



Weldon Graduate Program Announcements

April 27, 2022

- [Career and Internship Opportunities](#)
- [Opportunity to Mentor Undergrads through GradTrack](#)
- [PCCR Monthly Series on Career Development: A Panel Discussion with Scientists from Eli Lilly: What an Industry Career Looks Like?](#)
- [PATHFINDER: A program dedicated to career development of Purdue life scientists](#)
- [Graduate Professional Development Newsletter \(April 22\)](#)
- [NEW! Exciting Program for Students in Regulatory Education](#)
- [System ID for Fall 2022](#)
- [Executive Functioning for Biomedical Researchers- May 2, 3 PM part of Mental Health Awareness Month](#)
- [NIH Career Symposium May 11-13, 2022](#)
- [Fall 2022 Tech Commercialization and Entrepreneurship Course](#)
- [Featured Database: Web of Science](#)
- [Workshops and Deadlines](#)
- [News from You](#)

Career and Internship Opportunities

Internship Positions

- [Summer 2022 Associate Engineer, SpaceX](#)

Postdoctoral Positions

- NPA Website: <https://careers.nationalpostdoc.org/jobs/>

Full time Positions

- [Biomedical Engineer, LivaNova](#)
- [Biomedical Engineer, Onocyte Corporation](#)
- [Senior Manufacturing Process Engineer, Cook Advanced Technologies](#)
- [Senior Mechanical Design Engineer, Cook Advanced Technologies](#)
- [Mechanical Engineer, Cook Advanced Technologies](#)
- [Research and Development Engineer, Cook Advanced Technologies](#)
- [Regulatory Scientist, Cook Advanced Technology](#)
- [Biomedical Engineer II, True Digital Surgery](#)
- [Research Scientist, Protein Engineering, Stanford](#)

- [Product Development Engineer, Viant](#)
- [Machine Learning Scientist, Protein Engineering, Metagenomi](#)
- [Product Development Engineer, Innovheart](#)
- [Biomedical Senior System Engineer, i7](#)
- [Bioengineer II, Cell and Gene Therapy R&D, Thermo Fisher Scientific](#)
- [Quality Engineer, Merck Germany](#)
- [Biomechanical Engineer, ARCCA](#)
- [Lab Manager, Merck](#)
- [Scientist, Catalent Cell & Gene Therapy](#)
- [Senior Product Development Engineer, Bioventus](#)
- [Purdue Start-up Job Board](#)—Foundry Start Up Companies Looking to Hire
- [ACTS Career Center](#)—Association for Clinical and Translational Science
- [Doc Jobs](#)—Jobs beyond traditional clinical and academic roles

Opportunity to Mentor Undergrads through GradTrack

Below is an opportunity for graduate students to mentor undergraduates interested in pursuing graduate school. More information is available at:

<https://engineering.purdue.edu/Engr/Academics/Graduate/gradtrack/index.html>.

GradTrack Program Dates: Meet virtually on Monday nights in the Fall from 7-8:15pm for 1.5 hour from August 2022 – Dec 2022 (8 meetings total, dates to be shared soon; please see website for more information). There will also be a mandatory mentor training in August 2022 and a debrief dinner in early Dec 2022.

Selected Graduate Student GradTrack Mentors will be given \$1,000 for their time.

What you will do as a mentor:

- Receive mentorship training prior to program start.
- Lead a group of 5-7 undergraduate students in monthly discussions about various topics related to graduate school (The Office of Graduate Education will share discussion topics).
- Actively engage in mentoring. There will be an estimated 2-4 hours a month outside of the monthly meetings to answer student questions, meet one-on-one, and provide feedback on documents when appropriate.

Eligibility criteria:

- Be enrolled in a Master's or PhD program within Purdue's College of Engineering
- Be in good academic standing with advisor support of your participation
- Have an interest in mentoring underrepresented students

Apply to be a GradTrack mentor

here: https://purdue.ca1.qualtrics.com/jfe/form/SV_eM2h4IN5eWCLRjg

To complete this application, you will need: A resume/CV, a screenshot confirmation email from your major professor/department confirming that they support you spending time as a mentor, and a short statement of interest in mentoring BIPOC undergraduate students.

