

UNIVERSITY OF ILLINOIS
AT URBANA - CHAMPAIGN

GP.11.03
February 28, 2011

Office of the Provost and Vice Chancellor
for Academic Affairs

Swanlund Administration Building
601 East John Street
Champaign, IL 61820



January 10, 2011

Mary Mallory, Chair
Senate Committee on General University Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Mallory:

Enclosed is a copy of a proposal to formally establish the Institute for Genomic Biology as a research unit. It now requires Senate review.

The Institute was established by the Illinois Board of Higher Education in 2004 as a unit of research with temporary status. Temporary status is intended to allow units an opportunity to define the mission, build faculty participation and establish funding streams before establishing a permanent unit on campus.

Please note: this proposal was prepared using the required IBHE template. If you have any questions about the proposal, please contact me directly and I will coordinate a response with the IGB staff.

Sincerely,

A handwritten signature in cursive script that reads "Kristi A. Kuntz".

Kristi A. Kuntz
Assistant Provost

KAK/nh

Enclosures

c: H. Lewin
C. Livingstone
J. Quirk

Administrative, Research, or Public Service Unit Application

Note: Use this form to request new academic teaching units, centers, or institutes.

BACKGROUND

- a) **Name of Institution:** University of Illinois at Urbana-Champaign
- b) **Title of Proposed Unit:** Institute for Genomic Biology
- c) **Contact Person:** Dr. Charles Evans

Telephone: (217) 333-3079

E-mail: cevans4@uillinois.edu

Fax: (217) 244-5763

University of Illinois at Urbana-Champaign Contact Person:

Name: Jennifer Quirk, Associate Director

Telephone: 217-244-8378

E-mail: quirk@uillinois.edu

- d) **Requested CIP Code (6-digits)** 90.2608 *(to be assigned by the Office of the Provost)*
- e) **Proposed Date of Implementation:** Fall 2011
- f) **Location Offered:** **On-Campus** **Off-Campus** : Region Number(s) _____ *(work with the Office of the Provost to determine region number)*

1. Unit Objectives and Contributions

The mission of the Institute for Genomic Biology (IGB) is to advance life science research at the University of Illinois at Urbana-Champaign and to stimulate economic development in the state of Illinois. The near-term strategic objective is to promote the development of nine innovative research themes selected for inclusion in the IGB which capitalize on the recent advances in genome science and technology.

2. Need

Explain how the unit will meet regional and state needs and priorities. What is the demand for the unit's services? What clients or population will the unit serve?

The research in the IGB addresses a spectrum of significant human and societal issues, such as genes and human behavior, global climatic change, antibiotic resistance, women's health, regenerative medicine and renewable energy. The IGB functions as an engine for economic development by fostering thematic research with clear potential for practical outcomes.

3. Organization

Describe the proposed unit's organizational structure. Explain how the unit is organized to meet its stated objectives.

An administrative staff including a Business Office, IT group and Facilities and Operations group report directly to the Associate Director, who reports to the Director. The staff supports faculty, students and other research staff conducting research in the building and oversees the operation of the building infrastructure. There are nine research themes in the IGB. Each theme has a faculty leader which oversees the activities of the research theme. The theme leaders and Deputy Director of the EBI report to the Director and meet with him on a monthly basis as the Executive Committee. The Director chairs this group and all critical decisions regarding the institute are by made by the Director in consultation with this group. The Energy Biosciences Institute (EBI) which is funded by BP is also part of the IGB.

4. Unit Outcomes

What targets have been set to assess the proposed unit's success in achieving objectives? Among others, specific performance measures might include: expected research and/or public service products; ratio of external to internal funding for unit; impact of this unit on national, state, regional, and local area organizations, businesses, or communities; and collaborative research product that promotes the Illinois economy.

The IGB has established several key metrics to judge its success in meeting unit objectives. Key metrics that are monitored include: 1) Amount of external research funding obtained by IGB faculty; 2) Number of major external awards received by IGB faculty; 3) Number of invention disclosure submitted by IGB faculty ; 4) Number of patent applications filed and awarded that list IGB faculty as inventors; and, 5) Number of start-up companies initiated by IGB faculty members.

5. Quality Assurance Processes

Briefly describe the processes that will yield evidence to demonstrate the quality of the unit.

Address the following elements: evidence that the unit supports the university's mission and statewide goals; evidence that the unit's product or outcomes achieve stated objectives; determination of organizational effectiveness; faculty and staff qualifications and reward structures; determination of adequate support staff, equipment, and other resources; and use of results from evaluations to improve the unit's effectiveness.

The IGB uses an external scientific review committee to conduct reviews of each Research Theme every five years to determine if the theme is meeting the stated mission and goals of the IGB. Results of these reviews are used to determine whether the theme should be expanded, downsized or eliminated. In addition, an External Advisory Committee, comprised of high level members of academia, industry and the government are appointed, to conduct a bi-annual review of the entire institute to determine if the institute as a whole is meeting its stated mission and goals. These reviews also include a review of the IGB administration.

6. Resources

Indicate the number of students, businesses, industries, and/or other clients to be served by this unit. Include a description of faculty participation and student involvement in the unit if applicable. Provide a narrative budget statement to explain the data in the attached Budget Table.

The IGB currently has 76 faculty members occupying space in the building. There are an additional 82 faculty members affiliated with the institute who do not have space in the building. There are also more than 300 graduate students and 200 undergraduates conducting research in the IGB.

