Dear Colleagues,

As the 2013-2014 academic year is now upon us, I would like to welcome you back and also to highlight some of the successes over the last year. First, we should continue to highlight our top 5 ranking by the National Research Council. This is a great achievement and places us among the best Pharmacology programs in the country. Second, the Academic Program Review was a great success with a panel of reviewers both inside and outside the University noting many strengths in our Program, including our excellent track record of graduating students at or below the national average and placing these students in highly-regarded positions in academia and industry. Along these lines, 3 students have graduated with a PhD since the beginning of last academic year (Lucy Sanchez-Covarrubias, Alysia Ondoua, Supannikar Tawinwung) and 2 with an MS degree (Benjamin Mills and Seana Hall) and all of them were at or below national averages for time-to-degree. There are several more PhD defenses scheduled for Fall 2013 so this trend will continue into the next year. Finally, our students continue to maintain high levels of productivity through publications, presentations at national/international meetings, and travel awards to meetings.
I would also like to thank everyone for their hard work during the recruiting season earlier this year. I would especially like to mention the work of Vickie Healey for coordinating all the travel arrangements for interviewees and the recruiting dinner, and Ashley Symons-Liguori and Beenish Majeed for coordinating all of the student-led activities. Thanks to the Faculty for meeting with students and providing constructive feedback. We are all very excited about the outcome of our efforts and welcome two outstanding new PhD students to the Program, Karissa Cottier and Lusine Gomtsian, and an outstanding MS student Marlon Taylor. And thanks to Doug Larson and the Perfusion Program for their work recruiting three excellent MS students, Jennifer Arriola, Kayla Gardner, and Jessica Ortiz. Welcome to all of you and we wish you great success.

These students will be the first to enter the program under the revised curriculum that will allow students to complete coursework in one year. This will move students full time into laboratories one year earlier than in the past and we anticipate this will shorten graduation times. The biggest hurdle in this process was the reorganization of the former PHCL 520, 501A, and 501B courses into the current PHCL 601, a 6-credit course led by Drs. Frank Porreca, Ed French, and Tom Davis. Thanks to all of you for your efforts in the redesign. This new course encompasses the material covered by the 3 prior courses and is contained within one semester allowing the accelerated curriculum to be possible. Compared to past years, this new design also requires a larger number of credit hours per semester. This may impact the time availability of the new students for rotations so I ask that potential advisors keep this in mind when evaluating students. However, I believe that the payoff, joining a laboratory full-time at the beginning of year 2, is easily worth the effort. This is a big change but I’m confident the incoming students are up to the task.

I look forward to another exciting year and wish the faculty, postdocs, students (new and returning), and staff the best for all of their endeavors.

Regards,
Greg Dussor
Med Pharm Graduate Reps

Each Fall, graduate students nominate and vote for two fellow 3rd/4th year students to serve as Representatives of the Graduate Program in Medical Pharmacology.

This year Ashley Symons and Beenish Majeed were elected as the Graduate Reps.

A call for nominations will be going out in December, so start thinking now for who you would like to nominate.

2013 Graduate Recruitment

Graduate Recruitment was held January 25-27, 2013. A big thank you to all involved and made it another successful recruitment.

Dates for 2014 will be announced soon.

Graduate Student Reminders

- Please see Vickie Healey, Graduate Coordinator, to reserve a room. Students can either email Vickie at vhealey@email.arizona.edu or call 626-7218.

- Graduate student mailboxes are located in front of the Admin Office located on the 5th Floor. Please check at least once a week.

- If you will be travelling on University Business, you MUST notify the Pharmacology Admin Office in an email, the dates you will leave/return, reason why. Should this not be done, you risk the chance of not having insurance should something happen and/or not getting reimbursed.

- Receipts for reimbursements NEED to be filed with the Pharmacology Admin Office with in 10 days of your return. Should this not be done, you risk the chance of not getting reimbursed.
PhD.

Karissa Cottier received her undergraduate degree from the University of Toledo. Karissa is also the recipient of the Yamamura Award and the 2013-14 Science Foundation Arizona Graduate Research Fellowship.

Lusine Gomtsian received her undergraduate degree from the University of Illinois at Chicago. Lusine is also the recipient of the Yamamura Fellowship Award.

MS

Marlon Taylor received his undergraduate degree from the University of Arizona.

PERFUSION PROGRAM

Jennifer Arriola received her undergraduate degree from the University of Texas Pan American.

Kayla Gardner received her undergraduate degree from the University of Arizona.

Jessica Ortiz received her undergraduate degree from the University of Arizona.
### Fall 2013 - Graduation Exam Deadlines

**Masters**
- 2nd Semester in Residence: Submit [Masters/Specialist Plan of Study](#) form through UAccess
- December 11, 2013: Degree Requirements (All degree requirements must be met by this date (including defense/revision of thesis, coursework and

**Doctoral**
- 3rd Semester in Residence: Submit [Doctoral Plan of Study](#) form through UAccess
- As soon as course work is completed: Schedule the Oral Comprehensive Examination. The Results of Oral Comprehensive Exam for Doctoral Candidacy form must e returned to the Grad College. There are fees associated with this form
- As soon as Comps Passed: Submit [Committee Appointment](#) Form
- November 18, 2013: Last day to TAKE the Final Oral Examination/Defense. The Announcement of Final Oral Defense form, is due at least seven (7) working days prior to the date of the examination.
- December 2, 2013: Deadline to submit dissertation to Degree Certification.

