



Weldon Graduate Program Announcements April 5th, 2023

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Career and Internship Opportunities

Internship Positions

- [OrthoBiologics/Vet Engineering and Research Co-op, Arthrex](#)
- [New Product Introduction & Lifecycle Engineering Operations Co-op, Abiomed](#)
- [Biomedical Engineering Intern, Atraverse Medical](#)
- [Biomedical Engineering Intern, GH Labs](#)

Postdoctoral Positions

- [Postdoctoral Research Fellow, Biomedical Device Development, Merck](#)
- [Research Fellow, Protein Engineering, Mayo Clinic](#)
- [Post-Doctoral Associate, The Hormel Institute, Bioengineering/Gene Therapy/Vaccine Development, University of Minnesota](#)
- NPA Website: <https://careers.nationalpostdoc.org/jobs/>

Full Time Positions

- [Research Engineer, Mechatronics, Healthcare Research, GE Health](#)
- [Scientist I, Protein Engineering and Molecular Sciences, Repertoire Immune Medicines](#)
- [Biomedical Engineer, Virtual Reality Development at NASA JSC](#)
- [Chemical Engineer/Biomedical Engineer, Oakwood Labs](#)
- [Product Development Engineer, Visionaire, Smith & Nephew](#)
- [Design Assurance Engineer, Bradshaw Medical](#)

- [Staff R&D Engineer, Abbott](#)
- [Mechanical Engineer II, Bausch + Lomb](#)
- [Quality Engineer, 3D Systems](#)
- [Process Modeling Engineer, Fluid Dynamics, Eastridge](#)
- [Virtual Reality Development Human Performance Engineer, Aegis Aerospace](#)
- [Purdue Start-up Job Board](#)—Foundry Start Up Companies Looking to Hire
- [ACTS Career Center](#)—Association for Clinical and Translational Science
- [Academic Careers](#)
- [Doc Jobs](#)—Jobs beyond traditional clinical and academic roles

Data Management Course From Grad School

See attached

From Jamie Mohler:

I will be offering a new course in fall 2023 focusing on data management and record keeping. It will be a one credit seminar course focusing on the rapidly evolving data management requirements of NIH and NSF as well as strategies and tactics used by researchers from across the university. It will be offered on Fridays, from 9:30-11:20 for the first 8 weeks in the fall. The syllabus is attached.

Virtual Talk: Careers in International Assistance

Interested in a career in international assistance? This session will provide a brief overview of key existing and emerging trends in international assistance and career opportunities.

Register at this link: <https://twitter.com/GradPurdue/status/1641530898242740266?s=20>
<https://gspd.gosignmeup.com/public/Course/browse?courseid=4083>

CAREERS IN INTERNATIONAL ASSISTANCE

John Glover
 Executive Director for Global Development and Innovation Division (GDI)

Margaret McDonough
 Director of Practice for Global Development and Innovation Division

Fully Online
 5:00 pm - 6:00 pm
 10th April 2023

PURDUE APPLIED RESEARCH INSTITUTE

Attached please find a flyer describing a course that will be offered again in Fall 2023.
 Life of a Faculty Entrepreneur: Discovery, Development, Translation (ABE 62600/TLI 62600).
 Date/Time: Thursdays from 4:00 – 6:40pm in the Burton D. Morgan Center for Entrepreneurship Room 121.
 For more information about the course, please contact Mike Ladisch at Ladisch@purdue.edu or Nathalie Duval-Couetil at natduval@purdue.edu.

2023 FALL COURSE

UNDERSTAND TECHNOLOGY COMMERCIALIZATION

BEFORE YOU START

FOR GRADUATE STUDENTS AND POST DOCS



MIKE LADISCH, Ph.D.
Distinguished Professor, Agricultural and Biological Engineering and Biomedical Engineering
ladisch@purdue.edu



NATHALIE DUVAL-COUETIL, MBA, Ph.D.
Professor of Technology Leadership and Innovation
natduval@purdue.edu

PREPARE FOR CONTEMPORARY JOBS IN INDUSTRY OR ACADEMIA

Learn how to navigate the intellectual, financial, leadership, and management processes associated with translating research into tangible products through university-initiated, early stage commercialization. Guest speakers illustrate the startup process through case studies highlighting topics such as intellectual property, investment, publishing versus patenting, conflicts of interest, personal and professional rewards, and timing. This course will help prepare you for NSF's I-Corp Program and other commercialization activities.

TUESDAYS 4-7 PM
MRGN Room 121
Course Numbers:
ABE 62600 | TLI 62600
3 credit hours

FOR MORE INFORMATION:
Contact the course instructors.

Rarely is it possible to find a course that can satisfy so many important facets of a subject. It shows you how to transition from an academic mindset to a technology development frame of mind.

Craig Sweet | PhD Student

The course is useful in the context of professional development because it made me aware of how to identify research that is potentially financially valuable and how to avoid accidentally mishandling it.

Logan Sanzen | PhD Student

I liked the guest lectures from faculty entrepreneurs and discussions about industry collaborations that assisted with commercialization because I may be interested in something along those lines in the future.

