



Weldon Graduate Program Announcements May 22nd, 2024

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Career and Internship Opportunities

Internship Positions

- [Co-op Internship 2025, Zoll Medical](#)
- [Intern, Graduate Level, Molina Healthcare](#)
- [Intern, Cell Therapy, Sartorius](#)
- [Sports Research Lab Internship, 1 year, New Balance](#)
- [Biomedical Intern, Systems Ally](#)

Postdoctoral Positions

- [Post Doc Hiring Initiative, Genentech](#)
- [Postdoctoral Associate, Bioengineering/3D Printing, Jackson Laboratory](#)
- [Postdoctoral Associate, Chemical and Biological Engineering, University of Buffalo](#)
- NPA Website: <https://careers.nationalpostdoc.org/jobs/>

Full Time Positions

- [Applications Engineer II, Millipore Sigma](#)
- [Biomedical Engineer, Tulane University](#)
- [Biomedical Engineer II, Ricoh](#)
- [Biomedical Engineer, Iota Biosciences](#)
- [Cleaning Validation Engineer, Cybotic Systems](#)
- [Associate Scientist, Metabolic Disorders, Insitro](#)
- [Biomedical Design Engineer, Actalent](#)

- [Quality Engineer, AbbVie](#)
- [Biomedical Engineer, Athios](#)
- [Applications Engineer II, MilliporeSigma](#)
- [Junior Quality Engineer, Medical Devices, Cannon Quality Group](#)
- [Senior Scientist, Automation, Regeneron](#)
- [Scientist II, Formulation, Entrada](#)
- [Scientist II, Computational Biology, Life Edit](#)
- [Scientist I, Early Pre-clinical Development, Lilly](#)
- [Scientist I, Technology Development, Life Edit](#)
- [Research Biomedical Engineer, Moffitt Cancer Center](#)
- [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

Graduate Professional Development Newsletter (May 17)

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

Postdoc Program in Neurological Disease (NOMIS-Gladstone Fellowship Program)

[Applications are now open](#) for the [NOMIS–Gladstone Fellowship Program](#) at the Gladstone Institute of Neurological Disease (GIND).

This interdisciplinary training and research program offers exceptional postdoctoral scientists the freedom to address big unanswered questions at the intersection of two or more scientific disciplines.

Gladstone provides an ideal environment for training in integrative neuroscience with dedicated mentorship by world-class investigators.

Collaborations with the University of California, San Francisco (UCSF) further expand the opportunities for professional and career development. NOMIS–Gladstone Fellows will be appointed as scientists at GIND and will have an affiliation with UCSF’s Department of Neurology.

Benefits

- Access to state-of-the-art facilities and resources at Gladstone and UCSF
- Freedom to explore high-risk concepts
- Fully funded two-year positions with support for research and travel
- Opportunity to acquire interdisciplinary research skills through co-mentorship
- Highly collaborative environment
- Scientific leadership training and career development support
- Integration into outstanding Gladstone, UCSF, and NOMIS Foundation networks of pioneering researchers
- Annual salary of \$94,000 plus benefits, and an annual \$10,000 housing supplement

Eligibility Requirements

- Ph.D. or M.D.
- Strong interest in interdisciplinary neuroscience training
- Genuine commitment to developing an independent academic career
- Outstanding records of relevant achievements and creativity
- Evidence for high levels of curiosity, imagination and perseverance

Application Materials

- Curriculum vitae

- Statement of research interests (up to two pages) reflecting commitment to leading-edge interdisciplinary neuroscientific/biomedical research and indicating [two potential co-mentors](#) from the faculty of the Gladstone Institute of Neurological Disease
- Description of long-term career goals (half a page)
- Three letters of reference from current or former mentors

These materials should be submitted to:

Randi Mott

NOMIS–Gladstone Fellowship Program

randi.mott@gladstone.ucsf.edu

Applications are reviewed on a rolling basis.

The NOMIS Foundation and Gladstone Institutes are committed to equality and diversity.

More information is available at <https://gladstone.org/nomis-gladstone-fellowship-program>

BME and IBSC Preliminary Exam Reminders

For those of you planning to hold your preliminary examination this year, please look ahead at the instructions in order to prepare and avoid any last minute concerns.

[Prelim info for students admitted prior to 2022](#) – Follow the instructions on this website if you were admitted to the BME or IBSC graduate program prior to the year 2022. You might choose instead to follow the revised prelim process – next link below. Discuss this with your faculty research advisor(s) and let me know in advance if you plan to follow the new process. The BME grad office will assume you are following the original prelim process unless you tell Sandy otherwise.

