1) **Call for Nominations for the Packard Fellowships for Science and Engineering**

**Limited Submission Opportunity** – Interested parties must submit nomination materials to Linda Schulze at lschulze@rci.rutgers.edu or call 848-932-8793, no later than February 26, 2016.

- **Amount:** $875,000 over 5 yrs

Rutgers University has been invited to submit two nominations for consideration for the David and Lucile Packard Foundation’s Fellowships for Science and Engineering, which provide research fellowships in the amount of $875,000 over five years for junior faculty in the natural and physical sciences and engineering. Fifty universities have been invited to nominate candidates, and the Packard Foundation will select 18 Fellows from among the nominees. The program seeks to support outstanding faculty members as they build productive research programs. The Foundation emphasizes support for research that involves the Fellows, their students, and junior colleagues rather than extensions or components of large-scale, ongoing research programs. Disciplines that will be considered include physics, chemistry, mathematics, biology, astronomy, computer science, earth science, ocean science, and all branches of engineering. Candidates must be faculty members in the first three years of their faculty careers, that is, those whose initial appointments began no earlier than May 31, 2013, and no later than May 31, 2016.

The complete guidelines for application are attached for your information. To nominate a candidate, please send a letter of nomination by February 26, 2016, the nominee’s curriculum vitae, and a no more than two page description of the candidate’s research program with an outline of his or her general goals for the next five years to Dr. Linda Schulze (lschulze@rci.rutgers.edu) who is coordinating this limited submission opportunity. Please contact her if you have any questions as you proceed. Rutgers’ usual peer selection process will be invoked if more than two nominations are received. Those faculty members who are chosen will be notified in sufficient time to prepare a full set of credentials to meet the April 20 deadline for submission.

2) **Vodafone Americas Foundation Announces Eighth Annual Wireless Innovation Prize**

- **Deadline:** February 27, 2016
- **Amount:** $300,000 for first-place, $200,000 for second-place, $100,000 for first-place

The Vodafone Americas Foundation has announced its eighth annual Wireless Innovation Project, offering applicants the opportunity to win a total prize of $600,000 for an innovative mobile solution that has potential to solve critical global issues.

The program is designed to recognize the growth taking place in mobile innovation and the potential for mobile and wireless technology to help solve critical social issues around the world. Winners in previous years have received additional funding that has enabled them to further develop and grow their innovations and hire talent.

The winning mobile or wireless solution must have the potential to solve an issue in the areas of access to communication, education, economic development, environment, or health. In addition, the project must be at a stage of research where an advanced prototype or field/market test can occur during the award period; the technology should have the potential for replication and large-scale impact; and teams should have a business plan or a basic framework for financial sustainability and rollout.

Applicants compete for first-, second-, and third-place prizes worth $300,000, $200,000 and $100,000, respectively.
3) Burroughs Wellcome Fund Invites Applications for Innovative Regulatory Science Awards

- **Deadline:** March 9, 2016
- **Amount:** up to $500,000 over 5 yrs

The Burroughs Wellcome Fund is an independent private foundation dedicated to advancing the biomedical sciences by supporting research and other scientific and educational activities. Within this broad mission, BWF’s primary goals are to help scientists early in their careers develop as independent investigators and advance fields in the basic biomedical sciences that are undervalued or in need of particular encouragement.

As part of this mission, BWF is accepting applications for its 2016 Innovation in Regulatory Science Awards program.

Grants of up to $500,000 over five years will be awarded to academic investigators developing new methodologies or innovative approaches in regulatory science that have the potential to inform regulatory decisions made by the Food and Drug Administration and others.

The program is open to citizens and permanent residents of the U.S. and Canada who have a faculty or adjunct faculty appointment at a degree-granting institution in North America. Applicants must have training in a field relevant to regulatory science such as mathematics, computer science, applied physics, medicine, engineering, toxicology, epidemiology, biostatistics, or systems pharmacology. Awards are made to degree-granting institutions in the U.S. or Canada on behalf of the awardee, and finalists must be available to interview in person on June 22, 2016, at Burroughs Wellcome Fund offices in Research Triangle Park, North Carolina.

4) ACS Petroleum Research Fund (ACS PRF) Grants

- **Deadline:** March 11, 2016
- **Amounts:** Various

ACS PRF research grant programs support fundamental research in the petroleum field, and development of the next generation of engineers and scientists through advanced scientific education. Research areas supported include chemistry, the earth sciences, chemical and petroleum engineering, and related fields such as polymers and materials science. Membership in the American Chemical Society is not a requirement or a factor in awarding ACS PRF grants.

