Orientation
Biomedical Sciences PhD Program
Agenda

10:00 am  Overview of BMS Program
10:30 am  Concentration breakout session
11:00 am  Lunch
Incoming Class 2018
(36 students + 4 MD/PhDs)

Diverse geographically and culturally

- 33% Florida residents
- 37% non-Florida states from all regions of the US
- 35% international
- 16% underrepresented minority
- 62% women
Colleges Previously Attended by Incoming Class 2018

- Ball State University, IN
- Carthage College, WI
- Eastern Michigan University
- East Tennessee State University
- Fayetteville State University, NC
- Florida State University
- Georgetown University
- Harvard University
- Huazong University of Science & Tech
- Idaho State University
- Manipal University, India
- Nazareth College of Rochester
- Penn State University
- Southwestern Oklahoma State
- Stony Brook University
- Shangai Jiao Tong University
- Sun Yat-sen University
- Tufts University
- University of California
- University of Central Florida
- University of Florida
- University of Francisco de Vitoria
- University of Guam
- University of Georgia
- University of Michigan
- University of Missouri
- University of Mumbai
- University of North Florida
- University of Pittsburg
- University of Puerto Rico
- University of Punjab, India
Updates

- Graduated 37 students 2017-18
- Students have more flexibility/options
  - Fast-tracking into labs/mentors
  - 8 concentrations of study
  - Increase in research/training opportunities
    - NIH training grants
    - Increase in number of graduate research faculty
    - New research opportunities in Lake Nona

- New Curriculum Path Options
Curriculum Update

Biomedical Sciences
Ph.D. Pathways

Option A: Foundational Coursework
Option B: Customized Coursework
Declared Concentration Selected
Undeclared Foundational Coursework
Concentration Selected
Customized Coursework

Program concentrations:
- Physiology and Functional Genomics
- Biochemistry and Molecular Biology
- Cancer Biology
- Genetics
- Molecular Cell Biology
- Pharmacology and Therapeutics
- Immunology and Microbiology
- Neuroscience
Concentration Break-out Session

◆ Meet concentration coordinators and faculty
◆ Find out about curriculum paths and course requirements for each concentration
◆ Identify potential research rotations
Important (Helpful) People
Basic Science Department Chairs

Henry V. Baker, Ph.D.
Molecular Genetics & Microbiology

Robert A. Burne, Ph.D.
Oral Biology

Michael J. Clare-Salzler, M.D.
Pathology, Immunology & Laboratory Medicine

Yehia Daaka, Ph.D.
Anatomy & Cell Biology
Office of Graduate Education Staff

◆ Assist in transitioning students into the program during the first year

Amy Davis
Admissions
273-8601

Brett Looney
Course Management, Fiscal, Web
273-8602

James Dean
Event planning, alumni relations
273-8600
Concentration Administrators

◆ Are available in the Departments to help with registration and Graduate School paperwork when the student joins a concentration

Concentration Coordinators

◆ Rotation presentations
◆ Advanced curricula & journal clubs
◆ Oversight of student progress
Biomedical Science Program

Eight Concentrations

- McKnight Brain Institute
- Diabetes Institute
- Genetics Institute
- Nanoscience Institute
- Gene Therapy Institute
- Emerging Pathogens Institute
- Cancer Center
- Center for Regenerative Medicine
- Institute on Aging
- Myology Institute
- Clinical Translational Science Institute
Concentration Coordinators

Biochemistry & Molecular Biology

Jorg Bungert, Ph.D.,
Co-Coordinator

Mathew Merritt, Ph.D.,
Co-Coordinator

Cancer Biology

Dietmar Siemann, Ph.D.
Co-Coordinator

Maria Zajac-Kaye, Ph.D.,
Co-Coordinator
Molecular Cell Biology

Alexander Ishov, Ph.D.,
Co-Coordinator

William Dunn, Ph.D.,
Co-Coordinator

Neuroscience

Jada Lewis, Ph.D.,
Coordinator

Elizabeth Fisher,
Administrator
elizabethcfisher@ufl.edu
Curriculum

Save the date—Florida Translational Cell Biology Symposium

Friday, September 22, 2017 9:00 am–7:00 pm  This one-day event is hosted by graduate students in the University of Florida Graduate Program in Biomedical Sciences. Hosted on the campus […]

Read More
Curriculum

Year 1: Foundational/Customized Coursework, Research Rotations, Journal Club, Seminar series

Year 2: Concentration Coursework, Journal Club, and Laboratory Research

Year 3: Qualifying Exam (Fall)

