

**IIGB Forum  
December 13, 2007: 2:00pm  
Bourns A265**

**–AGENDA/MINUTES–**

**I. IIGB Interdisciplinary Research Awards**

**Purpose:** To foster interdisciplinary collaborations within the Institute and develop promising technologies

**Criteria:**

- the quality of the science
- the multi- and inter-disciplinary nature of the proposed work
- the combination of basic and translational science
- the possibility of translating the innovation to an application within a reasonable timeframe

**Request for Proposals:** March 21, 2007

**Due Date for Submission:** July 2, 2007

**Internal Review Panel Meeting:** September 17, 2007 (reviews by Internal and External Reviewers)

**Project Period:** 11/1/07 – 10/31/08

**Award Amount:** \$50K for each Project

**Recipients:**

1. **PIs:** Wenwan Zhong (Assistant Professor, Chemistry) and Hailing Jin (Assistant Professor, Plant Pathology)  
**Title of Project:** High-throughput Screening of siRNA Expression Using Rolling Circle Amplification
2. **PIs:** Sean Cutler (Assistant Professor, Botany and Plant Science) and Michael Pirrung (Professor, Chemistry)  
**Title of Project:** Enlightening Chemical Genetics with Libraries of Fluorescently Tagged Small Molecules
3. **PIs:** Frances Sladek (Professor, Cell Biology) and Tao Jiang (Professor, Computer Science)  
**Title of Project:** Development of a High Throughput Assay for Transcription Factor Binding

**II. Scientific Advisory Board Meeting/Report**

**Established:** 2007

**Role:** Meet regularly and provide advice and scientific expertise to the IIGB Director

**2007-08 Assignment:** Evaluation of IIGB Core Suite of Instrumentation Facilities at Keen Hall

**2007-08 SAB Members:**

- Joseph R. Ecker – The Salk Institute [Genomics]
- David W. Ehrhardt – Carnegie Institution of Science, Stanford University [Microscopy]
- Joseph A. Loo – University of California, Los Angeles [Proteomics]
- José Luis Riechmann – California Institute of Technology [Bioinformatics]

**First Meeting:** November 2, 2007

**2007-08 Report Submitted:** November 7, 2007

**Report Access:** [http://genomics.ucr.edu/news/IIGB-SAB\\_Report\\_final.pdf](http://genomics.ucr.edu/news/IIGB-SAB_Report_final.pdf)

(please turn over)

### III. Recruitments/Hires:

Bioinformatics and Computational Biology (3 positions)

Scope: 93 Applicants, 9 interviewed

Status (1 HIRED; 1 IN NEGOTIATIONS):

**Angelina Chang**, UCSB Howard Hughes Medical Institute

Home Department: Chemistry

Start Date: 1/2/08

**Maxim Bazhenov**, The Salk Institute for Biological Studies

Negotiating with Cell Biology & Neuroscience [Update: Hired]

Readvertised for 3<sup>rd</sup> Position: 10/30/07

Review of Applications: 1/1/08

Scope as of 12/10/07: 31 Applications

IIGB Genomics Core Specialist

OFFERED: **David Fang**, DNA Analysis Laboratory Manager

Monsanto Company, MS [Update: Hired with start date of 2/18/08]

Bioinformatics Programmer/Analyst III (.50 FTE for 1 yr):

HIRED: **Junmei Liu**, MS and PhD in Applied Statistics (2007), UCR

Start Date: 12/5/07

### IV. Upcoming Events

**January 18, 2008, 2-4pm: CEPCEB Award Ceremony**

Noel Keen Special Lecturer: Gloria Coruzzi, a Carroll and Milton Petrie  
Professor and Chair of the Department of Biology at New York University

**February 22-23, 2008 in Riverside, CA:** Center for Biological Sciences and  
Biotechnology (Developing IIGB Center)

**Description:**

Cooperative effort between UCR and the China Agricultural University (CAU),  
located in Beijing.

**Goal:**

Encourage participation of CAU faculty from broad agro-biotechnology disciplines  
with a focus on those areas that are strongly represented at UCR in order to  
facilitate future collaborations in such areas as gene silencing, plant biology, fungal  
biology (oomycetes & neuropora), insect immunity and virology.

**Director:** Jian-Kang Zhu

**First Meeting:** 10 Principal Investigators each from UCR and CAU to present

### V. Next Generation Sequencing (and Discussion):

**Education:** Seminars by Illumina, Roche and ABI were hosted by IIGB during the Fall.

**SAB recommendations:** Upon review, the SAB recommended that we add next  
generation sequencing to our core capabilities in addition to Bioinformatics support.

The relative strengths/weaknesses of the instruments will be summarized.

Results of IIGB survey (12 respondents) indicate broad applications by potential users.

**Result of Discussion:** Letter to be sent with IIGB faculty signatures to Chancellor, EVC,  
and CNAS Dean requesting purchase of one sequencer and 1-2 FTE  
bioinformaticians/programmers.

### VI. Next Forum Date: June 2008