PCCR Monthly Series on Career Development: A Panel Discussion with Scientists from Eli Lilly: What an Industry Career Looks Like?

See attached

The next seminar in the Purdue Center for Cancer Research monthly series on career development will be April 28 from 11:30 AM – 12:30 PM.

Jean Branttie, Madalyn Stancik, Maroun Beyrouthy and Stephanie Stout, from Eli Lilly and Company, will be presenting, “A Panel Discussion with Scientists from Eli Lilly: What an Industry Career Looks Like?”

Please see the attached flyer for more details. Feel free to forward this invite to anyone you think would be interested.

Register for this webinar at:

https://purdue-edu.zoom.us/webinar/register/WN_EnOz9szFQfmyZYsTxtLT3Q

After registering, you will receive a confirmation email containing information about joining the webinar.

Check out other PCCR career development events and resources at:

<https://www.purdue.edu/cancer-research/Training%20and%20Education/Graduate%20and%20Doctorate.php>

If you have any questions or suggestions on the topics that could be covered in the career development series, please contact Jiang Yang at yang1491@purdue.edu.

PATHFINDER: A program dedicated to career development of Purdue life scientists

Pathfinder is a new program dedicated to help with career development. Pathfinder aims to link with local companies and build bridges for improving the retention of talented life scientists in Indiana. The program exposes our talented graduate students and postdocs to scientists that are currently working in life sciences companies in Indiana and can act as models for successful careers at our doorsteps. The plan for the Pathfinder program is to conduct virtual interviews sessions with industry scientists and capture their story to identify factors for their success as industry scientists.

Our first interview is with Jonathan Snyder, PhD, Principal Research Scientist at Elanco in Greenfield, IN:

Thursday, April 28th from 3:30pm to 4:30pm.

Join Zoom Meeting:

<https://purdue-edu.zoom.us/j/94020385466>

PATHFINDER



Jonathan Snyder, PhD

Principal Research Scientist



Elanco, Greenfield, IN

Produced by:



Graduate Professional Development Newsletter (April 22)

<https://mailimages.purdue.edu/vo/?FileID=6d154730-04ab-460e-aa6f-368f8ab63ec4&m=1bca436d-9230-405c-ba60-110d91780c2d&MailID=43032407&listid=125061&RecipientID=21449415711>

NEW! Exciting Program for Students in Regulatory Education

https://contentsharing.net/actions/email_web_version.cfm?recipient_id=4641886449&message_id=21673559&user_id=RAPS&group_id=5670086&jobid=55700645&utm_source=RAPS%20Magnet%20Mail&utm_medium=email&utm_campaign=Convergence%20Student%20Program%2D%23%201%2D04%2E01%2E2022

System ID for Fall 2022

See attached

Course announcement

If you are interested in data science or any experimental work, please check this course. ME 584 deals with building models from data or the conditions that experiments must satisfy to extract the parameters of physical systems. The course will also give you some of the rigorous bases of AI/ML methods. You can contact course instructor Dr. Ariyur for questions.

ME 584--System Identification

Instructor: Kartik B. Ariyur (https://www.researchgate.net/profile/Kartik_Ariyur)

Course description: The course this time will be suitable to students all around science and engineering and the data sciences. Students will be able to work on a variety of course projects identifying generalized least squares models, or dynamic system models, or various machine learning models. It will provide a fundamental grasp on the underlying theory (least squares, maximum likelihood estimation and connection to experiment design), models for estimation (ARMAX type or difference equation models, neural nets--supervised/unsupervised, physics-based), estimation algorithms (subspace, linear dimensionality reduction, convergence issues) and their implementation (testing for optimality, robustness, and statistical validity). Extensions to inverse problems and pattern recognition will also be covered. The course will possibly have an online section later on for those looking for schedule flexibility.

The course has typically had students from all over engineering, including those from thermal and fluid sciences, food science, and agriculture. See the attached syllabus from last year for the details.