- **New Directions (ND) Grants:** Amount: $110,000 over 2 years. Estimated number of grants awarded: 100 each year
- **Doctoral New Investigator (DNI) Grants:** Amount: $110,000 over 2 years. Estimated number of awards: 90 each year
- **Undergraduate Research (UR) Grants:** Amount: $70,000 over 3 years. Estimated number of awards: 45 each year
- **Undergraduate New Investigator (UNI) Grants:** Proposals must request $55,000 for a two-year period. The total $55,000 budget may be divided among years according to the needs of the project. The normal ACS PRF budget year extends from September 1 to August 31.

Eligibility varies by award:
- New Directions (ND) Faculty from Ph.D.-granting colleges and universities.
- Doctoral New Investigator (DNI): Faculty from Ph.D.-granting departments within the first 3 years of their first academic appointment
- Undergraduate Research (UR): Faculty from non-doctoral departments.
- Undergraduate New Investigator (UNI): Faculty from non-doctoral departments within the first 3 years of their first academic appointment.

Membership in the American Chemical Society is not a requirement or a factor in awarding ACS PRF grants.

5) American Geophysical Union’s Climate Communication Prize

- **Deadline:** March 15, 2016
- **Amount:** $25,000

The Climate Communication Prize is given annually to one honoree in recognition for “the communication of climate science.”

Established in 2011, the Climate Communication Prize is funded by Nature’s Own, a purveyor of fossils, minerals, and handcrafted jewelry in Boulder, Colorado. The Climate Prize highlights the importance of promoting scientific literacy, clarity of message, and efforts to foster respected and understanding of science-based values as they relate to the implications of climate change.

The Climate Communication Prize is for communication of climate science – not scientific research. Examples of prize qualifications are promotion of scientific literacy, clarity of message and efforts to foster respect and understanding of science-based value as they relate to the implications of climate change. These are exemplary of the activities of the Prize winner, but all are not necessary. Winning contribution can be a specific campaign communication or a long-career track record of climate communication.
The prize is given annually to one honoree in recognition for “the communication of climate science.”

Established in 2011, the prize is funded by Nature's Own, a purveyor of fossils, minerals, and handcrafted jewelry in Boulder, Colorado. The prize highlights the importance of promoting scientific literacy, clarity of message, and efforts to foster respected and understanding of science-based values as they relate to the implications of climate change.

The prize is for communication of climate science - not scientific research. Examples of prize qualifications are promotion of scientific literacy, clarity of message and efforts to foster respect and understanding of science-based value as they relate to the implications of climate change. These are exemplary of the activities of the prize winner, but all are not necessary. Winning contribution can be a specific campaign communication or a long-career track record of climate communication.

The nominee must have active AGU membership and be an AGU member-scientist. Nominators and supporters are not required to have active AGU membership.

6) James S. McDonnell Foundation’s Complex Systems Scholar Award

- **Deadline:** March 18, 2016
- **Amount:** $450,000

The JSMF Scholar Awards program derives from and is consistent with JSMF's commitment to supporting high quality research and scholarship leading to the generation of new knowledge and its responsible application. For Scholar Awards the program's emphasis is furthering the science of complex systems via the continued development of the theory and tools used in the study of complex research questions and not on particular fields of research per se. JSMF is particularly interested in projects attempting to apply complex systems approaches to coherently articulated questions. In general, JSMF receives many more proposals than it can fund. Research projects outside the Foundation's described area of interest will not be funded.

Scholar Awards in Complex System Science (Scholar Awards-CS) provide largely unrestricted funding over a sufficient time period to allow investigators to pursue and develop new directions to their research programs. Please note: Scholar Awards-CS are intended to support a program of research NOT a particular project.

Applicants who have an MD but not a Ph.D are eligible to apply.

There are no restrictions on the number of submissions that may be submitted by an institution. However, considering the small number of grants awarded each year, JSMF does ask that institutions limit their submissions to applications meeting both the letter and the spirit of the Foundation's guidelines. Qualified institutions that submit an application on behalf of a particular Researcher to JSMF programs (Research Awards or Collaborative Activity Awards) can only submit one application every 3 years on behalf of the named Researcher. When a researcher submits a letter of inquiry to the Collaborative Activity Award, a Scholar Award application, or a proposal for a Research Award in CY 2016 and the proposal is not funded, the next period of eligibility for that particular investigator and the proposal would begin in CY 2019. This policy is not intended to limit the number of applications from an institution. The intent of the policy is to encourage investigators and institutions to carefully consider the goodness of fit between a proposal and the goals of JSMF programs prior to submitting. Whether the guideline applies to Co-Researcher depends very much on the degree to which they are involved in and contribute to the substance of the application.

