

**Request for Applications**  
**Drug Investigational Screening and Chemigenomics Facility Projects**  
**Announcement Date: Friday, March 2<sup>nd</sup>**  
**Proposal Deadline: Friday, April 27<sup>th</sup>**

To increase the Purdue drug discovery pipeline, the Purdue Institute for Drug Discovery is allocating funds to support highly meritorious projects to use the Chemical Genomics Facility (<http://www.purdue.edu/discoverypark/drug-discovery/facilities/cgf/index.php>) for high-throughput/high content screening of Purdue's compound collections. These projects should focus on the identification of hits that may have the potential to lead to further drug development.

Applications should be sent to Karson Putt ([puttk@purdue.edu](mailto:puttk@purdue.edu)) and must be received by 5:00 pm on Friday, April 27<sup>th</sup>.

**General Guidelines:**

1. **Qualification** – Applicants must currently be or become members of the Institute for Drug Discovery.
2. **One Application** – While multiple projects could be submitted by a PI, only one application from each lab/PI will be funded
3. **Proposal Length** – Proposal should be single-spaced and a maximum of two pages in length (Calibri or similar font at 11pt) with no less than 0.5 inch page margins.
4. **Timeline** – Facility credit must be used before the end of the 2019 fiscal year (June 30<sup>th</sup>, 2019).
5. **File format** – Only .doc, .docx, or .pdf files will be accepted. Any figures should be embedded in the document and must fit within the maximum page limit.
6. **Progress Report and Future Reporting** – PI may be asked to present their work at the next annual Drug Discovery symposium following the award year. Additionally, any funding and/or publications that are generated from this activity must be reported to the Institute (Karson Putt, [puttk@purdue.edu](mailto:puttk@purdue.edu)).

**Award:**

Up to a \$15,000 credit will be made available at the chemical genomics facility for up to one year. This credit can be utilized for the usage of facility equipment, screening supplies (microtiter plates, tips, etc.), access to libraries, assay support by facility personnel, and screening campaigns.

Applicants are encouraged to contact Dr. Lan Chen ([lanchen@purdue.edu](mailto:lanchen@purdue.edu)) / 765-496-6668 to discuss technical aspects and feasibility of potential projects.

Awards will be announced prior to Friday, June 15<sup>th</sup>, 2018.

**Application Format:**

The following information must be included within the maximum page limit

1. Description of the project including background/significance, project aims, current stage of project (e.g. target identified/no assay, assay developed/needs miniaturization, HTS assay developed/needs screening, initial screening performed/expanded library screening needed), preliminary results (if any), study design, and expected outcomes
2. Overview of likely high throughput assay to be employed
3. A statement explaining the relevance of the project to the discovery or development of a diagnostic or therapeutic for a human disease
4. A statement of future plans for developing screening hits into a drug lead

Additional information that must be included (not within maximum page limit)

1. References
2. NIH Biosketch

**Review Criteria:**

1. The primary review criteria will be the impact of this project on the identification of hit molecules with the potential to become new therapeutics that could one day enter the Purdue pipeline.
2. Feasibility of completing the proposed studies in the allotted time (1 year)
3. Appropriateness of budget requested
4. Potential for subsequent peer reviewed funding and publication

Publications resulting from Drug Discovery support should be acknowledged as follows:

“The authors gratefully acknowledge support from the Purdue University Institute for Drug Discovery”