



Weldon Graduate Program Announcements

March 22nd, 2023

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Career and Internship Opportunities

Internship Positions

- [Engineering and Design Co-op, Johnson and Johnson](#)
- [Package Development Engineer Co-op, Johnson and Johnson](#)
- [R&D Engineering, Fresenius Medical Care](#)
- [Hardware Engineer Co-op, Biomerieux](#)
- [Biomedical Engineering Intern, GH Labs](#)

Postdoctoral Positions

- [Postdoctoral Researcher, Enzyme Engineering, Lawrence Livermore National Lab](#)
- [Postdoctoral Fellow, Antibody Design and Engineering, AstraZeneca](#)
- NPA Website: <https://careers.nationalpostdoc.org/jobs/>

Full Time Positions

- [Biomedical Engineer, PhD, Procter & Gamble](#)
- [Biomedical Engineering New Grads, Imaging Project Coordinator, Medpace](#)

- [Medical Device Project Engineer, Element Materials Technology](#)
- [Engineer, Human Factors, Eli Lilly](#)
- [Metabolic Engineer, Trait Biosciences](#)
- [Staff Engineer, R&D, Johnson & Johnson](#)
- [Staff Clinical Engineer, Samsung Research America](#)
- [Scientist, Genome Engineering Technology Center, Arc Institute](#)
- [Senior Scientist I, Protein Engineering, Solugen](#)
- [Lead Microfluidics Engineer, Chronus Health](#)
- [Human Performance Engineer, KBR](#)
- [Clinical Systems Engineer, Dimensional Thinking LLC](#)
- [Senior Research Associate, Greenlight Biosciences](#)
- [Process Engineer, Siemens Healthineers](#)
- [Systems Engineer-Electro-Mechanical-Product Development, KMC Systems](#)
- [Early Device Project Engineering Lead, GSK](#)
- [Senior Research and Development Engineer, SPR Therapeutics](#)
- [Product Development Engineer II, Smith & Nephew](#)
- [Tech Staff, MIT Lincoln Laboratory](#)
- [Scientist, Biologics Engineering, AstraZeneca](#)
- [Research Assistant, Biomedical Engineering, Vanderbilt University](#)
- [Product Development Engineer, PVD](#)
- [Senior Scientist, PacBio](#)
- [Biomedical Engineering, Imaging Project Coordinator, Medpace](#)
- [Senior Engineer, Clinical Research, Samsung](#)
- [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

Summer Course MSE 597 Lean Manufacturing

See Attached

This course is normally offered spring semester, but if we get enough interest, we will offer it summer as well.

Fall Class: CHE 502 (used to be CHE 597) Analytical Approach to Healthcare Delivery

See Attached

Zuckerman Institute Postdoctoral Fellows in Mind Brain Behavior

The Zuckerman Institute Postdoctoral Fellows program at Columbia University provides an opportunity for talented, early-career scientists to pursue pioneering research into [understanding how the brain works](#) ~~2~~ how it

evolves, performs, endures and recovers. Fellows will be welcomed into the institute's vibrant intellectual community with broad-ranging collaboration opportunities. The Zuckerman Institute welcomes Fellows from a diversity of disciplines and from groups who have traditionally been underrepresented in science, technology, engineering, and math fields (STEM) to apply. The Zuckerman Institute encourages the Fellows to carry out collaborative research under the mentorship of one or more faculty mentors and will promote their mentorship in an inclusive learning environment.

Applications are open now through May 1, 2023 with an expected start by Jan 1, 2024. In person interviews will be held on June 14-15, 2023.

As integral members of the Zuckerman Institute community, Fellows will have full access to the institute's [cutting-edge equipment, facilities, space and services](#): including a magnetic resonance imaging facility, a cellular imaging team with advanced microscopy instrumentation, customized molecular and genetic tools, single-cell analysis capabilities, opportunities to partner with the country's strongest concentrations of computational neuroscientists, and more.