Executive Functioning for Biomedical Researchers- May 2, 3 PM part of Mental Health Awareness Month

May is Mental Health Awareness Month, and the NIH Office of Intramural Training and Education (OITE) is excited to be starting the month off with the fifth installment of the Mental Health and Well-being for Biomedical Researchers Series.

Please join us May 2nd, 3:00-4:10pm ET for “Executive Functioning for Biomedical Researchers”. The webinar will define executive functioning (EF) skills, with a particular focus on the role of EF for those working in biomedical research fields. The webinar will provide information on the types of daily stressors that impact one’s executive functioning, as well as concrete ways to manage EF needs and build EF tools. Please [Register](#).

Immediately following the webinar (from 4:10 – 5:10), we will host small group discussions facilitated by an OITE wellness advisor to discuss the material in greater depth. There will also be two supplemental sessions offered later in May, to further support EF skills building, as well as communicating about EF needs. Information on the follow-up sessions will be sent to those who register for the webinar. Additionally, a recording of the webinar will be made available 24-48 hours after the webinar. This series is open to everyone at NIH and beyond, so feel free to forward to colleagues at other institutions.

We look forward to seeing you at the webinar,

Sharon
Dr. Sharon L. Milgram
(she/her/hers)
Director, NIH Office of Intramural Training & Education
NIH Office of the Director
<https://www.training.nih.gov/>

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NIH Office of Intramural Training & Education - <https://www.training.nih.gov>

Upcoming Events - <https://www.training.nih.gov/events/upcoming>

Career Services Advice and Appointments - [https://www.training.nih.gov/career\\_services](https://www.training.nih.gov/career_services)

NIH Alumni Database, Explore for your career options & Register as you leave - <https://www.training.nih.gov/alumni/register>

## **NIH Career Symposium May 11-13, 2022**

Registration is now open for the NIH Career Symposium (May 11-13, more info below) for all trainees in the biomedical sciences (intramural and extramural- postdocs and grad students). This year we are using an online platform to make it easier and to provide more interactions between participants and speakers. You are welcome to come to every session, or just the ones you are interested in. Registration is free (but please only register if you actually plan on coming)

1. The full agenda is [Here](#)
2. See the [Speakers](#)
3. Registration is here (the event is free). [https://whova.com/portal/registration/multi2\\_202202/](https://whova.com/portal/registration/multi2_202202/)

Once registered we encourage you to explore the agenda and the current speakers—we are still adding more speakers in many sessions, so check back often! (and if you have a speaker request, let me know)

**ONE REQUEST**—if you are planning to attend particular sessions please add that to your Agenda within the Whova pages—that way we have a feel for how many participants are coming to each session and if we have an adequate number of speakers. ([instructions below](#))

#### 15TH ANNUAL NIH CAREER SYMPOSIUM- AN ONLINE EVENT

**May 11-13, 2022 11:00 am - 5:45 pm**

The NIH Career Symposium highlights the diversity of career choices available to biomedical researchers today. Whether you are a new graduate student, postdoc, or clinical fellow just beginning to consider career options or a senior student/fellow ready to look for a job, the NIH Career Symposium is for you. Wondering what the Career Symposium is all about? Check out past events [here](#).

We have already recruited over 250 speakers for you to network with. We will start each day with an intro on each sector (career options, being a competitive applicant, resources for success. This is a great way for you to jumpstart each day and plan for what events you would like to attend. Then you will have the ability to network with professionals in a variety of jobs, participating in informational interviews, which we hope will help you identify your career of choice and the steps required to get your foot in the door. We will host a series of zoom rooms for career conversations with one or two speakers. Multiple rooms with speakers in similar career paths will run concurrently. For example, research positions in industry would have multiple rooms going at once. Our goal is that each room will have no more than 15 participants, giving every attendee ample time to connect with a professional. Participants will have the ability to move through the “rooms” as they like, meeting a speaker, asking questions, or even just listening in to see if a particular career path looks enticing. *NOTE: What is said in these rooms will NOT be recorded.*

We will also have a workshop on *Why Career Choices are so Hard: a practical guide for navigating the career* on Wednesday afternoon, and a workshop on Thursday afternoon on *Current Hiring Trends*.