7. Cost and Expenditure Estimates

The purpose of this budget narrative and the attached spreadsheet is to provide a forecast of the basic operating budget for the Institute for Genomic Biology going forward for the next four fiscal years beginning with FY11. As indicated in the instructions, no inflation factor was estimated in this data. The components of the operating budget for the Institute for Genomic Biology are listed below:

Administrative State Budget Funding - From its inception, the budget model for the Institute for Genomic Biology was based upon the budget model for the Beckman Institute, which has a recurring state administrative budget of approximately \$ 3M. Based upon the Beckman model, the campus has appropriated a similar recurring state administrative budget to the IGB. Currently, the Institute for Genomic Biology has a recurring state budget allocation of \$ 3,091,885 to cover the administrative costs of the Business Office, Operations and Facilities, IT support, Core Facilities, Communications, Development, and Clerical support. Of the \$ 3,091,885 total, \$ 741,595 is allocated to cover the cost of facilities for the Institute; \$ 393,783 for facilities related salaries, and \$ 347,812 for the non-salary cost of facilities.

No additional recurring state appropriations are being requested for the administrative support of the IGB.

Other Recurring State Funding - Although not a part of the recurring state administrative budget, the IGB does manage other recurring state funds which are allocated from campus. The IGB Director's salary is a separate allocation from campus, and is not included as a part of the IGB recurring state administrative budget. In addition, the IGB manages \$ 130,666 of recurring state funding which has been specifically earmarked to cover the salaries of dual career hires who are employed to support various research initiatives at the Institute for Genomic Biology.

As a part of the campus sponsored IGB faculty hiring initiative, the Institute for Genomic Biology also manages some recurring state funding which has been allocated to attract and hire new faculty members who have backgrounds in genomic biology. The IGB in conjunction with other academic units on campus has participated in numerous searches to attract these outstanding faculty candidates to campus. After the faculty member is hired, he/she is then appointed on a permanent budget line in their home department with all or part of the faculty member's appointment being funded by these recurring state funds that are transferred to the home department from the IGB. In addition, a major portion of the start-up packages for the new faculty hires is funded by the remaining annual balance of these recurring state funds. The program has resulted in the hiring of twenty-two faculty members in various departments across the Urbana campus.

A portion of these recurring state faculty funds will be used to offset the 10.3% budget rescission slated for FY11, with the remaining portion of the budget rescission being taken from recurring ICR funds.

Indirect Cost Funding - It is projected in FY11 that total ICR earnings from sponsored research awards managed by the Institute for Genomic Biology will be approximately \$ 5.6M. Of the \$ 5.6M total projected ICR for FY11, the 30% earnings projected to be returned to the IGB will be approximately \$ 1.7M.

Of the estimated \$ 1.7M ICR earnings to be returned to the IGB in FY11, it is projected that approximately \$ 500,000 will be distributed between the College of Aces, College of Liberal Arts and Sciences, and the College of Engineering as a part of the ICR sharing agreement for the Energy Biosciences Institute, which is managed by the Institute for Genomic Biology. As a result of the ICR sharing agreement, the IGB plans to use the ICR earnings balance of approximately \$ 1.2M to cover such costs as equipment purchases and repairs, grant match initiatives, faculty retention packages, Director's initiatives, the IGB Fellows program, possible mid-year rescissions, and research support for the nine research themes sponsored by the IGB.

"Estimated Expenditures" tab to be completed ONLY if requesting new funds directly from the State.

Public Degree Program In-Region Application

Sources of Funds and Estimated Costs for the Institute for Genomic Biology Illinois Higher Education						
	Year of Operation				FY14 4th Year	
	FY11 1st Year	FY12 2nd Year	FY13 3rd Year	FY14 4th Year		
Sources of Funds						
Total Recurring State Funds	3,613,946	3,613,946	3,613,946	3,613,946	3,613,946	
Total ICR Funding	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	
New State Appropriation Requests*	0	0	0	0	0	
Total Projected Funding Sources	4,813,946	4,813,946	4,813,946	4,813,946	4,813,946	
Projected Expenditures						
Personnel						
Faculty Count	0	0	0	0	0	
from Recurring Admin Budget	1,704,624	1,704,624	1,704,624	1,704,624	1,704,624	
from Recurring Admin Budget	393,783	393,783	393,783	393,783	393,783	
Other Salaries	2,098,407	2,098,407	2,098,407	2,098,407	2,098,407	
Total IGB Administrative Personnel	764,611	764,611	764,611	764,611	764,611	
Total Other Salaries	2,863,018	2,863,018	2,863,018	2,863,018	2,863,018	
Total IGB Personnel Expenditures						
Non-Personnel						
from Recurring Admin Budget	645,666	645,666	645,666	645,666	645,666	
from Recurring Admin Budget	347,812	347,812	347,812	347,812	347,812	
Total IGB Administrative Non-Personnel	993,478	993,478	993,478	993,478	993,478	
Total Other Non-Personnel	956,427	956,427	956,427	956,427	956,427	
Total Non-Personnel Expenditures	1,949,905	1,949,905	1,949,905	1,949,905	1,949,905	
Total Projected Personnel and Non-Personnel Expenditures	4,812,923	4,812,923	4,812,923	4,812,923	4,812,923	

*No new state appropriations are being requested by the Institute for Genomic Biology.

Note: As per instructions, no inflationary factor was estimated.

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February 28, 2011

Amendment to GP.11.03

Add the following paragraph in sentences to the existing text in item 3
“Organization:”

“IGB will not serve as a “tenure home” as defined in the University Statutes Article VIII, Section 1, paragraph b. All of the faculty associated with the Institute for Genomic Biology hold tenure-track or tenured appointments in other existing academic units. If at any future time it should become desirable for IGB to function as a “tenure home,” then the procedures outline in Article VIII, Section 3 (“Formation of New Units”) will be followed.”

William Maher
LIBR 01-5