Fellows will also enjoy the institute's extensive portfolio of [scientific programs](#), including symposia, seminars, public-outreach opportunities and events with award-winning artists-in-residence. Also available to Fellows are resources for career and professional development and community building. Among them are opportunities to build a network of advisors and connect with PIs and postdocs in other disciplines, special-interest activities (like thematic journal clubs), grant-writing consultation and assistance, trainee advisory resources to navigate both academic and non-academic job markets, and much more. Beyond these institute resources, Fellows will become part of the wider Columbia University community. The fellowship offers a competitive salary and access to the university's postdoctoral housing.

Strong preference will be given to early-career applicants who received their Ph.D. less than one year prior to their start date.

Learn more and apply [here](#)!

Contact: programs@zi.columbia.edu

Research Engineer & Postdoctoral Fellowship Positions at Stanford University - Human Performance Laboratory

Postdoctoral Fellowship

A team of faculty at Stanford University, led by Professor [Scott Delp](#), is accepting applications for a Postdoctoral Fellowship in biomechanical engineering and human performance science. Candidates are expected to have a PhD in a related discipline and experience with motion capture technology and biomechanical analysis. Individuals with backgrounds in biomechanics, neuroscience, biomedical informatics, robotics, and computer science are all welcome to apply. The position will be in the [Human Performance Lab at Stanford](#), which is affiliated with the [Neuromuscular Biomechanics Lab](#) and the [Wu Tsai Human Performance Alliance](#).

We are searching for outstanding individuals to join our team and develop new methods to measure, simulate, and analyze human movement. Our approach will leverage novel data sources, such as real-world wearable sensors and video, experimental analysis, biomechanical modeling, and state-of-the-art models of neural control. Funding is available to support fellows for two or more years. Fellows will have the opportunity to build an interdisciplinary scientific network, participate in mentoring graduate and undergraduate students, and present their work at international scientific meetings.

Candidates must have:

- A PhD in engineering, computer science, neuroscience, or related fields
- Strong record of publication and excellent communication skills
- Experience in biomechanics experiments and modeling

[Learn more and apply now](#)

Research Engineer

The [Wu Tsai Human Performance Alliance](#) at Stanford University has established a new position in our [Human Performance Laboratory](#), which is directed by Professor [Scott Delp](#). The research engineer will work with a talented team of faculty, staff, postdoctoral fellows, and graduate students to advance our understanding of human movement through state-of-the-art experiments and biomechanical simulation.

The Research Engineer will conduct world-class research in the Human Performance Lab on projects related to the Human Performance Alliance research priorities, such as revealing the mechanisms of peak performance, preventing sports-related injuries, accelerating rehabilitation from injuries, and building engineering tools and data sets that advance the field.

Candidates should have a Ph.D. in Bioengineering, Mechanical Engineering, Computer Science, Kinesiology or related field, including research experience in experimental analysis of human movement and a strong record of scientific publications. Experience with motion capture, wearable sensors, metabolic measurements, strength assessment, data acquisition, EMG recordings, programming in Matlab and/or Python, and excellent communication skills and analytical skills are also required for the position.

[Learn more and apply now](#)

CU Anschutz 2nd Annual Summer Seminar Series: Apply by April 17th

We are delighted to announce our 2nd Annual Summer Seminar Series hosted by the Biochemistry and Molecular Genetics (BMG) Department at the University of Colorado Anschutz Medical Campus.

The BMG Diversity, Equity & Anti-Racism committee is seeking individuals of racial and ethnic underrepresented backgrounds who are within approximately two years of completing their PhDs and are passionate about pursuing postdoctoral research in academia to share their thesis work with our community and meet potential postdoc mentors.

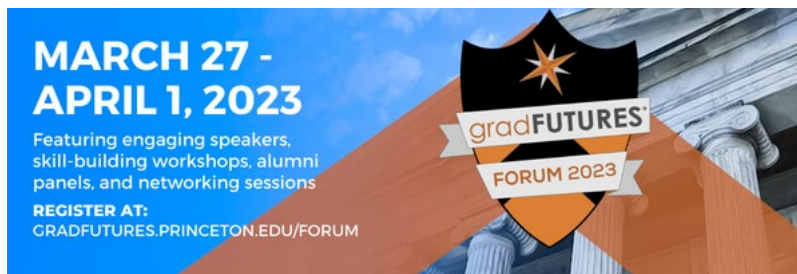
Selected candidates will present their research to the department in a 30 minute seminar, engage in one-on-one meetings with faculty members, connect with current postdocs in the department, dine with department members, and explore both the campus and Denver. Travel and lodging will be fully covered.