*Closer to the event we will send a guide to those registered on how to navigate these rooms for informational interviews (including seed questions).*

#### **WED-MAY-11 - ACADEMIC CAREERS**

- 11:00am-11:50am - Seminar: Introduction to Academia (will be recorded)
- 12:00pm-1:00pm - Research Intensive Faculty
- 1:10pm 2:10pm - Teaching Intensive Faculty
- 2:20pm-3:20pm - Non-Faculty Research (Academics) (like core directors, staff scientists, etc)
- 3:30pm-4:30pm - Supporting Academic Science (postdoc office, grants, student services, program support, admin)
- 4:40pm -5:40pm- Seminar: Why Career Choices are so Hard: a practical guide for navigating the career process (will be recorded)

#### **THU-MAY-12 - INDUSTRY CAREERS**

- 11:00am-11:50am - Seminar: Industry overview (will be recorded)
- 12:00pm-1:00pm - Industry- Bench Careers
- 1:10pm 2:10pm - Industry: Nonbench Careers (MSL, FAS, sales, marketing, reg affairs, etc)
- 2:20pm-3:20pm - Business, Technology Transfer and Patent Careers (law, consulting, PTO, business Development, Tech Transfer)
- 3:30pm-4:30pm - Public Health/Clinical
- 4:40pm -5:40pm- Seminar: Current Hiring Trends (will be recorded)

#### **FRI-MAY-13 - FOR THE LOVE OF SCIENCE CAREERS**

- 11:00am-11:50am - Seminar: Introductions to today's careers (will be recorded)
- 12:00pm-1:00pm - Science Policy
- 1:10pm 2:10pm - Careers in Science Communication (editors, science writing, etc)
- 2:20pm-3:20pm - Government Careers (mostly non-bench, all branches)

- 3:30pm-4:30pm - Science Education and Outreach Careers / Data Science / Non-Profits

If you would like to explore these career options on your own schedule, we have a plethora of panels, interviews and written synopses of previous events. Check out past events [here](#).

Instructions for WHOVA Agenda ADD

[https://whova.com/embedded/event/multi2\\_202202/?utc\\_source=ems](https://whova.com/embedded/event/multi2_202202/?utc_source=ems)

1. Find the Agenda tab on the side of the screen. You should see a list of sessions for that day.
2. You can move through different days by selecting the date you want to view on the calendar at the top of the agenda
3. Browse or search for sessions on the top bar.
4. Once you find the session you want to access, tap on it.
5. If the session is live, it will begin playing immediately upon entering. Otherwise, a message will indicate the scheduled start time.
6. If the session hasn't occurred yet, you can click Add to My Agenda to put the session on your own personal agenda.

## Fall 2022 Tech Commercialization and Entrepreneurship Course

*See attached flyer*

## Featured Database: Web of Science

### Focus

Web of Science provides access to the world's leading scholarly literature in the science, social sciences, arts, and humanities and examine proceedings of international conferences, symposia, seminars, colloquia, workshops, and conventions.

### Access

The [List of Business Databases](#) is the alphabetical list of the databases specially selected for those in a business program of study. Access the databases off-campus with your Purdue Career Account.

### Tutorial

Click [Getting Started with Web of Science](#) to see the basics of using this database.

### Related Resources

Some other resources you might want to explore are:

- [Business Source Complete](#), indexes and abstract articles in business management, marketing, MIS, accounting, finance, international business, and related disciplines.
- [EconLit](#), provides access to bibliographic citations, journal articles, books, dissertations, and more in the areas of economic development, forecasting, and history; fiscal and monetary theory; and more.

## 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 29 <sup>th</sup> | Deadline to apply for summer Intensive Writing Experience (IWE) |
| April 30 <sup>th</sup> | <a href="#">Bloomberg Data Science Fellowship Due</a>           |
| May 4 <sup>th</sup>    | OIGP Spring Reception                                           |
| May 5 <sup>th</sup>    | Faculty Coffee Chat: Professor Alexandria Volkening             |
| May 13 <sup>th</sup>   | Peer Mentoring Grab and Go Lunch                                |

## 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](mailto:tsiemers@purdue.edu).*