

# 49<sup>th</sup> Actuarial Research Conference

**Pierre Wiltzius**  
Susan and Bruce Worster Dean  
of  
Mathematical, Life & Physical Sciences

## 2013/2014 Leiden Rankings

|    |  |
|----|--|
| 1  | Rockefeller University                   |
| 2  | Massachusetts Institute of Technology    |
| 3  | Harvard University                       |
| 4  | University of California – Berkeley      |
| 5  | Stanford University                      |
| 6  | California Institute of Technology       |
| 7  | Princeton University                     |
| 8  | University of California – Santa Barbara |
| 9  | University of California – San Francisco |
| 10 | Yale University                          |
| 11 | Rice University                          |
| 12 | University of California – Santa Cruz    |
| 13 | Northwestern University                  |
| 14 | University of California-San Diego       |
| 15 | University of Colorado - Boulder         |
| 16 | University of Texas SW Medical Center    |
| 17 | University Pennsylvania                  |
| 18 | University of Chicago                    |
| 19 | University of Cambridge - UK             |
| 20 | University of California – Los Angeles   |



### United States: Top 20 Public and Private Institutions

The Leiden Ranking 2013/2014 measures the scientific performance of 500 major universities worldwide. Using a sophisticated set of bibliometric indicators, the ranking aims to provide highly accurate measurements of the scientific impact of universities and of universities' involvement in scientific collaboration.

## Junior Faculty Awards: 2005-2013

### CAREER, Sloan, Packard Fellowships

|    | University              | # Awards  | # of Faculty | % awarded per year |
|----|-------------------------|-----------|--------------|--------------------|
| 1  | Harvard                 | 90        | 56           | 18                 |
| 2  | MIT                     | 140       | 90           | 17                 |
| 3  | <b>UC Santa Barbara</b> | <b>60</b> | <b>40</b>    | <b>17</b>          |
| 4  | Caltech                 | 50        | 35           | 16                 |
| 5  | Northwestern            | 72        | 54           | 15                 |
| 6  | Stanford                | 111       | 86           | 14                 |
| 7  | Princeton               | 93        | 74           | 14                 |
| 8  | UC Berkeley             | 117       | 93           | 14                 |
| 9  | UC Los Angeles          | 87        | 76           | 13                 |
| 10 | Yale                    | 75        | 68           | 12                 |

## Nobel Laureates



**Finn E. Kydland**  
Professor of Economics  
2004 Nobel Prize in Economics



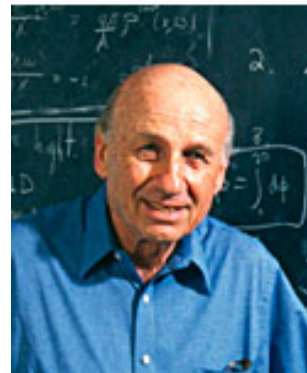
**David J. Gross**  
Professor of Physics  
2004 Nobel Prize in Physics



**Alan J. Heeger**  
Professor of Physics and of Materials  
2000 Nobel Prize in Chemistry



**Herbert Kroemer**  
Professor of Electrical and Computer  
Engineering  
and of Materials  
2000 Nobel Prize in Physics



**Walter Kohn**  
Founding director, Kavli Institute for  
Theoretical Physics  
Research Professor of Physics  
1998 Nobel Prize in Chemistry