If you are interested, please use [this google form](#) to review the eligibility requirements and submit your CV and talk abstract by April 17th. Applicants will be notified by May 1st. Please contact sarah.vinton@cuanschutz.edu if you have any questions or technical difficulties.

Graduate Professional Development Newsletter (MARCH 17)

[Graduate Professional Development Newsletter \(MARCH 17\)](#)

Invitation to Princeton's GradFUTURES Forum- annual professional development conference



Dear GCC colleagues,

On behalf of the GradFUTURES team in Princeton University's Graduate School, I am pleased to invite you, and your graduate students and postdocs to the **2023 GradFUTURES Forum**, an annual professional development conference scheduled between **March 27-April 1**. This forum brings together graduate students, postdocs, graduate alumni, thought leaders and experts across different fields through a lineup of engaging talks, conversations, workshops, resource fair and networking opportunities.

The virtual events are open to GCC members, and graduate students, postdocs, faculty, and staff at your universities and institutions. We hope you will share it with your community and encourage participation. We will cover topics addressing innovation and entrepreneurship, research communication, science policy, mental health and wellbeing, diversity equity inclusion and access through professional development, mentorship, leadership, non-linear careers, among others. The topics are relevant to all disciplines.

Please [click here](https://gradfutures.princeton.edu/VirtualForum2023) for detailed schedule and RSVP for virtual participation (URL-
<https://gradfutures.princeton.edu/VirtualForum2023>)

Please don't hesitate to email me (sm4446@princeton.edu) if you have any questions.

Boilers Work Internship Program - 2 Weeks Left!

There are only **2 weeks left** to submit for the Boilers Work Internship Program! Please share this information with graduate students and faculty in your area!

The Boilers Work internship program is open and accepting submissions for the summer of 2023. This internship program provides ten graduate students per year with a stipend to pursue an unpaid summer internship. This year, the stipend award has increased to \$7,500! This program is intended to help students garner real-world work experience, refine soft skills, and establish career connections before graduation.

The deadline to submit is April 3rd by 11:59 p.m. Awards will be announced on April 14th.

More information about this program, as well as rules and requirements, can be found on the [website](#)!

If you have further questions, please email profdev@purdue.edu

Course Announcement: NUR 692: Applied Statistics in Healthcare Mondays 9:30-12:20pm

See attached

Credits: 3

Course Description:

This course surveys statistical methods within the context of healthcare research applications. Emphasis is placed on gaining an intuition for methodological purpose, basic application, and interpretation. Methods covered include descriptive statistics, probability distributions, hypothesis testing, chi-square test, parametric and non-parametric means testing, ANOVA, linear regression, logistic regression, survival analysis, bootstrapping, mixed models, principal components analysis, clustering, and power analysis. Additional topics covered if time permits. Familiarity with basic probability and statistical methods at the undergraduate level is

assumed. Lectures and lab will occur in a single period using SPSS software. Assignments follow from methods covered in lecture and lab.

2nd Women's Quantum Programming Workshop Friday, March 24. Lunch provided!

See attached

RSVP here: purdue.link/iqparc (lunch provided!)