[Prelim info for students admitted 2022 and beyond](#) – You must follow the instructions on this website if you were admitted to the BME or IBSC graduate program anytime in the year 2022 and beyond.

For all students – Four preliminary examining committee members are required and these do not have to be all the same as your plan of study and/or qual committee members. Discuss with your faculty research advisor(s) to determine an appropriate committee. If you plan to have an examining committee member who is not at Purdue we will need to request a special graduate faculty appointment for that person. For this Sandy will need the person's C.V. as soon as possible to ensure the request can be submitted and approved before your proposed prelim date. Once you have the date, time and location set for your prelim, you will need to submit the online GS form 8 (link in myPurdue under the Academics tab) at least two weeks in advance.

Again, review your applicable prelim website for complete instructions and feel free to let Sandy know at smmay@purdue.edu if questions arise.

Postdoctoral Fellowship in Tumor Immunology and Immunotherapy

The labs of Dr. AP Ganesan and Dr. P Vijayanand are seeking a highly motivated postdoctoral scientist to undertake research in tumor immunology to investigate novel therapeutic targets for cancer immunotherapy and translation to the clinic. The candidate will work under the joint mentorship of Dr. Ganesan (oncologist/physician scientist; Assistant Professor, UCSD) and Dr. Vijayanand (Professor, LJI).

<https://www.rchsd.org/doctors/a-preethi-ganesan-md-phd> (lab site under reconstruction)

<https://www.lji.org/labs/vijayanand/>

Research focus

To investigate molecular and cellular mechanisms of anti-tumor immunity and test novel immunotherapy targets using cutting-edge genomic and immunological tools and mouse models

Requirements

- Ph.D. or MD/PhD in immunology
- Previous experience in murine work and in vivo experiments using mouse models
- Experience with tumor models, brain tumor models, leukemia models is desirable

Publications to review:

1. Upadhye A, Meza Landeros KE, Ramírez-Suástegui C, Schmiedel BJ, Woo E, Chee SJ, Malicki D, Coufal NG,

Gonda D, Levy ML, Greenbaum JA, Seumois G, Crawford J, Roberts WD, Schoenberger SP, Cheroutre H, Ottensmeier CH, Vijayanand P, Ganesan AP. Intra-tumoral T cells in pediatric brain tumors display clonal expansion and effector properties. Nat Cancer. 2024. Epub 2024/01/17. doi: 10.1038/s43018-023-00706-9. PubMed PMID: 38228835.

2. Clarke J, Panwar B, Madrigal A, Singh D, Gujar R, Wood O, Chee SJ, Eschweiler S, King EV, Awad AS, Hanley CJ, McCann KJ, Bhattacharyya S, Woo E, Alzetani A, Seumois G, Thomas GJ, Ganesan AP, Friedmann PS, Sanchez-Elsner T, Ay F, Ottensmeier CH, Vijayanand P. Single-cell transcriptomic analysis of tissue-resident memory T cells in human lung cancer. J Exp Med. 2019 Sep 2;216(9):2128- 2149. doi: 10.1084/jem.20190249. Epub 2019 Jun 21.

3. Ganesan AP, Clarke J, Wood O, Garrido-Martin EM, Chee SJ, Mellows T, Samaniego-Castruita D, Singh D, Seumois G, Alzetani A, Woo E, Friedmann PS, King EV, Thomas GJ, Sanchez-Elsner T, Vijayanand P, Ottensmeier CH. Tissue-resident memory features are linked to the magnitude of cytotoxic T cell responses in human lung cancer. Nature Immunology. 2017 Jun 19. doi:10.1038/ni.3775

4. Eschweiler, S., Clarke, J., Ramirez-Suastegui, C., Panwar, B., Madrigal, A., Chee, S. J., Karydis, I., Woo, E., Alzetani, A., Elsheikh, S., Hanley, C. J., Thomas, G. J., Friedmann, P. S., Sanchez-Elsner, T., Ay, F., Ottensmeier, C. H. & Vijayanand, P. Intratumoral follicular regulatory T cells curtail anti-PD-1 treatment efficacy. Nat Immunol 22, 1052-1063, doi:10.1038/s41590-021-00958-6 (2021).

