

*Rutgers, The State University of New Jersey*

*Institutional Profile Report*

*Section E*

*Faculty Characteristics*

Full-Time Faculty by Race/Ethnicity, Gender, Tenure Status and Academic Rank, Fall 2011

| Race/Ethnicity     | Gender | TENURED   |                     |                     |            | Total |
|--------------------|--------|-----------|---------------------|---------------------|------------|-------|
|                    |        | Professor | Associate Professor | Assistant Professor | All Others |       |
| African American   | Male   | 18        | 12                  | 0                   | 0          | 30    |
|                    | Female | 9         | 23                  | 0                   | 0          | 32    |
| American Indian    | Male   | 0         | 1                   | 0                   | 0          | 1     |
|                    | Female | 0         | 3                   | 0                   | 0          | 3     |
| Asian *            | Male   | 96        | 49                  | 0                   | 0          | 145   |
|                    | Female | 14        | 28                  | 0                   | 0          | 42    |
| Latino             | Male   | 16        | 15                  | 0                   | 0          | 31    |
|                    | Female | 4         | 6                   | 0                   | 0          | 10    |
| White              | Male   | 617       | 252                 | 0                   | 0          | 869   |
|                    | Female | 201       | 218                 | 0                   | 0          | 419   |
| Non-Resident Alien | Male   | 7         | 15                  | 0                   | 0          | 22    |
|                    | Female | 4         | 11                  | 0                   | 0          | 15    |
| Unknown *          | Male   | 4         | 4                   | 0                   | 0          | 8     |
|                    | Female | 5         | 3                   | 0                   | 0          | 8     |
| Total              | Male   | 758       | 348                 | 0                   | 0          | 1,106 |
|                    | Female | 237       | 292                 | 0                   | 0          | 529   |

| Race/Ethnicity     | Gender | WITHOUT TENURE |                     |                     |            | Total |
|--------------------|--------|----------------|---------------------|---------------------|------------|-------|
|                    |        | Professor      | Associate Professor | Assistant Professor | All Others |       |
| African American   | Male   | 1              | 2                   | 8                   | 10         | 21    |
|                    | Female | 1              | 1                   | 15                  | 7          | 24    |
| American Indian    | Male   | 0              | 0                   | 1                   | 0          | 1     |
|                    | Female | 0              | 1                   | 3                   | 0          | 4     |
| Asian *            | Male   | 4              | 7                   | 42                  | 35         | 88    |
|                    | Female | 3              | 5                   | 33                  | 37         | 78    |
| Latino             | Male   | 1              | 0                   | 13                  | 8          | 22    |
|                    | Female | 1              | 2                   | 11                  | 6          | 20    |
| White              | Male   | 20             | 32                  | 120                 | 185        | 357   |
|                    | Female | 19             | 26                  | 134                 | 175        | 354   |
| Non-Resident Alien | Male   | 1              | 6                   | 65                  | 177        | 249   |
|                    | Female | 0              | 3                   | 33                  | 89         | 125   |
| Unknown *          | Male   | 6              | 10                  | 58                  | 90         | 164   |
|                    | Female | 6              | 12                  | 62                  | 98         | 178   |
| Total              | Male   | 33             | 57                  | 307                 | 505        | 902   |
|                    | Female | 30             | 50                  | 291                 | 412        | 783   |

| Race/Ethnicity     | Gender | TOTAL     |                     |                     |            | Total |
|--------------------|--------|-----------|---------------------|---------------------|------------|-------|
|                    |        | Professor | Associate Professor | Assistant Professor | All Others |       |
| African American   | Male   | 19        | 14                  | 8                   | 10         | 51    |
|                    | Female | 10        | 24                  | 15                  | 7          | 56    |
| American Indian    | Male   | 0         | 1                   | 1                   | 0          | 2     |
|                    | Female | 0         | 4                   | 3                   | 0          | 7     |
| Asian *            | Male   | 100       | 56                  | 42                  | 35         | 233   |
|                    | Female | 17        | 33                  | 33                  | 37         | 120   |
| Latino             | Male   | 17        | 15                  | 13                  | 8          | 53    |
|                    | Female | 5         | 8                   | 11                  | 6          | 30    |
| White              | Male   | 637       | 284                 | 120                 | 185        | 1,226 |
|                    | Female | 220       | 244                 | 134                 | 175        | 773   |
| Non-Resident Alien | Male   | 8         | 21                  | 65                  | 177        | 271   |
|                    | Female | 4         | 14                  | 33                  | 89         | 140   |
| Unknown *          | Male   | 10        | 14                  | 58                  | 90         | 172   |
|                    | Female | 11        | 15                  | 62                  | 98         | 186   |
| Total              | Male   | 791       | 405                 | 307                 | 505        | 2,008 |
|                    | Female | 267       | 342                 | 291                 | 412        | 1,312 |

