



As you may know, our Life Sciences Community at Purdue is continuing our initiative to grow through recruitment of excellent faculty. To that end, please familiarize yourself with a number of the searches currently open and feel free to send nomination/suggestions for each our way (lifesciences@purdue.edu) by December 4th.

- [Senior Faculty Positions in the Life Sciences](#) - All Colleges
- [MCMP Multiple Faculty Positions - College of Pharmacy](#)
- [Director, Center for Paralysis - College of Veterinary Medicine](#)
- [Neuroengineering and Circuit Neuroscience - College of Engineering](#)
- [Smart Health Engineering - College of Engineering](#)
- [Digital Agriculture - College of Agriculture](#)

Life Science Faculty in the News:

- [Dr. Jackie Linnes and Tamara Kinzer-Ursem fight cholera with a smartphone](#)
- [Dr. Jackie Linnes is engineering solutions to the heroin epidemic](#)
- [Dr. Paul Robinson receives grant as he seeks to repurpose blu-ray technology to diagnose early stage cancer](#)
- [Dr. Bumsoo Han findings probe cell cooperation, 'en masse' migration](#)
- [Dr. Bumsoo Han's microfluidic device simulates cancer treatment as effectively as research animals](#)
- [Dr. Craig Goergen receives 'Grand Challenges Explorations' grant](#)

As a reminder, if you would like to receive news from all 6 Life Science Institutes (Drug Discovery, PI4D, PIIN, Purdue Center for Cancer Research, the Regenstrief Center for Healthcare Engineering, and the Purdue Institute for Plant Sciences) [please update your preferences here](#). Finally, we have developed a site that will be updated weekly (so bookmark it now) with the [funding opportunities segmented by area](#).

## PURDUE INSTITUTE FOR DRUG DISCOVERY

The Institute for Drug Discovery will be holding a half-day Town Hall on Thursday, November 30th for any faculty to brainstorm ideas for the creation of a strategic plan that will further enhance drug discovery efforts on campus and elevate the Institute to the next level. The goal is to provide a more collaborative platform that will increase engagement from all stakeholders. The event will be held at the [Beck Ag Center](#) from 8:00 a.m. to 1:00 p.m., lunch included. For a more detailed agenda and to register please visit: [PIDD Town Hall November 30, 2017](#)



Other news:

- [On Target Laboratories secures \\$40 million financing led by Johnson & Johnson Innovation - JJDC, Inc. \(JJDC\)](#)

## PURDUE INSTITUTE OF INFLAMMATION, IMMUNOLOGY AND INFECTIOUS DISEASE

We want to wish you and your families a Happy Thanksgiving. It is your hard work and your dedication to excellence in research, technical training, and education that helps us create this special place at Purdue University. We also want to remind you that PI4D is here to help you connect to collaborators and the resources you need to succeed in your research endeavors. Tommy Sors ([tsors@purdue.edu](mailto:tsors@purdue.edu)), Assistant Director, is here to help you navigate the broad infrastructure available to you and your groups. Please, reach out to him, especially if you are interested in using your technology to make new types of diagnostics. Thank you for your commitment to helping us make PI4D a true success.

### Upcoming Events:

PI4D will be hosting a booth at the [2017 Chemical and Biological Defense Science & Technology Conference](#) in Long Beach, CA, November 28-30. Dr. Michael Ladisch will be presenting at the conference on Thursday.

Visions to Values Imaging Analysis Workshop will take place on Thursday, November 30th. [Visions to Values](#)



PI4D has started a new seminar series event, The Purdue Lecture Hall Series, for local high school students to come hear current Purdue graduate students highlight their experiences and adventures in research, while also experiencing the university environment by meeting in different lecture halls throughout campus. We want to inspire the youth of today to consider life sciences as a career choice. PI4D Graduate Student Ambassador Diana Cores-Selva kicked off this event on November 2 to a group of junior and senior high school students from McCutcheon and Jefferson High Schools, including Joe Ruhl the biology teacher from Jefferson High School that was recently inducted into the National Teachers Hall of Fame. November 16th, Brenda Gonzalez was our speaker and discussed developing better ways of deciphering the structure of viruses. If you have a high school student at home, our next event will be Thursday, December 7th at 7:00 pm in CL50 224, this TED like talk will be by another PI4D Graduate Student Ambassador, Elizabeth Phillips.



The PI4D Distinguished Speaker for January has been set. [Dr. Anthony James](#), Donald Bren Professor Microbiology & Molecular Genetics School of Medicine; Donald Bren Professor, Molecular Biology and Biochemistry School of Biological Sciences of University of California, Irvine will be visiting campus on January 18, 2018. A seminar will be given along with faculty meetings scheduled, more information will be provided closer to the date.