5. Eschweiler S, Ramírez-Suástegui C, Li Y, King E, Chudley L, Thomas J, Wood O, von Witzleben A, Jeffrey D, McCann K, Simon H, Mondal M, Wang A, Dicker M, Lopez-Guadamillas E, Chou TF, Dobbs NA, Essame L, Acton G, Kelly F, Halbert G, Sacco JJ, Schache AG, Shaw R, McCaul JA, Paterson C, Davies JH, Brennan PA, Singh RP, Loadman PM, Wilson W, Hackshaw A, Seumois G, Okkenhaug K, Thomas GJ, Jones TM, Ay F, Friberg G, Kronenberg M, Vanhaesebroeck B, Vijayanand P, Ottensmeier CH. Intermittent PI3K δ inhibition sustains anti-tumour immunity and curbs irAEs. Nature. 2022 May;605(7911):741-746. PMID: 35508656; PMCID: PMC913277. How to apply:

Interested applicants should submit a CV, a statement of research interests and contact information of 2-3 references to aganesan@health.ucsd.edu. The candidate's work location will be LJI and employment will be through UC San Diego. Here is the link to information and terms of service for postdoc appointments at UCSD: <https://postdoc.ucsd.edu/postdocs/index.html>

About LJI & UC San Diego:

The LJI and UCSD contribute to the excellent scientific environment on the San Diego "mesa" which also comprises the Scripps Research Institute, the Sanford Consortium, the Sanford-Burnham and the Salk Institute. LJI has been ranked as one of the best places to work in San Diego by the San Diego Business Journal. The Institute hosts 24 world-renowned faculty and over 100 postdoctoral researchers hailing from 21+ different countries. LJI is located in the Science Research Park on the campus

of UC San Diego, with easy access to the San Diego life sciences community and all that the area has to offer. In addition to your research training at LJI, UCSD Office of Postdoctoral and Research Scholar Affairs offers professional development and career training opportunities to ensure you achieve the highest level of academic and research excellence. We invite you to visit the website <https://postdoc.ucsd.edu/about/index.html> to learn more about their programs.

LJI and UCSD provide Equal Employment Opportunity (EEO) to all employees and applicants regardless of race, national origin, religion, sex, marital status, age, mental or physical disability, medical condition, veteran status, sexual orientation, or pregnancy. This applies to all personnel practices, including recruitment, hiring, training, promotion, compensation, benefits, transfers, educational assistance, and social and recreational programs.

Food Trucks & Families: COE Event

See attached

What: Food Trucks & Families Event | Graduate Engineering

Food Options Include: Food Trucks & Catering!

- City BBQ:
 - Choice of brisket (beef), pulled pork, or pulled chicken barbecue sandwich
 - Sides of mac & cheese and green beans
 - Cookie
- V's Delicacies:

- Build-your-own-burrito bar (Chicken or Beef or Stuffed Red & Yellow Pepper) on flour tortillas
- Rice, beans, scallions, jalapeños, sour cream, olives, roasted corn salad with peppers
- Igloo Frozen Custard:
 - Flavored soft drinks, Root Beer floats
 - Dishes of frozen custard (Vanilla, Mint Chip, Lemon Blueberry, and Cookie Monster)
 - Pineapple Dole Whip
 - Toppings (Oreo, M&Ms, Gummy Worms, Sprinkles, Pecans, and Peanuts)

When: Friday, June 21, 2024

Time: 11:00am – 2:00pm

Location: Purdue Memorial Mall

Activities for Everyone: Yard games, balloon artists, bubble station, face painting, and more!

Cost: FREE!

Other: [Please RSVP](#) using the survey link by Friday, June 7th.

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.

May 22 nd	Hitchhiker's Guide to the Biomolecular Galaxy pre-symposium events (Info Here)
May 22 nd	Success over Stress (GSPD)
May 23 rd	NSF Fellowship Help Session (GSPD)
May 23 rd & 24 th	Hitchhiker's Guide to the Biomolecular Galaxy Symposium (Info Here)
June 4 th	Publishing a Scientific Paper (GSPD)
June 7 th	RSVP for Food Trucks & Families Event (RSVP Here)
June 11 th	Citation Management with Zotero (GSPD)
June 13 th	Business Meal Etiquette (GSPD)
June 14 th	NSF Fellowship Help Session (GSPD)
June 17 th	NSF Personal Statement Writing Workshop (GSPD)
June 18 th	Fellowship Office Hour for Grad Students and Postdocs (GSPD)
June 19 th	Research with Scite.ai (GSPD)
June 20 th	RCR: Discipline-Specific Training (GSPD)
June 21 st	Food Trucks & Families Event @ Memorial Mall 11 am – 2 pm
June 21 st	NSF Fellowship Help Session (GSPD)
June 24 th	Conference Paper Writing and Presenting: Strategies for Success (GSPD)
July 16 th	Citation Management with Zotero (GSPD)
July 17 th	Business Meal Etiquette (GSPD)
July 19 th	RCR: Discipline-Specific Training (GSPD)
September 16 th	Team Application Deadline for AES Energy Innovation Challenge (AES)

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.