Biomedical Sciences
PhD and MS Orientation

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Janet Alder, PhD - Assistant Dean
School of Graduate Studies – New Brunswick/Piscataway

August 28, 2019
Staff of the School of Graduate Studies – Biomedical and Health Sciences in New Brunswick/Piscataway

RWJMS Research Tower R-102

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Biomedical Science Programs in New Brunswick/Piscataway

Molecular Biosciences Umbrella Program
- Cell and Developmental Biology
- Biochemistry and Molecular Biology
- Cellular and Molecular Pharmacology
- Physiology and Integrative Biology
- Molecular Genetics and Microbiology

Individual Graduate Programs
- Biomedical Engineering
- Exposure Science and Assessment
- Toxicology
- Neuroscience
- Microbial Biology
- Endocrinology and Animal Biosciences
- Nutritional Sciences
Rutgers Facts

- Member of Association of American Universities and Big10 Academic Alliance
- Ranked 41st of 994 top US universities by the Center for World University Rankings (2019) and 48th of 2000 to world universities 2019-20
- $658 million annually in research R&D expenditures, among the top 20 public universities in the nation
- Among the top 3 public universities in the Northeast in receipt of Sloan Research Fellowships and National Science Foundation Faculty Early CAREER development awards.
- Top 10% of American universities in science and engineering research and development expenditures.
- Top 3 nationally in National Science Foundation Integrative Graduate Education and Research Traineeship funding.
Our faculty hold prestigious positions

Rutgers has more faculty in the National Academy of Sciences and the American Academy of Arts and Sciences than any other public peer school in the Northeast.

In last 2 years, 11 biomedical faculty selected just this year to AAAS and 1 to National Academy

Martin Yarmush  Masayori Inouye  Arnold Rabson  Suzie Chen  Charles Dismukes

Tony Kong  Peter Lobel  Pal Maliga  Chris Molloy  Monica Roth
Dr. Evelyn Witkin was selected for the Lasker Award in 2015 for her discoveries concerning the DNA-damage response. The Lasker Award given annually since 1945 to living persons who have made major contributions to medical sciences. The awards are sometimes referred to as "America's Nobels". Eighty-six Lasker laureates have gone on to receive the Nobel Prize.

Dr. Joachim Messing was selected for the Wolf Prize in Agriculture in 2013 for his research efforts and innovations in recombinant DNA cloning and for deciphering the genetic codes of crop plants. Because there is no Nobel Prize in this category, the Wolf Prize in Agriculture is also regarded on par with the Nobel Prize.
Rutgers houses world-renowned resources

- Largest DNA and cell repository in the world for the study of genetics and autism, mental health, drug abuse, alcoholism, diabetes, and digestive and kidney disease.

- Host to the Protein Data Bank, the single worldwide repository for 3D protein structures.
Your education
NIGMS new T32 mechanism and “π shaped” scientist

- Career Development iJOBS
- Communicating Science class
- Biostatistics
- Quantitative/computational tracks being developed

AAMC Washington DC Feb 2018
Competencies learned in graduate school – transferrable skills

- **Broad conceptual knowledge** - core courses
- **Deep knowledge of a specific field** - upper level courses, thesis work, and journal clubs
- **Critical thinking** - reading papers, planning experiments, reviewing grants and manuscripts
- **Experimental skills** - rotations and thesis lab, collaborations
- **Responsible conduct of research** – Ethical Scientific Conduct initial and refresher
- **Rigor and reproducibility** - biostatistics classes
- **Computational skills** – computer programming class
- **Collaboration/Teamwork** – working with other labs and within lab, student organizations
- **Management and emotional intelligence skills** - manage your own project, supervise undergraduates, interact with faculty and peers
- **Leadership and professionalism** – join student organizations, volunteer for events, iJOBS
- **Communication skills** - presentations in lab, university, and national meetings, writing manuscripts and fellowships, Communicating Science class
Communicating Science Course

- Response to input from industry and academia
- Grant from Burroughs Wellcome Fund (Ponzio PI)
- Only one in the country with communications as its goal
- Techniques from Alan Alda Center
- Course started in spring 2017
- 3 Minute Thesis Competition starting in 2018
Clinical and Translational Opportunities

NIH Clinical and Translational Award (CTSA)

NJ Alliance for Clinical and Translational Science (NJ ACTS) (PI: Rey Panettieri MD)