**Percentage of Course Sections Taught  
By Full-Time and Part-Time Faculty  
Fall 2011**

| Total Number<br>of<br>Course Sections | Taught<br>by<br>Full-time Faculty |      | Taught<br>by<br>Part-time Faculty |      | Taught<br>by<br>Others |      |
|---------------------------------------|-----------------------------------|------|-----------------------------------|------|------------------------|------|
|                                       | N                                 | %    | N                                 | %    | N                      | %    |
| 7,855                                 | 4,551                             | 57.9 | 2,179                             | 27.7 | 1,125                  | 14.3 |

Note: Others includes Full-time Administrators and Teaching Assistants

**University Faculty  
Ratio of Full-time/Part-time Faculty  
Fall 2011**

| <b>FACULTY</b>    | <b>N</b> | <b>%</b> |
|-------------------|----------|----------|
| Full-time Faculty | 3,320    | 65.8     |
| Part-time Faculty | 1,727    | 34.2     |
| Total             | 5,047    | 100      |

## Members of the National Academies

**Election to membership in the National Academies is one of the highest honors a scientist can attain.** These four prestigious bodies—the National Academy of Sciences, the National Academy of Engineering, the Institute of Medicine, and the National Research Council—bring together the nation’s top experts to advise the federal government on critical issues.

Rutgers faculty who are currently members of the National Academies are:

### National Academy of Sciences

[Joan W. Bennett](#), Associate Vice President for the Promotion of Women in Science, Engineering, and Mathematics; Professor II, Department of Plant Biology and Pathology, School of Environmental and Biological Sciences  
Election Year: 2005

[William A. Berggren](#), Distinguished Visiting Professor, Department of Earth and Planetary Sciences, School of Arts and Sciences  
Election Year: 1989

[Haim Brezis](#), Distinguished Visiting Professor of Mathematics, Department of Mathematics, School of Arts and Sciences  
Election Year: 2003

[Felix Browder](#), University Professor of Mathematics, Department of Mathematics, School of Arts and Sciences  
Election Year: 1973

Morrel Cohen, Distinguished Scientist, Department of Physics and Astronomy, School of Arts and Sciences  
Election Year: 1978

[Allan Conney](#), Garbe Professor of Cancer and Leukemia Research, Department of Chemical Biology, Ernest Mario School of Pharmacy  
Election Year: 1982

[Hugo K. Dooner](#), Professor, Department of Plant Biology and Pathology, School of Environmental and Biological Sciences; Waksman Institute of Microbiology  
Election Year: 2007

[Paul G. Falkowski](#), Board of Governors Professor of Geological and Marine Science, Department of Earth and Planetary Sciences, School of Arts and Sciences; Institute of Marine and Coastal Sciences; Director, Rutgers Energy Institute  
Election Year: 2007

James Flanagan, Professor Emeritus, Department of Electrical and Computer Engineering, School of Engineering  
Election Year: 1983

Charles R. Gallistel, Professor II, Department of Psychology, School of Arts and Sciences; Codirector, Rutgers Center for Cognitive Science  
Election Year: 2002

Rochel Gelman, Professor II, Department of Psychology, School of Arts and Sciences; Codirector, Rutgers Center for Cognitive Science  
Election Year: 2006

Henryk Iwaniec, New Jersey Professor of Mathematics, Department of Mathematics, School of Arts and Sciences  
Election Year: 2006

