REGISTER)-February 3, 3:30-5
3MT Final-April 11
Fulbright and Fulbright-Hays Reception-April 11, 4:30-6
Commencement-May 8

Guidelines for Short-Term Absences and Leaves of Absence for Graduate Student GAs, Fellows, and Trainees

Did you know that the OSU Graduate School has guidelines around graduate student leave longer than two weeks? To learn more visit: [http://www.gradsch.osu.edu/appendix-e.html](http://www.gradsch.osu.edu/appendix-e.html)

These guidelines formalize a set of practices to be used by academic and administrative State to support graduate associates (GAA, GRAs, and GTAs, collectively referred to as fellows and trainees during instances of personal and/or family illness, bereavement, chil adption.

Events

Ohio Virology Association Presents: Mark Peeples, PhD

Mark Peeples, PhD
Professor, Department of Pediatrics
Professor, Department of Molecular & Cellular Biochemistry
Center for Vaccines and Immunity, Nationwide Children's Hospital

"What a Pair! The RSV Attachment Protein and Its Real Receptor"

Thursday, April 14, 2016
Food and social: 5:30 - 6:00 pm
Seminar: 6:00 pm - 7:00 pm
Main campus: 400 Prior Library

Pathology Research Retreat

We are pleased to announce that the Pathology Research Retreat Committee is now ac
for the poster and platform presentations at the 1st Annual Pathology Research Retreat place Friday, June 17th. There will be awards given and winners announced in both clinic experimental categories.

Those interested in participating in this year’s Research Retreat must submit a complete Submission Form as well as a document with your abstract in order to be eligible. Please submissions to Courtney at courtney.saby@osumc.edu. Deadline for submission is Friday, April 15th.

The Research Retreat will consist of: poster presentations, a keynote address, 4 chosen Presentations, and an awards ceremony. More information and details to follow. The keynote address will be delivered by:

Michael A. Caligiuri, MD
Director, Comprehensive Cancer Center
CEO, James Cancer Hospital & Solove Research Institute
JL Marakas Nationwide Insurance Enterprise Foundation Chair of Cancer Research
The Ohio State University

We look forward to your participation in the 1st Annual Pathology Research Retreat - see you June 17th!

Tech Strategy 16.2

April 19, 5:30-8:30 p.m.
Faculty Club
Interested in a career in data/analytics? Join TechLife Columbus and Translational Data Analytics @ Ohio State for a special networking event exclusively for Ohio State students. It’s a rare network with more than 100 CEOs and senior leaders from start-ups/small businesses in Central Ohio. Register (space is limited)
Contact: Translational Data Analytics

Using Individual Development Plans to Enhance Both Research Productivity Development

Cynthia Fuhrmann will join us on Apr. 26 at 4:00 pm in the US Bank Theater of the Ohio seminar entitled, "Using Individual Development Plans to Enhance Both Research Productivity Career Development." Dr. Fuhrmann is the Assistant Dean for Career & Professional Development at UMass Medical School. She is also one of the creators of the myIDP career planning to

http://myidp.sciencecareers.org/

RSVP: go.osu.edu/myIDP
Other Information

Cincinnati Children's Research Foundation Postdoctoral Opportunities

Cincinnati Children's Hospital Medical Center (CCHMC) is a premier pediatric research institution over 900 diverse and productive faculty members. Here, researchers work collaboratively specialties and divisions to address some of the biggest challenges we face today in improving health. A strong network of research support services and facilities, along with institution to research, push our team of faculty, postdocs and support staff to explore the boundaries possible, leading to significant breakthroughs. We are driven by our mission to improve and transform the delivery of care through fully integrated, globally recognized research, education, and innovation.