Goal: $25M award to improve clinical and translational research across NJ

Institutions: Rutgers, Princeton and NJIT

Training Grant support: Kathy Scotto PhD

Educational Goal: to provide the curriculum and the resources so teams of researchers (PhD students, post-docs), physician scientists (MD-PhD students) and clinicians (MD students and clinical fellows) can tackle large medical issues

New educational initiatives (Clinical and Translational Certificate):
  Grant writing, Computational courses, Biostatistics, Communication, Team Science, Human Body 101, Clinical shadowing opportunities, Capstone Project
Biostatistics Classes

- As per NIH requirement to increase training for rigor and reproducibility of science
- Criteria for NIH grants: sample size power analysis, rigorous statistical analysis, blinding, randomization, inclusion and exclusion criteria, biological variables (sex), authenticate biological and chemical resources
- 1 of 3 schools to participate in pilot program of webinars funded by NIH R25 grant (DiCicco-Bloom PI) in 2016
- Several classes to satisfy requirement
  http://rwjms.rutgers.edu/gsbs/current/RigorandReproducibilityTraining.html
New Computational Biology Offerings

- Data Carpentry workshop through iJOBS every January (0 credit)
- Python workshop in June (0 credit)
- Computational Genomics - new course in Fall 2019 to learn R programming as relates to genomic data 16:761:505 (3 credits)
- Bioinformatics – Fall 16:765:585 (3 credits)

http://rwjms.rutgers.edu/gsbs/student_affairs/career.html
Typical timeline

Year 1 2 3 4 5 6
Lab match Qualifying exam A Propositional Qualifying exam B Annual thesis advisory committee meetings Thesis defense

Statistics:

Time to defense: ~5.7 years
# of publications: ~3 papers, ~1.4 first author
Some recent manuscripts

Jeanine D’Errico Biomedicine and Pharmacotherapy, July 2019. “Identification and quantification of gold engineered nanomaterials and impaired fluid transfer across the rat placenta via ex vivo perfusion.”


Alison Acevedo Gene Regulation and Systems Biology, April 2019. “Pathway-Based Analysis of the Liver Response to Intravenous Methylprednisolone Administration in Rats: Acute Versus Chronic Dosing.”


Paul Fourounjian The Plant Journal: for Cell and molecular Biology, February 2019. “Post-transcriptional adaptation of the aquatic plant Spirodela polyrhiza under stress and hormonal stimuli.”


Kate Annunziato Aquatic Toxicology, January 2019. “Subtle morphometric, behavioral and gene expression effects in larval zebrafish exposed to PFHxA, PFHxS and 6:2 FTOH.”


Praveen Bommareddy Science Translational Medicine, December 2018. “MEK inhibition enhances oncolytic virus immunotherapy through increased tumor cell killing and T cell activation.”

Bhavna Paratala Nature Communications, November 2018. “RET rearrangements are actionable alterations in breast cancer.”


Grace Ibitamuno Journal of Cancer Education, September 2018. “To Care and to Provide Care.”

Avery Zucco Molecular and Cellular Neurosciences, August 2018. “Neural progenitors derived from Tuberous Sclerosis Complex patients exhibit attenuated PI3K/AKT signaling and delayed neuronal differentiation.”

Joseph Fantuzzo Developmental Dynamics, August 2018. “Compartmentalized devices as tools for investigation of human brain network dynamics.”

Stephanie Oh Redox Biology, August 2018. “The Parkinson's disease gene product DJ-1 modulates miR-221 to promote neuronal survival against oxidative stress.”
Aaron Shatkin Scholarship 2019

Bhavna Paratala, Ileana Marrero-Berrios, Cosmas Mwikirize

Awarded to 3 or 4 graduate students annually for distinguished research work over the applicant's tenure at Rutgers University

Each awardee receives $1500 to supplement graduate stipend and $1500 for educational purposes
Graduation Awards 2019

Urmimala Basu, PhD
Stanley S. Bergen Medal of Excellence

Anna Giarratana, MD/PhD candidate
Fulbright grant for Interdisciplinary Studies in Switzerland
Individual Development Plans (IDP)

• Educational research has shown that IDPs increase productivity (e.g. http://postdoc.sigmaxi.org/results/)

• NIH is now requiring IDPs for all training grants and NIH Office of Management and Budget sent notice that grad students have dual roles and must engage in both training and career development.

