2018 ASPET SURF Program  
Tuesday, May 29th- Wednesday, August, 1st

SURF Seminar Series, Brownbag Lunch Series & Final Presentations  
Schedules

**Pharmacology & Therapeutics SURF Seminar**

Day/Time: Wednesdays from 12noon-1:00pm (except where noted)  
Location: ARB R5-231 (Maren Conference Room)

**May 30th:** Gonzalo Torres, PhD  
Associate Professor, Department of Pharmacology & Therapeutics

**June 6th:** Jonathan Bird, PhD  
PhD Assistant Professor, Department of Pharmacology & Therapeutics

**June 13th:** Jeff Harrison, PhD  
Professor, Department of Pharmacology & Therapeutics

**June 20th:** Erica Levitt, PharmD, PhD  
Assistant Professor, Department of Pharmacology & Therapeutics

**June 27th:** No Seminar – Pharmacology Immersion Program (PIP) Week

**July 4th:** No Seminar - Holiday

**July 11th:** Dr. Nihkil Urs, PhD  
Assistant Professor, Department of Pharmacology & Therapeutics

**July 18th:** Dr. Edgar Rodriguez, PhD  
Assistant Professor, Department of Pharmacology & Therapeutics

**July 25th:** Dr. Olga Guryanova, MD, PhD  
Assistant Professor, Department of Pharmacology & Therapeutics

**Brownbag Lunch Series**

Day/Time: Fridays from 12:00noon-1:00pm (*except where noted)  
Location: ARB R5-231 (Maren Conference Room)  
Lunch will be provided.

**June 8th:** Tom Rowe, PhD  
Associate Professor  
Department of Pharmacology & Therapeutics  
&  
Associate Dean for Graduate Education - College of Medicine.  
**Topic:** Graduate Programs

**June 15th:** Wayne McCormack, PhD
Distinguished Teaching Scholar and Professor, Department of Pathology, Immunology and Laboratory Medicine
Director Clinical and Translational Science Doctoral Programs
Chair, College of Medicine Society of Teaching Scholars

**Topic:** Translational Research

**June 22nd:**

**Terra Dubois, JD**  
Director of Research Compliance and Global Support  
Research Integrity Officer  
UF Office of Research  
**Topic:** Research Misconduct

**June 29th:**

BMS - Pharmacology Concentration Graduate Student Roundtable Discussion  
**Topic:** Transitioning from an Undergraduate Student to a Graduate Student

**July 6th:**  
No Brownbag (4th of July Holiday week)

**July 13th:**

**Gerry Shaw, PhD**  
Founder and CSO of EnCor Biotechnology, Inc. Gainesville FL  
**Topic:** Alternative Career Paths in Science (tentative)

**July 20th:**

**Dr. Steve Madore, PhD**  
Associate Director for Core Technologies  
Interdisciplinary Center for Biotechnology Research (ICBR)  
UF Health Cancer Center  
*Location:* Cancer and Genetics Research Building (CRGC) Room 160

**Activity:** Meet with Dr. Madore and tour the UF Interdisciplinary Center for Biotechnology Research (ICBR) followed by lunch in ARB R5-231 (Maren Conference Room.)

**July 27th:**

Field Trip to the University of Florida Sid Martin BioTech Incubator  
*Location:* Progress Park, 13702 Innovation Drive, Alachua, FL 32615  
Lunch Offsite Immediately Following Tour

**Pharmacology Immersion Program (PIP)**

The Pharmacology Immersion Program, or PIP, is a 4-day, intensive enrichment program, which is directed by Pharmacology & Therapeutics faculty member and SURF Mentor, Dr. Dan Wesson. The PIP will take place during Monday-Thursday, June 25th-28th and will consist of a four-day immersive lecture, discussion, and laboratory methods program for the Fellows. The Pharmacology Immersion Program is a one-week immersive lecture, discussion, and laboratory methods program for students interested in Pharmacology & Therapeutics. The Pharmacology Immersion Program is designed to accomplish three overall goals:

1) Render a general knowledge base of fundamental concepts in Pharmacology.  
2) Provide hands-on experience with methods commonly used within the multiple disciplines and experimental approaches within Pharmacology.  
3) Facilitate engagement of students with primary faculty and other trainees in the Department of Pharmacology and Therapeutics.

PIP is organized into four successive daily themes, each consisting of modules focusing upon different research approaches common to the discipline of Pharmacology. Each module is led by faculty members in the Department of Pharmacology and Therapeutics who engage fellows in the concepts and methods relevant in their expertise. This includes a short engaging lecture on the methods, their goals, and an emphasis on their historical origins to increase appreciation of the fellows for innovation. Fellows are expected to participate in the lectures by asking questions and are encouraged to consider how they may possibly incorporate these methods and approaches in their future education and careers. Following the
lectures, fellows will be given practical experience with the approaches in faculty laboratories, hosted by the faculty as well as lab personnel.

**PIP Schedule of Events:**

**Day 1 (Monday, June 25):**  
Gene expression and cellular localization (Munger)  
Introduction to the PIP program (11AM: Wesson: ARB R5-231 [Maren conference room])

Module 2 (1PM: Munger lab: ARB R5-285)  
- *in situ* RNA-scope  
- Immunohistochemistry

**Day 2 (Tuesday, June 26):**  
Cellular identity and Imaging (Bird & Guryanova)  
Module 1 (9AM: Bird lab: ARB R5-144):  
- Fluorescence microscopy and analysis
Module 2 (1PM: Guryanova lab: CGRC 260):  
- Flow cytometry

**Day 3 (Wednesday, June 27):**  
Gene therapy and manipulation and Methods for screening drugs (Rodriguez & Urs)  
- Crispr/Cas9, RNAi  
- Viral vector production and use
Module 2 (1PM: Urs lab: ARB R5-140):  
- Cell transfection and protein-protein interactions

**Day 4 (Thursday, June 28):**  
Physiological and Behavioral measures (Levitt & Wesson)  
Module 1 (9AM: Wesson lab: ARB R5-156):  
- Physiological measurements during behavior  
- Single-unit recordings, Ca^{2+} imaging
Module 2 (1PM: Levitt lab: ARB R5-136)  
- Intracellular physiology

**Final SURF Fellows Presentations**  
Day/Time: Wednesday, August 1st from 11:30am-1:15pm  
Location: ARB R5-265 (Large Conference Room)  
Lunch will be provided.

Each fellow will give a 15-minute presentation followed by a 5min Q/A.