Dennis Kent, Board of Governors Professor of Geological Sciences, Department of Earth and Planetary Sciences, School of Arts and Sciences  
Election Year: 2004

Joel Lebowitz, George William Hill Professor of Mathematics and Physics, Department of Physics and Astronomy and Department of Mathematics, School of Arts and Sciences  
Election Year: 1980

Bonnie J. McCay, Board of Governors Distinguished Service Professor, Department of Human Ecology, School of Environmental and Biological Sciences  
Election Year: 2012

David Mechanic, René Dubos University Professor of Behavioral Sciences, Department of Sociology, School of Arts and Sciences; Director, Institute for Health, Health Care Policy and Aging Research  
Election Year: 1991

James C. Phillips, Distinguished Visiting Professor, Department of Physics and Astronomy, School of Arts and Sciences  
Election Year: 1977

Lawrence R. Rabiner, Professor II, Department of Electrical and Computer Engineering, School of Engineering; Associate Director, Center for Advanced Information Processing  
Election Year: 1990

Lawrence Shepp, Board of Governors Professor of Statistics, Department of Statistics, School of Arts and Sciences  
Election Year: 1989

Endre Szemerédi, Professor of Computer Science, Department of Computer Science, School of Arts and Sciences  
Election Year: 2010

Evelyn Witkin, Barbara McClintock Professor Emerita of Genetics, Waksman Institute of Microbiology  
Election Year: 1977

### **National Academy of Engineering**

James Flanagan, Professor Emeritus, Department of Electrical and Computer Engineering, School of Engineering  
Election Year: 1978

Richard H. Frenkiel, Visiting Professor, Department of Electrical and Computer Engineering, School of Engineering  
Election Year: 1997

James D. Idol, Professor Emeritus, Department of Materials Science and Engineering, School of Engineering  
Election Year: 1986

Bernard H. Kear, New Jersey Professor of Materials Science and Technology, Department of Materials Science and Engineering, School of Engineering; Director, Center for Nanomaterials Research  
Election Year: 1979

Michael Lesk, Professor and Chair, Department of Library and Information Science, School of Communication and Information  
Election Year: 2005

Lawrence R. Rabiner, Professor II, Department of Electrical and Computer Engineering, School of Engineering; Associate Director, Center for Advanced Information Processing  
Election Year: 1983

Elias Snitzer, Professor Emeritus, Department of Materials Science and Engineering, School of Engineering  
Election Year: 1979

John B. Wachtman Jr., Professor Emeritus, Department of Materials Science and Engineering, School of Engineering  
Election Year: 1976

### **Institute of Medicine**

Gerald N. Grob, Henry E. Sigerist Professor of the History of Medicine Emeritus, Department of History, School of Arts and Sciences; Institute for Health, Health Care Policy and Aging Research  
Election Year: 1990

William Holzemer, Dean, College of Nursing  
Election Year: 2003

Casimir A. Kulikowski, Board of Governors Professor of Computer Science, Department of Computer Science, School of Arts and Sciences  
Election Year: 1988

Howard Leventhal, Board of Governors Professor of Health Sciences, Department of Psychology, School of Arts and Sciences  
Election Year: 1997

[David Mechanic](#), René Dubos University Professor of Behavioral Sciences, Department of Sociology, School of Arts and Sciences; Director, Institute for Health, Health Care Policy and Aging Research  
Election Year: 1971

[Louise B. Russell](#), Professor, Department of Economics, School of Arts and Sciences; Chair, Division of Health Policy, Institute for Health, Health Care Policy and Aging Research  
Election Year: 1984

[Lawrence Shepp](#), Board of Governors Professor of Statistics, Department of Statistics, School of Arts and Sciences  
Election Year: 1992

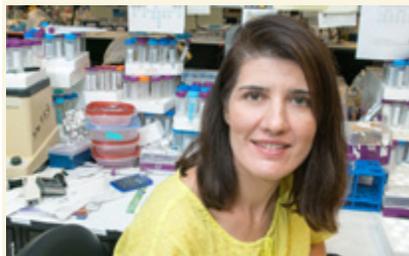
## Faculty Honors

**Rutgers faculty are internationally recognized** for the work they do to create new knowledge, generate innovative ideas, and prepare the next generation of leaders.