### Spring 2014 - Graduation Exam Deadlines

**Masters**
- 2nd Semester in Residence: Submit [Masters/Specialist Plan of Study](#) form through UAccess
- May 15, 2014: Degree Requirements (All degree requirements must be met by this date (including defense/revision of thesis, coursework and

**Doctoral**
- 3rd Semester in Residence: Submit [Doctoral Plan of Study](#) form through UAccess
- As soon as course work is completed: Schedule the Oral Comprehensive Examination. The Results of Oral Comprehensive Exam for Doctoral Candidacy form must e returned to the Grad College. There are fees associated with this form
- As soon as Comps Passed: Submit [Committee Appointment](#) Form
- April 21, 2014: Last day to TAKE the Final Oral Examination/Defense. The Announcement of Final Oral Defense form, is due at least seven (7) working days prior to the date of the examination.
- May 5, 2014: Deadline to submit dissertation to Degree Certification.
NEW Graduate College - GradPath

Monday, October 1, 2012, GradPath (new online degree certification forms system) went live.

What this means to you, ALL required forms for M.S. and Ph.D students, will be done online.

- Students will be submitting forms through UAccess - Student Center - GRADPATH
- Advisors will be approving forms on-line when notified by email, the email will take you directly to the site for approval.
- Students should notify advisors when a particular form has been submitted. This is to prevent your form from possibly being heldup.
- Students “Chair” means “Advisor” not the Chair of your Comp Committee.

Should you have any questions/concerns, please see or call me as we will all have to work through this together.

Congratulations To Our Spring 2013 and Summer 2013 Graduates

Spring 2013

Alysia Ondoua, PhD.
“Novel mechanisms and therapeutics in the treatment for cancer-Induced bone pain”

Lucy Sanchez Covarrubias, Ph.D.
“NSAIDs Modulate Morphine Transport at the Blood-Brain Barrier: A Role for P-glycoprotein”

Seana Hall, M.S. (Perfusion)
“Reliability of the Thoratec HeartMate II Flow Measurements and Alarms in the Presence of Reduced or Non-Existent Flow”

Ben Mills, M.S. (Perfusion)
“Regional Cerebral Oxygen Desaturations in Coronary Artery Bypass Surgery: A Minimally Invasive Approach”

Summer 2012

Supannikar Tawinwung Ph.D.
“Role of the adaptive immune system in Angiotensin II induced vascular remodeling and stiffening”
Spring 2013 Graduates

Pharmacology Students: Alysia Ondoua, Supannikar Tawinwung and Lucy Sanchez-Covarrubias (L-R)

Perfusion Students: Seana Hall and Ben Mills

Lucy Sanchez-Covarrubias with her parents

Seana Hall, Ben Mills and Supannikar Tawinwung with their Advisor Doug Larson
Graduate Student Publications


Taylor-Piliac, RE., Boros, D., Coul, BM. “Strategies to Improve Recruitment and Retention of Older Stroke Survivors to a Randomized Clinical Exercise Trial.” Journal of Stroke and Cerebrovascular Diseases, May 2, 2013.


Melemedjian OK., Tillu, DV., Asiedu, MN., Mandell EK., Moy, JK., Blute, VM., Taylor, CJ., Ghosh, S., Price, TJ. BDNF PKMζ at spinal synapses to initiate and maintain a centralized chronic pain state. Molecular Pain. PMID: 23510079.


Congratulations to Dipti Tillu for receiving the Arizona Board of Regents Graduate Research Grant!! A huge, and well deserved honor for one of our outstanding graduate students.

Congratulations to 1st year Karissa Cottier, for receiving the 2013-14 Science Foundation Arizona Graduate Research Fellowship Award.

L-R: Karissa Cottier
     Susan Yamamura
     Lusine Gomtsian
The College of Medicine held the 33rd Annual Faculty Teaching Awards November 14, 2012.

Todd Vanderah, PhD received the
Outstanding Teaching in a Block Award - Year I
Outstanding Achievement in Teaching by a Block—Nervouse System

John Bloom, MD received the
Outstanding Teaching in a Block—Year II and the
Excellence in Clinical Science Teaching for Medical Students

Ted Price received the Excellence in Graduate Student Education

Gregory O. Dussor, Ph.D. and Theodore J. Price, Ph.D. awarded a 4 year, $1.1 Million RO1 grant from the National Institute of General Medical Sciences, NIH to study AMPK activators for the treatment of post-surgical pain

Dr. Frank Porreca awarded a 5 year, $2.5 Million RO1 grant from the National Institute on Drug Abuse, NIH to study Brain Reward Circuits and Relief of Ongoing Pain.
Pharmacology Faculty Publications