### New Funding Opportunity:

The Indiana Center for AIDS Research (CFAR) is pleased to announce its new Junior Investigator Pilot Grants program. The purpose of this program is to support junior investigators embarking in an academic career in HIV/AIDS research. [CFAR Junior Investigator Pilot Grants Program](#)

Please contact us at [PI4D@purdue.edu](mailto:PI4D@purdue.edu) with any news items, or funding awards. We want to share and promote you and your accomplishments.

## PURDUE INSTITUTE FOR INTEGRATIVE NEUROSCIENCE

One of the goals of PIIN is to highlight and celebrate neuroscience related research happening at Purdue. This week we are pleased to offer congratulations to several research groups and PIIN members, please find the links to the stories below.

- [Funding Highlight](#): "Dr. Chubykin receives grant to study fragile X syndrome"
- [Research News](#): "Purdue startup advances simple blood, urine tests to detect, monitor a myriad of early-stage cancers"
- [Neuroscience Cell Engineering Core](#): Our newly established core is open for business

Finally, a friendly reminder that we prepare monthly reports for the President's office where we hope to highlight your achievements, awards, presentations, and research. If you have something exciting, please share it with us at [neuro@purdue.edu](mailto:neuro@purdue.edu).

#### Announcements:

- [Behavioral & Neural Systems of Learning & Memory course being offered Spring 2018](#)
- [Special Lectures in Neuroscience: Audition - from neural circuits to perception](#)
- [2017 IU/PU Joint Symposium on Spinal Cord & Brain Injury Research Symposium](#)
- [Dr. Annamarie Vezzani - Guest Speaker on Epilepsy](#)
- [Brain and Spinal Cord Injury Seminar Series](#)

#### Quick Links:

- [2018 Indiana Traumatic Spinal Cord and Brain Injury Research Conference](#)
- [The Michael J. Fox Foundation is accepting pre-proposals for Spring 2018 Parkinson's research funding](#)
- [Ohio Valley Regional Chapter Annual Meeting on Friday, December 1, 2017](#)
- [Women's Global Health Institute & Indiana Clinical and Translational Sciences Institute](#)
- [Indiana Traumatic Spinal Cord & Brain Injury Research Grant Program](#)

## PURDUE UNIVERSITY CENTER FOR CANCER RESEARCH

Hello, PUCR members and friends, welcome to the second installment of our updated newsletter format! We will continue to provide information through this new format and you can always visit our [website](#) for information as well. Our goal is to provide our researchers with the resources they need to be successful in their work.

#### Other News:

- [Up Next in Cancer Center Seminar Series](#): Dr. Kerry Burnstein will be giving a talk titled "Targeting Androgen Receptor Functional Dependencies in Prostate Cancer" at 11:30 am, Thursday, December 7th in the DRUG Lobby Conference Room.
- Internal Funding Reminder: [Challenge Award Proposals](#) are due December 20th, please arrange FASTR mapping appointments by November 17th. Please contact [Doug Cuttell](#) with questions.
- Recent news: [Finding probe cell cooperation, 'en masse' migration](#)

#### Other Events:

Dr. Nikolay V. Dokholyan ["Control of Cellular Networks by Structural Disorder"](#) November 29, 12:30 PM in BRWN 4102, Physical Chemistry Seminar

[2018 Spring Course: Understand Technology Commercialization Before You Start](#)

[Link to Calendars](#) for Seminar, Internal and External Funding Opportunities and Events

## REGENSTRIEF CENTER FOR HEALTHCARE ENGINEERING



The Regenstrief Center continues to grow its presence on campus. On November 8th, we were fortunate enough to host Dr. Chiam, Associate Director of Research Informatics at the Value Institute in Christiana Care Health System. As one of the largest healthcare systems in the United States, Christiana Care Health System provides healthcare to over half of Delaware population as well as surrounding markets in neighboring states. Due to the recent paradigm shift in delivery and reimbursement of healthcare, the Value Institute, which is a multi-disciplinary research institute within Christiana Care was developed to study and construct healthcare delivery models that are aligned with Institute for Healthcare Improvement's Triple Aim of improving Population Health, Experience of Care and controlling Per Capita Cost. In this talk, Dr. Chiam discussed an overview of Christiana Care Health System, the Value Institute, Christiana Care current efforts in healthcare delivery, including examples of both externally and internally-funded research and implementation projects, challenges as well as areas of healthcare research that are relevant to Christiana Care. This goal of this exchange is to explore opportunities for research collaboration between Christiana Care and Purdue University. If you would like to view the presentation, you can do so [here](#).

### Other News:

- [RCHE Researchers awarded Grant Challenge Grant for Project to Help Expecting Mothers](#)
- [Institute for Safe Medication Practices Announces 20th Annual Cheers Awards Recipients](#)

Finally, as mentioned in the leading section of the newsletter, RCHE is looking to recruit a number of faculty focused on providing better health through engineering. Please be sure to familiarize yourself with this search, and help us build an even better community.

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