Year 3+: Dissertation Research, Journal Club, and Advanced Courses

median time to degree 5.0 years

Consult your BMS Handbook and the BMS websites for policies & procedures!
BMS Year 1 Foundational Curriculum

**Fall Semester Curriculum (9 credits)**
- GMS 6001 (5 credits) Fundamentals of Biomedical Science
- GMS 6003 (1 credit) Essentials of Graduate Research & Professional Development
- GMS 6895 (1 credit) Journal Club
- GMS 6090 (2 credits) Laboratory Rotations
- Mentoring Groups (required)
- Thursday seminar series (required)

**Spring Semester Curriculum (9 credits)**
- Elective coursework (6 credits)
  - Concentration courses
  - Modular courses series (many are 1 credit courses)
- One Research Rotation (1 credit)
- GMS 7877 (1 credit) Responsible Conduct of Biomedical Research
- Journal club (1 credit)
- Thursday seminar series
Course management system
E-learning (http://elearning.ufl.edu/)
Required Hazardous Waste and HIPPA Online Training Certification

- Needs to be completed before beginning first lab rotation
- Information will be provided by email

Hazardous Waste Training
Lab Rotations

Research Rotations (2 in Fall, 1-2 in Spring)

- Written rotation report – submit to mentor and online
- Oral rotation reports – scheduled in Journal Clubs
- Option to fast-track into lab/mentor/concentration
- First rotation: Monday, August 20 – Thursday, October 11

Selecting rotations:

- Program website – Faculty/Research web page
- Schedule meetings with faculty

Lake Nona

Lab Marine Bioscience
Fast-tracking with mentor

- Student commits to mentor prior to the beginning of the third research rotation
- Notify Office of Graduate Education
- Submit Mentor Contract
- Do remaining research rotations with the mentor (written and oral presentations continue)
- Students expected to form supervisory committee and have first committee meeting within 3 months of submitting the mentor contract
### Sponsored Research Award Search

**Pick your search criteria (Select all that Apply):**

- [ ] PI
- [ ] CO-PI
- [ ] PI's College/Unit
- [ ] PI's Department/Center
- [ ] COPI's College/Unit
- [ ] COPI's Department/Center
- [ ] Project Sponsor
- [ ] Select All

[Next](http://apps.research.ufl.edu/research/search/)
Journal Clubs

**Fall Semester**

- Must attend one journal club per week
- Can move among different journal clubs
  - Check emails and course website for updates
- Not all journal clubs are recommended for first year students
Mentoring Groups (required activity)
https://biomed.med.ufl.edu/students/first-year-students/first-year-mentoring-group-information/

◆ Consists of:
  • 6 students + faculty + advanced grad student

◆ Objectives
  • Help transition students into program
  • Promote interactive learning and collegiality
  • Forum for discussing important topics relevant to graduate training (i.e., research rotations, curriculum options, professionalism)
  • Enhance understanding & relevance of coursework

◆ Meets every Thursday (11:00 am– noon) beginning Aug. 16
Upcoming Events

Friday, August 10
- 10:30 am – Biomedical Sciences Program Pictures, Hugh Hill Conference Room, R1-106
- 11:00 am – Biomedical Sciences Program/GSO Buddy Lunch

Saturday, August 11
- 8:00 pm – until
  Graduate Student Mixer, hosted by GSO – Mother’s Pub & Grill

Monday, August 13
- 9:00 am – 3:15 pm
  University of Florida Graduate School, New Graduate Student Orientation – Reitz Union

Thursday, August 16
- 11:00 am – First Mentoring Group Meeting/Biomedical Sciences Program
- 2:30 pm – Mentor Match Reception – Harrell Medical Education Building, North Learning Studio (125)

Wednesday, August 22
- University of Florida Classes Start

Thursday, August 30
- 5:00 pm – 7:00 pm
  Welcome Reception – Harrell Medical Education Building, Scott Commons Atrium
Mentor-Match Celebration
Thursday, August 16
2:30-4:00 pm

Selecting a mentor to oversee a student’s scientific training and development is a vital first step in the journey towards a Ph.D.
One-day event, supported by the American Society for Cell Biology, is organized by graduate students in the Molecular Cell Biology concentration with additional help from students at the Mayo Clinic, Florida State University, and University of Central Florida.

https://floridacellbiology.org
SAVE THE DATE
2nd ANNUAL DIVERSITY GRADUATE RESEARCH SYMPOSIUM
October 31st
8am - 4pm
Reitz Union
Questions?