

RUTGERS UNIVERSITY
ACADEMIC EXCELLENCE FUND AWARDS 2006-2007

**On March 6, 2007, a new version was posted which includes
an award for George Stauffer.**

New Brunswick Awards

**Expanding Pharmacological Screening Capabilities of the Global Institute
for Bioexploration (GIBEX) \$65,000**

(Ilya Raskin, Gerben Zylstra, Jim White Biotech Center)

This proposal seeks funding for further development of Screens-to-Nature (STN) screening technology for the most important tropical diseases and its transfer to the developing countries, which are members of The Global Institute for BioExploration (GIBEX)

Rutgers Center for Innovation Studies \$50,000

(Clinton J. Andrews, Carl E. Pray, David Finegold – Bloustein School)

This is a proposal to create a multi-school, multidisciplinary center to advance the study of innovation.

**High Resolution Visualization Platform for Cell-Nanomaterial Interactions:
Center for Science and Engineering in Nanomedicine \$40,000**

*(Prabhas V. Moghe, Charles M. Roth, Kathryn E. Uhrich – Biomedical Engineering;
Chemical & Biochemical Engineering)*

This project seeks funding for acquisition of imaging equipment to enable study of cellular bionanotechnology, which would strengthen the emergence of a new inter-decanal Center on Science and Engineering in Nanomedicine and further enhance the competitiveness of federally funded research at Rutgers in the areas of nanobioengineering and nanomedicine.

The Pervasive Dynamic Cyber-physical Ecosystem \$140,000*

*(Dimitris Metaxas, Scott Glenn, Manish Parashar, Oscar Shoefield – Biomedical
Engineering and Computer Sciences)*

The Pervasive Dynamic Cyber-physical Ecosystem

***Requested new collaborative project description between IMCS, CAIP and
CBIM**

Development of a Professional practice Doctorate in Education \$34,000

(Richard De Lisi – GSE Educational Psychology)

GSE seeks support for a project designed to substantially revise graduate professional education at the doctoral level leading to the development of Ed.D. programs that are both regionally and nationally prominent.

Nano-Interfacial Science and Engineering (NISE) program \$60,000

*(Yves Chabal, Eric Garfunkel, Prabhas Moghe, Kathryn Uhrich, Martin Yarmush –
Biomedical Engineering and Chemistry)*

This NISE project will provide unique synthesis/characterization facilities and a

coordinated educational program to fabricate and study advanced nanostructures by controlling their interfaces.

Graduate Student Support for the Program in Computational Biology and Molecular Biophysics **\$85,000**

(Ronald Levy, Wilma Olson, Andrei Ruckenstein, Paul Ehrlich – FAS-BioMAPS)

First-year graduate students will be supported so that a successful graduate program can continue while regularization of University support is arranged and additional external support for advanced graduate students is obtained.

Establishing the Rutgers University Energy Institute **\$250,000**

(Paul Falkowski – IMCS)

Integrating the scientific, engineering, economic and policy resources across all academic units to develop one of the nation's best teams to work on developing renewable, alternative energy sources.

Mobile Knowledge **\$125,000**

(Michael Lesk, Chris Rose, Kaan Ozbay – SCILS)

Reduce transportation demand by giving people dynamic, en-route information.

Global Wetland Distribution and Climate Change: A Seed Project **\$51,000**

(Ying Fan Reinfelder – Center for Env. Science)

This seed project will demonstrate the feasibility of global wetland reconstruction using a hydrologic modeling approach, and if successful, will lead to an NSF-funded, long-term and multidisciplinary research in Earth system studies at Rutgers.

A leadership program at Rutgers University for women in the science, technology, engineering and mathematics (STEM) professions **\$50,000**

(Joan W. Bennett, Eileen Appelbaum, Teresa M. Boyer, Nancy DiTomaso, David Finegold, Mary S. Hartman – Science, Engineering and Math)

This proposal seeks to develop and deliver a structured leadership training program for women in the STEM professions modeled after the Rutgers Senior Leadership Development Program for Professional Women, an acclaimed program of Rutgers Institute for Women's Leadership and Center for Women.

Start-up Funding for a Pre-College/Extension Division, Mason Gross School **\$60,000**

(George B. Stauffer – Mason Gross)

Request for financial support to establish a profit-making division of MGSA.

Newark Awards

Ultrafast Imaging and Spectroscopy at the Rutgers-Newark Life Sciences Center **\$ 50,000**

(Piotr Piotrowiak, Huixin He, Elena Galoppini, Frieder Jaekle, Frank Jordan, Richard Mendelsohn), FAS-Newark

To establish a laser which will serve as the key component of a breakthrough ultra fast microscope system that is currently being constructed by the Rutgers-Newark team of researchers.

Enhancing Academic Community on Urban Research (Robinson-Cornwall Center) **\$ 25,000**

(Kelly Robinson, Mara Sidney, Jason Barr), FAS-Newark

To offer three related scholarly programs, hosted by the Cornwall Center of Metropolitan Studies, to foster an academic community on the Rutgers Newark campus in regard to urban research.

The Center for the Study of Genocide and Human Rights **\$ 50,000**

(Alex Hinton), FAS-Newark

To establish and initially operate a new institute, the Center for the Study of Genocide and Human Rights, which would be hosted by the Division of Global Affairs at Rutgers-Newark.

Advancing Functional Imaging at Rutgers **\$ 45,000**

(Bart Krekelberg, Natalie Sebanz, Mauricio Delgado), FAS-Newark

To develop the infrastructure for teaching and research in human brain imaging at Rutgers-Newark.

Business Ethics Center at Rutgers **\$ 50,000**

(Peter T. Gillett) RBS-Newark/NB

To establish a multidisciplinary signature program in ethics scholarship, education and professional training contributing to the practice and study of business ethics, impacting the Newark campus, the Newark community, the broader business and professional world, and public life in New Jersey.

Enhancing the Baccalaureate Academic Enhancement Program **\$ 20,000**

(Wendy Nehring) College of Nursing-Newark

To improve the College of Nursing Academic Enhancement Program for Undergraduates.

Production Equipment and Studios Initiative **\$ 20,000**

(Paul Sternberger, Ian Watson) FAS-Newark

The Production Equipment and Studios Initiative is a series of major improvements and additions to the Department of Visual and Performing Arts' equipment and studios, all aimed to impact directly Rutgers students and to help the Department build its collaborative relationships both within and beyond the campus community.

Joint Grants Administrator for RBS and SMLR **\$ 80,000**
(Rosa Oppenheim, David Finegold) RBS Newark, NB
To establish a shared position with the Rutgers School of Business and the School of Management and Labor Relations to coordinate and direct efforts to increase faculty research and external funding.

Camden Awards

Initiative Investment to Establish a Four Year Program at the School of Business Camden **\$70,000**
(Nathan Levinson – The School of Business – Camden)
The School of Business – Camden is embarking on a transition from a two year to a four year program and requires resources to initiate and sustain the changeover.

Exchange Program With Constitutional Court of South Africa **\$30,000**
(Janine Smith, Rutgers School of Law-Camden)
The International Judicial and Judicial Clerkship Development Program is a collaboration between the Constitutional Court of South Africa, the U.S. Federal District Court of New Jersey, and the Rutgers University School of Law at Camden to promote cooperation and understanding between countries with different governments and cultures.

Master of Fine Arts in Creative Writing at Rutgers-Camden **\$50,000**
(Tyler Hoffman, Lisa Zeidner, Camden – Faculty of Arts and Sciences)
This project intends to support the launch of the new MFA program via funding of faculty, visiting writers, recruitment efforts and materials, a literary magazine, and student aid.