• **First** and third year graduate students will do the AAAS online IDP (http://myidp.sciencecareers.org/) and upload to Sakai by Aug 31, 2019.

• Second and fourth year graduate students will complete Rutgers IDP modeled from the ones at Scripps and UCSF and meet with an IDP committee (outside member in potential career area)
Recent pre-doctoral fellowship awardees

Nofar Engelhard - NJ Commission on Spinal Cord Research Fellowship in May 2019

Anton Omelchenko - NJ Commission on Brain Injury Research Fellowship in April 2019

Mark Presker NIH F31 Fellowship in March 2019

Kevinn Eddy NJ Commission on Cancer Research Fellowship in March 2019

Juliet Gardiner NJ Commission on Cancer Research Fellowship in March 2019


Ludwik Gorczyca - NIH F31 fellowship in July 2018

Unnati Chauhan - NJ Commission on Cancer Research Fellowship in May 2018
SGS help for fellowship writing

- ~17% of current students have external fellowships

- Meeting every September with students and mentors who have been successful obtaining funding and faculty from study section

- Boiler plate paragraphs for various sections
  [http://rwjms.rutgers.edu/gsbs/student_affairs/fellowship.html](http://rwjms.rutgers.edu/gsbs/student_affairs/fellowship.html)

See below for some materials and please contact Janet Alder (janet.alder@rutgers.edu) for additional help if needed.

- RCR training
- Rigor and Reproducibility training
- iJOBS career development program
- Individual Development Plans
- Description of Institutional Environment and Commitment to Training and Additional Educational Information
- Sample successful NIH F applications, NSF, EPA, AHA, NJ state fellowships as well as diversity supplements upon request.
Courses for grant writing

Grant Writing Basics spring course
Guidance and practice in writing a biological research grant proposal focusing on Specific Aims. 16:681:601

Advanced Studies in Neuroscience or Psychology to write an NRSA F31 Grant Proposal
The purpose of the course is to facilitate each student's submission of an F31 application for the December deadline. 16:830:504

Graduate Courses in Writing

355:506 Writing for Publication
Focuses on overall organization of published work as well as writing and editing at the level appropriate for a journal submission in the student's graduate field.

355:508 Writing the Dissertation
Focuses on writing at the level appropriate for a dissertation in the student’s respective field.

355:502 Graduate Writing
Focuses on writing for abstracts, reviews, conferences
GradFund

• $45 million in external fellowships and awards in the last 17 years
• Help identifying funding sources
• Virtual Office on Sakai
• Help with application logistics
• Feedback, editing, and revising
• ~17% of current students have external fellowships

http://gradfund.rutgers.edu/

Fellowship Application Workshop for Biomedical PhD Students

Wednesday September 11, 2019
2:45 – 4:45pm
RWJMS Research Tower
675 Hoes Lane West
Room V10
Piscataway, NJ

This workshop will include presentations by:
1) GradFund on how to use their resources at Rutgers for identifying fellowship opportunities and applying for them.
2) A faculty member who serves on NIH study section and reviews fellowship applications with pointers on what reviewers are looking for.
3) A panel of graduate students and their mentors who have successfully obtained funding in the past few years from various organizations.

No registration required.
For more information contact Dr. Janet Alder janet.alder@rutgers.edu
Cognitive Skills

http://rwjms.rutgers.edu/education/medical_education/student_support/cognitive.html

Individual Consultation

• Confidential individual consultation regarding learning, time management and job performance.
• Diagnostic evaluation of study practices and their effectiveness.
• Structured intervention to increase learning productivity and efficiency.
• Individual preparation programs for course, board, and licensure examinations.
• Learning disabilities.

Seminars

• Effective study strategies, test taking and time management.
Designed to promote excellence in undergraduate and graduate education at Rutgers through the professional development of the graduate student teaching staff:

- annual orientation
- certificate programs
- special issues seminars
- web-based publications
- discipline-specific training

http://taproject.rutgers.edu/
A teaching K-12 outreach program which allows graduate students and postdocs the opportunity to volunteer in local public schools.

BIO Links volunteers are paired with a science teacher from a local school and make a commitment to visit one class per week for nine weeks.