- Session Chair: **Prof. Hadiseh Alaeian (Assistant Professor of Electrical and Computer Engineering and Physics and Astronomy)**
- 11:00 AM - 11:15 AM: Opening remark by **Prof. Mahdi Hosseini (Director of IQPARC, Assistant Professor of Electrical and Computer Engineering and Physics and Astronomy)**
- 11:15 AM - 11:59 AM **Quantum Game Club (Xu (Anderson) Xinzhe and Zirui Zhang, Quantum Game Club Student Leadership)**
- 11:59 AM - 12:45 PM Lunch Break (Lunch will be provided for in-person attendees).
- 12:45 PM - 1:30 PM **Dr. Catherine Potts and Dr. Joel Gottlieb (Quantum Data Scientist and Technical Sales Engineer at Quantum Computing Inc.) — Zoom**
- 1:30 PM - 2:30 PM **Mariia Mykhailova (Principal Software Engineer at Microsoft Quantum) — Zoom**
- 2:30 PM - 3:15 PM **Dr. Ksenia Sosnova, (Senior Physicist, IonQ)**
- 3:15 PM - 4:00 PM **Dr. Sona Najafi (Researcher at IBM Working On Quantum Machine Learning and Quantum Computing) — Zoom**
- 4:00 PM - 4:15 PM Closing remark by **Prof. Alaeian (Assistant Professor of Electrical and Computer Engineering and Physics and Astronomy)**

OIGP Social Justice Seminar

The [Office of Interdisciplinary Graduate Programs \(OIGP\)](#) cordially invites you to an Interdisciplinary Social Justice Seminar Series:

Resilience in Immigrant Youth Experiencing Marginalization: Applying a Social Justice Lens

Speaker: Dr. Zoe E. Taylor

Associate Professor
Department of Human Development and Family Science
College of Health and Human Sciences
Purdue University

Date: Tuesday, March 28, 2023

Time: 12:00 PM

Young Hall, Room B-64

Please [RSVP by noon on March 22nd](#). if you would like to attend the seminar and discussion, lunch will be provided. Visit the [Social Justice Seminar Series](#) to see other upcoming events that you may be interested in joining.

GA Position – Data Reporting

See attached

Another graduate assistant opening in the College to begin Summer 2023 or Fall 2023 to assist with data reporting. See attached announcement for details and link to apply. Apply by April 7th.

Postdoc Houston

All are invited to this free, virtual Postdoc Houston recruitment event on May 18th at 11 AM Central!

[MD Anderson Cancer Center](#), [Baylor College of Medicine](#), [The University of Texas Health Science Center at Houston \(UTHealth Houston\)](#), and [Houston Methodist](#) are teaming up to introduce prospective postdocs to Houston, our institutions, and the incredible opportunities that exist at the [Texas Medical Center](#). 6

This event is open to anyone who is interested in learning about postdoc opportunities. Details and registration are here -- <https://lnkd.in/gvqxHE9v>.

<https://www.postdochoouston.org/>

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.

March 22 nd	Debt Management (Grad School)
March 22 nd	Ask a Postdoc Panel (Grad School)
March 22 nd	Writer's Room 3 – 5 pm (Sign Up)
March 22 nd	Deadline to RSVP to OIGP Seminar: Resilience in Immigrant Youth (RSVP)
March 23 rd	Let's Talk Taxes (Grad School)
March 23 rd	Using Data to Tell a Story (Grad School)
March 23 rd	Preparing an Effective Lecture (Teaching) (Grad School)
March 24 th	LinkedIn (Grad School)
March 24 th	2 nd Women's Quantum Programming Workshop (RSVP)
March 27 th	Authorship and Publishing (Grad School)
Mar. 27 – Apr. 1	Princeton's GradFUTURES Forum: Annual Professional Development Conference (Register Here)
March 28 th	Seminar: The Heights and Pitfalls of Resilience: A Social Justice Perspective (OIGP)
March 28 th	OIGP Seminar: Resilience in Immigrant Youth Experiencing Marginalization (RSVP)
March 29 th	Writer's Room 3 – 5 pm (Sign Up)
March 30 th	Inaugural BIPOC in Biotech event in Chicago (Register Here)
March 31 st	Deadline to submit application for BME Graduate Research Symposium (Apply Here)
April 3 rd	Submission deadline for Boilers Work internship program (Grad School)
April 4 th	Coffee with the Dean (Grad School)
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 7 th	Deadline to apply for Engineering Data Reporting Grad Assistant (Apply 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.