Post-doctoral research fellows at Cincinnati Children's are valued for their unique interests and strengths, and are supported by our institution's strong programming through the Office of Postdoctoral Affairs and the Office of Academic Affairs and Career Development. Mentoring, support for international students and an emphasis on crafting high-quality grant proposals are only a few of the features that set our program apart. Cincinnati Children's is a respected part of the broader, and very vibrant, Cincinnati community. With a thriving arts scene, numerous festivals celebrating music and food, a following for our college and professional sports teams, and a variety of opportunities for activities, our region is truly a great place to work and live.

Please view the website to see all of the postdoc opportunities at Cincinnati Children's: http://www.cincinnatichildrens.org/education/research/postdoctoral/current-openings/

Applications Open - CCST Sciences and Technology Policy Fellows

California's State Legislature is looking for a few good scientists to trade their lab coats for business suits, and swap molecules and equations for committee hearings and bill analyses. That's the opportunity being offered by the CCST Science & Technology Policy Fellowship California Council on Science and Technology (CCST). CCST is now seeking applicants for its 2017 Fellowship class, and applications opened this week on December 1st.

"CCST's mission is for science to inform decision-making in California," says CCST Deputy Director Amber Mace, who oversees the fellowship program. "And what better way to do that than to embed PhD scientists directly with decision-makers? So CCST created a program to train and mentor scientists and engineers in the policymaking process, and place them as staffers with Assembly and Senate offices in the California State Legislature."

The Fellowship is open to scientists holding a PhD degree, professional engineers, medical doctors, and those holding equivalent degrees in veterinary medicine, dentistry, and certain social sciences. Fellowship placements have included both Democratic and Republican legislators in the Assembly and Senate. About 10 fellows are accepted each year from around the country, with degrees from more than 30 institutions including Stanford, Cornell, Duke, Emory, and University of California campuses.

The Ohio State University: Postdoctoral Researcher in Pharmaceutics

An entry level postdoctoral position is immediately available in the laboratory of Dr. Sharyn Baker. Baker's lab is part of the Division of Pharmaceutics in the College of Pharmacy. Dr. Baker is the Chair of Pharmaceutics and the Gertrude Parker Heer Chair in Cancer Research. Research in this NIH-funded lab involves studying the pathogenesis, treatment and resistance mechanisms of acute myeloid leukemia (http://www.bloodjournal.org/content/122/22/3607.long?ssd=checked=true). We are seeking a motivated, productive, creative entry level Postdoctoral Researcher in cancer pharmacology and therapeutics. A successful candidate will work in a collaborative and multidisciplinary environment to investigate molecular mechanisms involved in regulating therapeutic efficacy and cancer progression.

Qualifications:

- Ph.D in Cell/Molecular Biology, Pharmacology or a related discipline. Research experience in Cell Biology and/or Pharmacology is a preferred. Experience in murine handling, murine cancer models, and expertise in flow cytometry is essential.

Please view the website to see all of the postdoc opportunities at Cincinnati Children's: http://www.cincinnatichildrens.org/education/research/postdoctoral/current-op
culture, cell viability assays and molecular biology is encouraged. Competitive candidate awarded their Ph.D no more than two years before submitting the application and have no more than two years) postdoctoral research experience. Candidates expected to finish the mentioned fields within a few months are encouraged to apply. Excellent scientific writing ability, strong oral communications skills, as well as ability to apply for grants/fellowships by federal funding sources.

How to apply:
Applicants can apply by emailing Dr. Baker's lab manager Daelynn Buelow at buelow.18@osu.edu. Applicants should include a cover letter, curriculum vitae and a list of 3 potential references. Applications will begin immediately and continue until the position is filled. Questions/Applications regarding this position should directed to Daelynn Buelow (buelow.18@osu.edu) to ensure consideration.

Full Time PhD Openings at Procter & Gamble in Cincinnati or Boston

Research and Development - PhD - Human Safety Toxicologist-RND00003111
Procter & Gamble’s Global Product Stewardship organization has an immediate entry level PhD level scientist in the areas of Human Safety/Toxicology and Physiologically Based I (PBPK) Modelling. The successful candidate will provide human safety support for current products and upstream technologies, concentrating on how safety reassurance can be provided for consumer products. This work will occur in a technically challenging and globally diverse environment.