Contact Dr. Martha Soto; sotomc@rwjms.rutgers.edu
The Graduate Mentoring Fellows Program is a year-long program to allow participants to study the functions involved in serving as a good mentor and to work with undergraduates as a mentor for one academic year.

http://gsnb.rutgers.edu/profdev
Advanced graduate students who join can meet monthly with faculty and administrators to discuss issues related to undergraduate instruction and contemporary higher education.

rastl.rutgers.edu/
Rutgers Pre-doc Leadership Development Institute (PLDI)

Two-year program to prepare for academic and administrative leadership roles in academia.

Students will learn the challenges universities face, and will gain the interpersonal and organizational knowledge, competencies and aspirations to provide effective and ethical leadership in addressing the critical issues confronting higher education.

www.odl.rutgers.edu/pldi/
Your career
Examples of Career Tracks

- Principal investigator
- Bench Research in Government, Pharma or Biotech
- Teaching-intensive careers in academia
- Science and Health Policy
- Patent Law
- Tech Transfer and Business Development
- Clinical Research
- Regulatory Affairs
- Health and Science Data Analysis
- Business Consulting
- Scientific Writing and Medical Communications
- Medical Affairs
- Non-profit and Foundations
- Finance and Equity Research
- Publishing
- Food safety
- Journalism
- Teaching Education Outreach
- Entrepreneur
NIH Broadening Experiences in Scientific Training (BEST) Awards
$2 million for 5 years to create infrastructure

Rutgers

Boston U
UC Davis
UC Irvine
UC San Francisco
U Chicago
U Colorado Denver
Cornell
Emory/Georgia Tech

U Mass Worcester
Michigan State
New York U
U North Carolina
U Rochester
Vanderbilt
Virginia Polytech
Wayne State
Rutgers iJOBS
Interdisciplinary Job Opportunities for Biomedical Scientists

will empower our PhD students and postdocs to take action toward career development and build the knowledge, professional network, and experience needed to reach their career objectives.

Grant awarded Sept 2014
Program launch Jan 2015
iJOBS Participation

Rutgers Graduate Students
• SGS (New Brunswick/Piscataway/Newark)
• GSN (Newark)
• GSC (Camden)

Rutgers Postdocs
• RWJMS
• NJMS
• SAS New Brunswick
• SoE
• SoP
• SEBS
• SAS Newark
• SAS Camden

Free shuttle transportation provided
Holistic Programming

Phase 1 iNQUIRE
- SciPhD Leadership and Business Training
- Site visits
- Networking sessions
- Career panels
- Case studies
- Primers
- Workshops
- Career fair
- Web portal access

Phase 2 iNITIATE
- Individual development planning & mentorship
- Career-specific courses
- Professional shadowing

Phase 3 iMPLEMENT
- Resume development
- Interview preparation
- Job placement and tracking

Phase 4 iNSTRUCT
- Continued participation
- Support and mentoring

Additional activities:
- Networking sessions
- Career panels
- Case studies
- Primers
- Workshops
- Career fair
- Web portal access
SciPhD: Leadership and Business Skills for Scientists

Provided by Human Workflows, LLC


- The Business of Science
- Major Leadership Styles
- Successful Communications as a Scientist
- Developing Your People
- Networking and the Interview Process
- Team Performance Tools
- Negotiations
- Financial Literacy
- Strategic Project Management for Scientists
Representative Site Visits

- Merck (4)
- Genewiz (2)
- Bristol-Myers Squibb (3)
- Novartis (2)
- GlaxoSmithKline
- Regeneron (2)
- Eli Lilly (2)
- Celgene (2)
- Janssen
- Commercialization Center for Innovative Technology (2)
- Institute for Life Science Entrepreneurship (2)
- Enterprise Development Center
- Sanofi Aventis
- Covance
- Kashiv
- Ferring Pharmaceutical

- NJ Dept. of Health (3)
- Stryker
- Colgate-Palmolive
- Envigo
- Ethicon
- McCann Health
- Bayer (2)
- PTC Therapeutics
- Nanion Technologies
Representative Workshops: Job Simulation

- Entrepreneur – what is involved in starting a biotech
- Science Policy – write a policy memo
- Business Development – decide whether to acquire a new company
- Pharma R&D - design preclinical trial to optimize clinical success
- Publishing – decide whether to accept a manuscript
- Pharma Market Research Analysis – report on whether drug is worth pursuing
- Medical Affairs – Medical Informaticist vs MSL role play
- Consulting – recommend approach to launch new clinical trial
- Regulatory Writing – prepare an Investigative Brochure
- Medical Communications – create slide deck for physician
- Patent Law – rewrite patent to demonstrate originality
- Mergers and Acquisitions – decide how much to bid on a new company
Representative Workshops: Primers