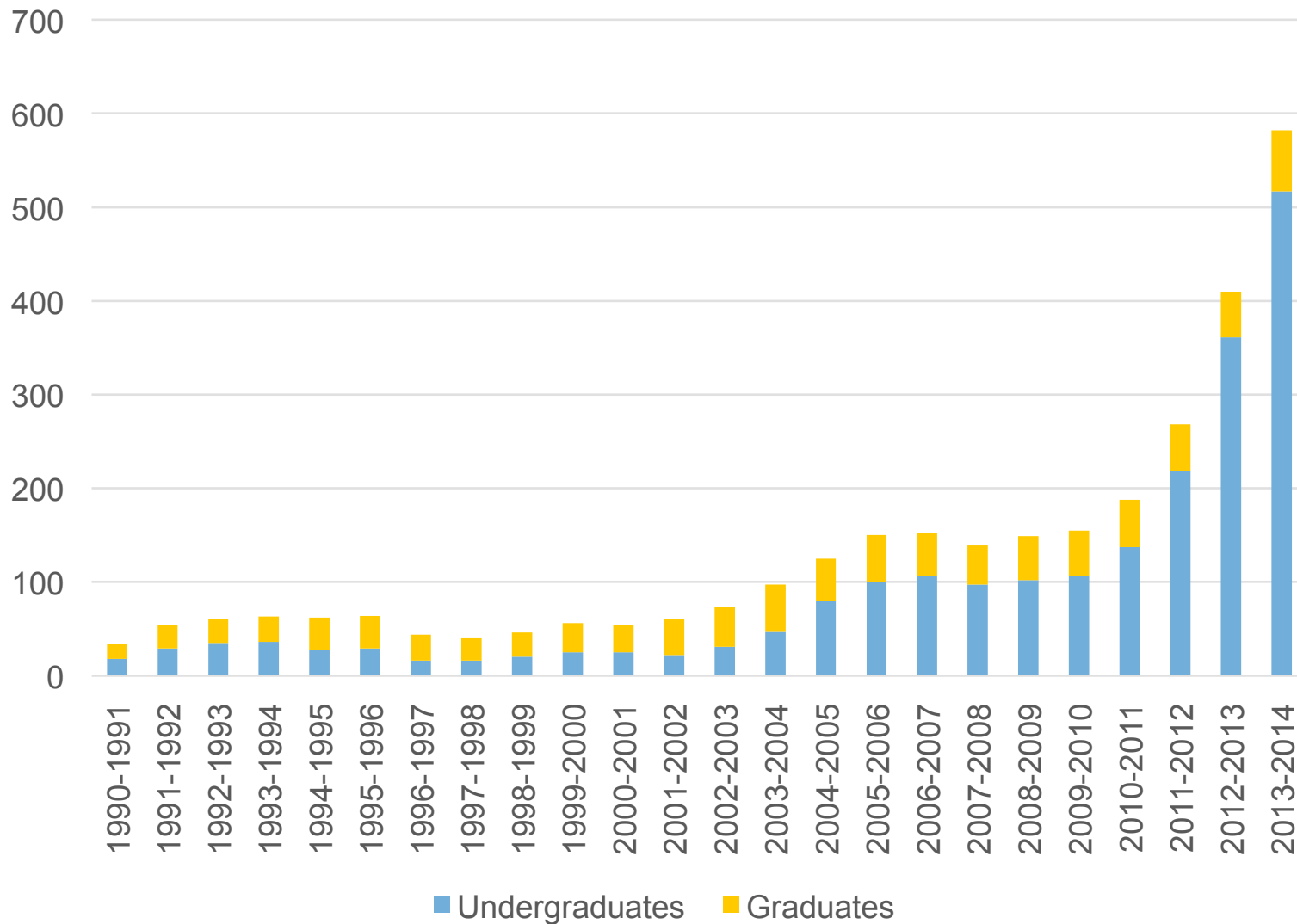


**Carol W. Greider**  
College of Creative Studies Alumna 1983,  
B.A. Biology  
2009 Nobel Prize in Medicine

## Membership

- 35 Members – American Association for the Advancement of Science
- 34 Members – National Academy of Science
- 33 Members – American Academy of Arts & Sciences
- 24 Members – National Academy of Engineering

# Statistics and Applied Probability



## Best Jobs of 2013

| Job Ranking | Job Title                |
|-------------|--------------------------|
| 1           | Actuary                  |
| 2           | Biomedical Engineer      |
| 3           | Software Engineer        |
| 4           | Audiologist              |
| 5           | Financial Planner        |
| 6           | Dental Hygienist         |
| 7           | Occupational Therapist   |
| 8           | Optometrist              |
| 9           | Physical Therapist       |
| 10          | Computer Systems Analyst |
| 11          | Chiropractor             |
| 12          | Speech Pathologist       |
| 13          | Physiologist             |
| 14          | University Professor     |
| 15          | Veterinarian             |
| 16          | Dietician                |
| 17          | Pharmacist               |
| 18          | Mathematician            |
| 19          | Sociologist              |
| 20          | Statistician             |
| 21          | Physicist                |

## Worst Jobs of 2013

| Job Ranking | Job Title                   |
|-------------|-----------------------------|
| 178         | Dockworker                  |
| 179         | Disc Jockey                 |
| 180         | Military General            |
| 181         | Maid                        |
| 182         | Fashion Designer            |
| 183         | Butcher                     |
| 184         | Broadcaster                 |
| 185         | Waiter/Waitress             |
| 186         | Tax Preparer                |
| 187         | Dishwasher                  |
| 188         | Photojournalist             |
| 189         | Corrections Officer         |
| 190         | Farmer                      |
| 191         | Flight Attendant            |
| 192         | Roofer                      |
| 193         | Mail Carrier                |
| 194         | Meter Reader                |
| 195         | Dairy Farmer                |
| 196         | Oil Rig Worker              |
| 197         | Actor                       |
| 198         | Enlisted Military Personnel |
| 199         | Lumberjack                  |
| 200         | Reporter (Newspaper)        |