JSMF is unlikely to award more than 8 Scholar Awards-CS each year. Funding is $450,000 paid in four (4) $112,500 payments; funds expendable in no less than 4 and no more than 6 years. Scholars who do not fully expend the funds in 6 years will have the opportunity to request a 1 time no-cost extension of up to 2 years, but unless there are mitigating circumstances to justify prolonging the grant period the grant will be terminated and unexpended funds returned. It is JSMF's intent that Scholars expend the funds to pursue a research program within the 6 year time period. Scholar Awards-CS are one-time support. JSMF does not permit Indirect Costs.

Once an individual has received a James S. McDonnell Scholar Award, he or she is not eligible to receive another Scholar Award.

Researchers with prior grant support from JSMF are not eligible for consideration for a Scholar Award-CS. For example, researchers that served as principal investigators or co-principal investigators on a JSMF Research Award in Complex Systems are not eligible to apply.

Eligible Scholar Award principal investigators must have completed all doctoral, postdoctoral, or fellowship training and hold an independent research position. James S. McDonnell Scholar Awards are not intended to serve primarily as career development awards - the intent is to allow creative researchers to pursue important research. It is anticipated that successful Scholar-Award applications will have principal investigators between 5 and 15 years post Ph.D.

A nominating letter is required from the CEO of the qualified institution. Visit the website for details.
7) Human Frontier Science Program Invites Applications for Innovative Life Science Research

- **Deadline:** March 21, 2016 (Pre-Registration)
- **Amount:** up to $450,000

The Human Frontier Science Program is inviting applications for grants in support of innovative approaches to understanding the complex mechanisms of living organisms.

HFSP offers two areas of funding — Program grants and Young Investigator grants. Program grants are designed for independent scientists at all stages of their careers, while Young Investigators’ grants are for teams of scientists who are within five years of establishing an independent laboratory and ten years of obtaining their Ph.D.s. Both tracks provide three years of support for two- to four-member teams, with not more than one member from any one country, unless critical for the innovative nature of the project. Applicants are expected to develop novel lines of research distinct from their ongoing research.

Awards, which are dependent on team size, will range up to $450,000 a year. The principal applicant must be located in one of the HFSP member countries, but co-investigators may be located in any country.

Applicants must register and obtain a 2017 reference number from the HFSP website by March 21, 2016. Letters of Intent must be received no later than March 31, 2016. Upon review, selected applicants will be invited to submit a full proposal.

8) Alternatives Research & Development Foundation Invites Applications for Research on Non-Animal Testing

- **Deadline:** May 2, 2016
- **Amount:** up to $40,000

The mission of the Alternatives Research & Development Foundation is to fund and promote the development, validation, and adoption of non-animal methods in biomedical research, product testing, and education.

To advance this mission, the foundation is soliciting proposals for its 2016 Alternatives Research Grant Program. Grants of up to $40,000 will be awarded to support research related to alternatives to the use of laboratory animals in research, testing, and education. Priority will be given to projects that use pathway-based approaches as exemplified by the 2007 National Academy of Sciences report, *Toxicity Testing in the Twenty-First Century: A Vision and a Strategy*.

Universities and research institutions are eligible to apply. Preference will be given to institutions based in the United States.

9) Dreyfus Foundation Invites Nominations for Teacher-Scholar Awards in Chemical Sciences

- **Deadline:** May 18, 2016
- **Amount:** $60,000

The New York City-based Camille & Henry Dreyfus Foundation is accepting nominations from academic institutions for its Henry Dreyfus Teacher-Scholar Awards Program.

The annual program supports the research and teaching careers of talented young faculty in the chemical sciences at undergraduate institutions. Based on institutional nominations, the program provides discretionary funding to faculty at an early stage in their careers. The award is based on accomplishment in scholarly research with undergraduates, as well as a compelling commitment to teaching, and provides an unrestricted research grant of $60,000.

The program is open to academic institutions in the states, districts, and territories of the United States that grant a bachelor’s or master’s degree in the chemical sciences, including biochemistry, materials chemistry, and chemical engineering. Awardees are typically in departments that do not grant a doctoral degree. Nominees must hold a full-time tenure-track academic appointment, be after the fourth and before the thirteenth years of their independent academic careers, and be engaged in research and teaching primarily with undergraduates. Institutions may submit only one Henry Dreyfus nomination annually. Re-nominations are accepted.