- Project Management
- R with DataCarpentry - programming and how to deal with large datasets
- Good Laboratory Practice (GLP)
- Pharmokinetics and Pharmodynamics (PK/PD)
- Immuno-oncology Research
- Communicating Science with Alan Alda - elevator pitch and improv to connect with audience
- Scientific Storytelling
Representative Workshops: Job Search

- Targeted resumes
- LinkedIn profiles with photo shoot
- Networking skills
- Transferrable skills
- Interviewing skills
- Informational interviews
- Job search using staffing agencies
- Finding and applying for an internship
- Goal setting and time management
- How to prepare for job fairs
- International students seeking employment in USA
- Self assessments (StrengthsFinder, Birkman)
- Emotional Intelligence and influencing others
Phase 2
INITIATE
Career Track Example
Skill Classes
One 40-Hour Class

- Drug Discovery through Preclinical Development
- Introduction to Public Administration; Public Policy Formation
- Clinical Trials, Adverse Event Reporting, Post-Marketing
- Practical Aspects of Clinical Trial Design
- Bioengineering in Biotech and Pharma Industries
- Fundamentals of Regulatory Affairs
- Programming Methodologies for Numerical Computing
- US Healthcare System ad Pharma Managed Markets
- Drug Development: From Concept to Market
- Project Management
- Pharma Product Management
- Organizational Behavior
- Innovation and Entrepreneurship
Professional Shadowing and Mentoring

- Each trainee is matched to a mentor and a shadowing opportunity relevant to their chosen track with industrial, institutional or governmental partners. 72 hours over a whole semester or over 2 weeks.

- Each trainee is assigned a professional mentor and uses the Individual Development Plan (IDP) as a framework for growth.
Communication Platforms

Email listserve: 1500 members

Trainee run blog:
ijobs.rutgers.edu/blog.php

Website: ijobs.rutgers.edu

iJOBS Past Events and Resources

- **7 September 2016**: JOB3 Workshop: Job Search Using Staffing Agencies
- **22 June 2016**: iJOBS Career Panel: Identifying and Protecting Emerging Technology/New Business for Pharma
- **14 June 2016**: iJOBS Site Visit: Celgene
Program Registration

Phase 1

• iJOBS programming open to all pre and post-doctorates as well as recent alumni.
• Some events have limited capacity; participants register on a first come, first served basis.

Phase 2

• Graduate students should have completed propositional qualifying exam. Postdocs are eligible at any time.
• Trainee application approval based upon Phase 1 participation (12 hours), letter of intent, letter of recommendation. PI approval for participation is required with application.
Program Registration Details