Research and Development - PhD - Product Vigilance Manager-RND00003107
Consumer safety and global compliance are of the utmost importance to Procter & Gamble, and these best healthcare professionals to act as stewards in these critical areas and to work to improve our products. We have a position for a Product Vigilance Manager within our Global Safety Surveillance & Analysis organisation based at our Mason Business Center, north of Cincinnati, Ohio. As a Product Manager it is your responsibility to manage, monitor and understand in-market product safety for products sold worldwide in order to i) ensure consumer safety and regulatory compliance existing systems and improve current work processes for safety surveillance and iii) analyze related consumer complaints for signal detection and continual product improvement. You will be the subject matter expert within Global Safety Surveillance & Analysis with respect to the in-market safety profile, symptom profile and special issues for your assigned product categories. You will obtain a good understanding of relevant regulations and will ensure that all regulatory submissions are in accordance with applicable regulations and requirements. You will be the product vigilance single point of contact for other P&G functions. You will be responsible for signal detection and signal management activities associated with your assigned product categories.

Research and Development - PhD - Computational Biologist/Bioinformaticist-RND00003
Procter & Gamble's Bioinformatics team is a group of computational biologists - scientist the power of computer-based analytical techniques to explore biological datasets to help organization: 1) develop fundamental understanding of biology related to our business into other mechanisms of action needed to provide consumer benefits, 3) identify specific molecules deliver these benefits, 4) prepare patent applications to protect intellectual property associated with novel approaches developed to do this work, and 5) support the "credentialing" of this science with external stakeholders (e.g., thought leaders; science editors; consumers of our products).

Computational biology/bioinformatics has become a critical component of life science-based work. Increasingly sophisticated experimental techniques and a concurrent reduction in the problem widely recognized by the lay public in broader terms. Such techniques include Whole Genome Sequencing, chip-based gene expression profiling, next-generation RNASeq-based characterization of differential gene expression, metagenomic sequencing of entire microbial communities, etc. One experiment can yield literally millions of datapoints. It would be truly impossible to analyze these data in a meaningful time frame using traditional, line-by-line methods. Computational biology, thus, critical to the success of these technologically advanced approaches.
An effective computational biologist will possess a unique hybrid skill set, having: a) a strong background in high-level mathematics (to generate algorithms needed to mine these datasets), b) advanced computer science skills (to encode these algorithms in computational code needed to run the analyses), and c) a sufficient background in the biology being studied (so that the algorithms/code generated are relevant to the biological hypotheses being explored).

**Research and Development - PhD - Computational Biologist-RND00003069**
This role is a full-time position focused on the development and application of continuum-based (ODE) physiological models of biological systems to enable or inform early decision-making on the selection of biological targets and materials for conditions of interest. Flexibility to implement alternative computational modeling strategies related to systems biology is also expected. The successful candidate will need to be comfortable working with scientists and engineers from diverse backgrounds, such as peer modelers, experimental biologists, bioinformaticians, statisticians, etc.

**Research and Development - PhD - Scientist-RND00003072**
We are seeking a Scientist with experience in molecular biology and expertise in microbial analysis. This individual will play an important and visible role in the Global Biotechnology team leading the emerging metagenomics team. Responsibilities include the design and execution of next-generation metagenomics experiments to address the diverse business needs of our internal and the TPT organizations. Applicant must have significant experience with molecular techniques and strong microbial community analysis experience. Familiarity with next-generation sequencing and/or gene expression profiling is a plus. Strong capacity to develop robust SOPs and operate within an SOP environment are required as is the ability to deliver against aggressive timelines. As the genomics team maintains multiple collaborations throughout the Company and is externally focused for identification of new technologies, strong teamwork and interpersonal skills are also mandatory.