They have won the National Medals of Science and Technology, Guggenheim Fellowships, MacArthur "Genius" Awards, and Fulbright Scholarships, and been named Professor of the Year.

They have been elected to the most prestigious scholarly societies: the National Academy of Sciences, National Academy of Engineering, Institute of Medicine, American Academy of Arts and Sciences, American Academy of Arts and Letters, and American Association for the Advancement of Science.

### Presidential Early Career Award Recipient



President Barack Obama has announced that Nihal Altan-Bonnet, assistant professor of biological sciences on the Newark Campus, is among 96 researchers nationwide selected to receive the 2012 Presidential Early Career Award for Scientists and Engineers.

The prestigious award recognizes innovative work at the frontiers of science and a commitment to community service. [Learn more.](#)

### Abel Prize Winner



Endre Szemerédi, State of New Jersey Professor of Computer Science, has won the Norwegian Academy of Science and Letters' 2012 Abel Prize, one of the top honors in the field of mathematics. Szemerédi, recipient of numerous international awards and a member of the National Academy of Sciences, was cited "for his fundamental contributions to discrete mathematics and theoretical computer science." The Abel Prize comes with a grant of approximately \$1 million. [Learn more.](#)

## Recent Recognition

### CONGRESSIONAL BLACK CAUCUS FOUNDATION



The foundation has recognized [Tayari Jones](#), associate professor of English on the Newark Campus, with its 2012 Lifetime Achievement Award in the Fine Arts for her “brilliant literary contributions.” She is the author of three novels: *Leaving Atlanta*, *The Untelling*, and *Silver Sparrow*.



**AMERICAN ACADEMY OF ARTS AND SCIENCES** The academy, one of the nation’s most prestigious honorary societies, has elected Rutgers scientists [Eva Y. Andrei](#) (pictured top), [Dennis V. Kent](#) (pictured bottom), and [Alexander B. Zamolodchikov](#) as members. Andrei and Zamolodchikov are both professors in the

Department of Physics and Astronomy, while Kent is a professor in the Department of Earth Planetary Sciences in the Rutgers School of Arts and Sciences.

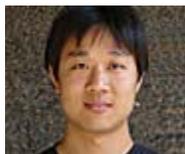


### SEARLE SCHOLARS PROGRAM



**Mikel Zaratiegui-Biurrun**, assistant professor of molecular biology and biochemistry at the School of Arts and Sciences, is one of 15 young scientists to receive this \$300,000, three-year award for 2012. The Searle Scholarship recognizes those who have already demonstrated innovative research with the potential for making significant contributions to chemical and biological research.

### ALFRED P. SLOAN FOUNDATION



**David Shih**, assistant professor of physics in the School of Arts and Sciences, is one of 118 early career scientists to be named a 2012 Sloan Research Fellow. The two-year fellowship is awarded to scholars of outstanding promise in recognition of distinguished performance and exceptional potential to make important contributions to their field.

### ASSOCIATION OF AMERICAN LAW SCHOOLS



**Twila Perry**, professor of law at the Rutgers School of Law–Newark, [has won the 2012 Clyde Ferguson Award](#), one of the association’s highest accolades, for excellence in public service, teaching, and scholarship. Perry’s research focuses on issues of race and

family law.

#### AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE



Three Rutgers professors have been selected as fellows, joining 49 previous Rutgers AAAS fellows. The new inductees are: **Anthony Broccoli** (pictured), professor of environmental science; **Bingru Huang**, the Ralph Geiger endowed chair in turfgrass science; and **Patrick Sinko**, the Parke-Davis endowed chair in pharmaceuticals and drug delivery.

## More Faculty Accomplishments

### Rutgers–New Brunswick

- College of Nursing
- Graduate School of Applied and Professional Psychology
- School of Arts and Sciences
- School of Communication and Information
- School of Engineering

### Rutgers–Newark

- College of Nursing
- School of Law–Newark
- School of Public Affairs and Administration