• Registration links for all events will be listed on the iJOBS web site, posted on the iJOBS web calendar and open to registration 4 weeks prior to the event date at 12:00 PM.
• For example, an event will take place on Tuesday November 10, 2019. Registration opens October January 13, 2019 at 12:00 PM.
• If registration is limited, confirmation will be sent to those that are successfully enrolled in the event.
• Applications for Phase 2 are every April.
<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Time</th>
<th>Location/Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>iJOBS Simulation: Tech Transfer</td>
<td>9/5/19</td>
<td>4-6pm</td>
<td>Internship</td>
</tr>
<tr>
<td>iJOBS Networking: BioPharma</td>
<td>9/10/19</td>
<td>6-9pm</td>
<td>Biopharma Networking Group and Alumni Association</td>
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<tr>
<td>Networking Group and Alumni</td>
<td></td>
<td></td>
<td>with Current Trainees</td>
</tr>
<tr>
<td>iJOBS Career Panel: Data Science</td>
<td>9/16/19</td>
<td>4:30-6pm</td>
<td>Shireson</td>
</tr>
<tr>
<td>iJOBS Simulation: Equity Research</td>
<td>9/25/19</td>
<td>4:30-6pm</td>
<td>Guggenheim Partners and Cornerstone Macro</td>
</tr>
<tr>
<td>iJOBS Simulation: Technical Specialist</td>
<td>10/2/19</td>
<td>4:30-6pm</td>
<td>Elm and Broad, Bausch Health, and Morgan Lewis</td>
</tr>
<tr>
<td>iJOBS Site Visit: McCann Health</td>
<td>10/17/19</td>
<td>2:30-5pm</td>
<td>McCann Health</td>
</tr>
<tr>
<td>Science Writing</td>
<td></td>
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</tr>
<tr>
<td>What Can You Be With a PhD ?</td>
<td>10/19</td>
<td>10am-6:30pm</td>
<td>NYU</td>
</tr>
<tr>
<td>iJOBS Simulation: Project Management</td>
<td>10/23/19</td>
<td>3:30-6:30pm</td>
<td>Project Management Institute, NJ Chapter</td>
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<tr>
<td>iJOBS Site Visit: Wiley Publishing</td>
<td>10/28/19</td>
<td>10am-1pm</td>
<td>Wiley Publishing</td>
</tr>
<tr>
<td>GlaxoSmithKline</td>
<td>11/11/19</td>
<td>4:30-6pm</td>
<td>GlaxoSmithKline</td>
</tr>
<tr>
<td>iJOBS Workshop: Biotech Startup Job Simulation</td>
<td>11/18/19</td>
<td>3-5pm</td>
<td>Intracellular Therapies and ILSE</td>
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<tr>
<td>iJOBS Workshop: Negotiation Skills</td>
<td>11/25/19</td>
<td>4:30-6pm</td>
<td>Rutgers School of Management and Labor Relations</td>
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<tr>
<td>iJOBS Workshop: Regulatory Writing</td>
<td>12/4/19</td>
<td>6-9pm</td>
<td>American Medical Writing Association</td>
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</tbody>
</table>
Laboratory Research is #1 Priority

More information: ijobs.rutgers.edu

Email: Millionig@cabm.rutgers.edu
janet.alder@rutgers.edu
Current Position of SciPhD Participants (n = 122)

- **Academia**: 29%
- **For Profit**: 53%
- **Government**: 5%
- **Nonprofit**: 7%
- **Unknown**: 6%
- **ALL SECTORS**: 100%
iJOBS Participants have decreased time to defense

Time to defense vs participation
Two tailed t test p = 0.0048

Time to degree vs participation
Two tailed t test p = 0.076

n = 103  n = 135
iJOBS Participants have more publications than non participants

- **Total pubs vs participation**
  - Two tailed t test $p = 0.026$
  - Mean: Control 2.90, iJOBS 3.86

- **1st author pubs vs participation**
  - Two tailed t test $p = 0.18$
  - Mean: Control 1.18, iJOBS 1.41
Website: your resource for everything

http://rwjms.rutgers.edu/education/gsbs/

Join our groups and also email us your news to post!

Google calendar
• Seminars
• Career development events
• Thesis defenses
• Workshops
• Can link to your calendar

LinkedIn has alumni contacts – important for career development
Have fun!
Where are we?

New Brunswick/Piscataway
Rutgers is less than an hour to NYC and Philadelphia by train
Delaware and Raritan Canal

Jersey Shore

Poconos Mountains
Reach Out if You Need Help

Counseling and Psychiatric Services (CAPS)
Monday-Friday 9am-4pm: 848-932-7884  Evenings and weekends: 1-855-654-6735

Let's Talk drop in every Tuesday 2:45-4:45pm
Important Websites and Information

Biomedical Sciences Graduate Student Information: http://rwjms.rutgers.edu/gsbs/

Resources for Graduate Students: Graduatestudentlife.rutgers.edu/resources/
• Bias reporting and prevention
• Violence Prevention and Victim Assistance (VPVA)
• Food pantry
We Are Here for You

Jim Millonig: millonig@cabm.rutgers.edu

Janet Alder: janet.alder@rutgers.edu
Graduate Student Organizations

- Molecular Biosciences GSO
- NeuroConnections
- Rutgers Association of Toxicology Students
- Biomedical Engineering Student Society
- Rutgers Exposure Science Student Association
- NJ Seeding Labs
- Society for Advancing Chicanos/Hispanics and Native Americans in Science (SACNAS)
- Nutritional Sciences GSO
- Endocrinology and Animal Biosciences GSO
- Microbial Biology
- Quantitative Biology
- iJOBS blog
- Rutgers GSA – events for everyone