

## **Penn Genome Frontiers Institute**

### **INTERDISCIPLINARY COLLABORATION PHASED SEED GRANTS**

The Penn Genome Frontiers Institute (PGFI) is pleased to announce seed grant commitment to the development of interdisciplinary research in Genome Sciences. The seed grant program will support interdisciplinary teams in two phases with the goal of facilitating the development of the field of genomics at PENN. Grants will not be given to support extensions of ongoing research programs.

Emphasis will be placed upon novel development in the following areas:

- Complex system genomics
- System-level computational modeling and analysis
- Single-cell and live cell genomics
- Sensing technology and high-throughput technology development
- Application of genomic science to translational research

In particular, the PGFI seed grants emphasize support for large-scale interdisciplinary groups rather than research at the level of a small number of PIs. We especially encourage submissions with broad thematic programs. For example:

- Epilepsy research combining engineering intervention, model organisms, neuro-anatomy and molecular physiology, and genetics.
- Organismal development research combining cell biology, genetics, biomechanics, mathematical modeling, and evolution.
- Cell biology research combining novel optical imaging, microfluidics, genetics, biomaterials, and mathematical modeling.

The above list is only to provide examples and is not a listing of areas of emphasis.

#### **Phase I: Planning Group Support**

**Goal:** The goal of the Phase I grants is to facilitate the team's planning activities for the Phase II grant. Activities may include periodic meetings, feasibility studies, travel to recruit external experts, etc. **At the end of the six-month period the team will be expected to submit a Phase II proposal as described below.**

**Eligibility:** The PI must be a full time PENN faculty member in any track. Each team must include members from at least two schools.

**Deadline:** 14 march 2008

**Funds available:** \$20,000 for six months

**Application format:**

1. PGFI Seed Grant Proposal Submission Form (available online at <http://www.genomics.upenn.edu/> )
2. NIH Biosketch: An NIH format biosketch must be submitted for the PI and Co-PIs.
3. Research Proposal (One Page Limit)
  - a. Main concept
  - b. Rational and genomics significance of the project
  - c. Work plan (e.g., meeting schedule, travel schedule, etc.) for how the team will interact to produce Phase II proposal.

Awards will be announced by 1 April 2008

**Submission:** Send completed applications in PDF format to Christina Wills at [cwills@genomics.upenn.edu](mailto:cwills@genomics.upenn.edu).

**Please note that any publications that are the direct result of this funding should mention:** This work was supported in part by the Penn Genome Frontiers Institute and a grant with the Pennsylvania Department of Health. The Department of Health specifically disclaims responsibility for any analyses, interpretations, or conclusions.

**Copies of publications should be sent to:**

**Christina Wills**  
**328 Lynch Laboratories/6018**  
[cwills@genomics.upenn.edu](mailto:cwills@genomics.upenn.edu)  
**215-746-4490**

**Phase II: Pilot Data and Grant Preparation Support**

**Goals:** The goal of the Phase II awards is to assist the team in pilot data collection and preparation for the submission of grants. The funds may be used for up to a two-year period. The data generated during this award period is envisioned to form the preliminary data for submission of collaborative grants to external agencies. The final report for this grant will be expected to include a copy of the grant submitted to an external funding agency. The Phase II funding provides up to \$250,000 total for a two year project period.

**Deadline:** To Be Announced in Summer 2008