Shelini Iyer | Postdoc



PurSyst Research Colloquium #5 Spring 2023

Purdue Systems Thinkers (PurSyst) would like to invite you to our fifth Research Colloquium this **Thursday, April 6th from 5:30 pm – 7:00 pm (EST)**. This meeting will be hybrid in nature with the details below and on the flyer (attached in-text). Our speakers will be **Giulia Murbach de Oliveira and Adam Mitrevski**, fourth-year graduate students of the department of Chemistry here in Purdue.

They will be delivering on the topic: **Systems Thinking in Drug Development**. Giulia's half of the talk will present a systems approach towards integrating chemistry and engineering tools, next-generation drug manufacturing and distribution systems towards greater process efficiencies and improved environmental outcomes. The other half of the talk will be delivered by Adam, where he will be presenting a systems approach toward the computational design and synthesis of a dual HIV/HDAC inhibitor capable of reversing HIV latency and preventing new infection.

Location: WALC 3127 (In-person) | Refreshments to be provided

Meeting link (Joining

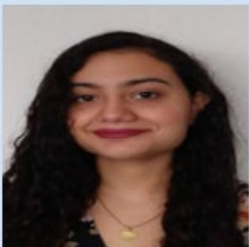
Online): <https://purdue.webex.com/purdue/j.php?MTID=m4fa4c955d1043bf7316a72ed4f996e92>

Meeting number: 2623 135 8072

Meeting Password: PurSysT

PurSysT Research Colloquium Spring 2023 Series #5

SYSTEMS THINKING IN DRUG DEVELOPMENT



- Giulia Murbach de Oliveira is a fourth-year graduate student in the Thompson Lab, Department of Chemistry. Her project is on Next-generation drug manufacturing and distribution systems. The current pandemic has not only brought new drug discovery challenges, it has also highlighted many problems in the manufacturing and distribution of already-approved drugs. Using a systems approach to integrate chemistry and engineering tools, next-generation drug manufacturing and distribution systems can be proposed to provide greater process efficiencies and improved environmental outcomes.



- Adam Mitrevski is a fourth-year graduate student in the Lipton lab, Department of Chemistry. His project is on the design and synthesis of chemical compounds capable of reversing HIV latency and preventing new infection. This can be accomplished using an HDAC inhibitor to reverse latency and an HIV protease inhibitor to eradicate the virus. A systems approach toward the computational design and synthesis of a dual HIV/HDAC inhibitor will be presented.

Thursday, April 6th @ 5:30PM EST
WALC 3127 (In-person)|Refreshments provided
WebEx: <https://tinyurl.com/4f8xwake>
Meeting no: 2623 135 8072 Password: PurSysT



**PURDUE
SYSTEMS
COLLABORATORY**

*Start the conversation.
Tackle complex problems.
Move the world forward.*

April Career Newsletter for International Students

[April Career Newsletter for International Students](#)

Workshops and Deadlines

Here are some upcoming workshops and deadlines more detailed information about the workshops will be sent out separately closer to the event.

April 5 th	How to Avoid Common Fellowship Application Mistakes (Grad School)
April 5 th	How to Deliver a Winning Presentation (Grad School)
April 5 th	Writer's Room 3 – 5 pm (Sign Up)
April 6 th	PurSysT Research Colloquium #5 Spring 2023 (Learn More)
April 7 th	Deadline to apply for Engineering Data Reporting Grad Assistant (Apply Here)
April 10 th	Careers in International Assistance Virtual Talk (Register Here)
April 11 th	3MT Competition – in person (Grad School)
April 12 th	Writer's Room 3 – 5 pm (Sign Up)
April 13 th	Debt Management (Grad School)
April 14 th	Boilers Work internship program awards announced (Grad School)
April 17 th	Deadline to apply for CU Anschutz 2 nd Annual Summer Seminar Series (Apply Here)
April 18 th	Fellowship Office Hour for Grad Students and Postdocs (Grad School)
April 18 th	Credit Cards and Credit Scores (Grad School)
April 18 th	Business Meal Etiquette (Grad School)
April 19 th	Copyrights: An Overview for Scholars (Grad School)
April 19 th	Elevator Pitch Workshop (Grad School)
April 19 th	Writer's Room 3 – 5 pm (Sign Up)
April 19 th	2023 Inaugural Tyler Symposium: Honoring Leaders in Pharmaceutical Sciences (Register)
April 20 th	Credit cards and Credit Scores (Grad School)
April 24 th -25 th	Facilitating Entering Mentoring Workshop (CIMER)
April 26 th	Writer's Room 3 – 5 pm (Sign Up)
May 3 rd	OIGP Annual Spring Reception (OIGP)
May 6 th	Deadline to pass the prelim in order for it to count as Spring 2023
May 11 th	2023 BME GSA Graduate Research Symposium
May 22 nd	Deadline to apply for Trailblazers in Engineering (TBE) Workshop (Apply Here)
May 24 th -25 th	Facilitating Entering Mentoring Workshop (CIMER)
July 24 th -25 th	Facilitating Entering Mentoring Workshop (CIMER)

News from You

Please inform Tammy of honors, awards, or other accolades (to include having a paper published) you receive so that the Weldon School may recognize your accomplishments. Send the complete information – specific title and nature of the award, name of conference or event at which award was given, date of said event, photograph if available, etc. – to tsiemers@purdue.edu.