American Chemical Society Petroleum Research Fund (ACS PRF)

To: Department Chairs, Administrators, and Faculty in Chemistry, Geology, and Physics

Deadline: March 19, 2010, 5:00 p.m. ET

ACS PRF research grant programs support fundamental research in the petroleum and energy fields. Research areas supported include chemistry, the earth sciences, chemical and petroleum engineering, and related fields such as polymers and materials science. The ACS is accepting applications for four grant programs which share the following criteria for submission:

- BC must certify that the individual listed as a PI qualifies as a PI under BC's policies.
- Each PI must be eligible to serve as the formal, official supervisor of the students for whom he/she is seeking support.
- The terms of appointment of the PI must promise reasonable continuity of service, continuing at least through the period of funding requested in the proposal.
- Generally the above criteria are automatically met by tenure-track PIs. If you are not tenure-track, you should attach a brief statement to your application describing your appointment and you must include a Department Chair's letter affirming that you meet all three of the above criteria.

Awards and Eligibility

New Directions (ND) Grants provide funds to scientists and engineers with limited—or even nopreliminary results for a research project they wish to pursue, who intend to use the PRF-driven preliminary results to seek continuation funding from other agencies. ND grants are to be used to illustrate proof of concept/feasibility. Accordingly, they are to be viewed as seed money for new research ventures. Award amount is \$100,000 over two years. Eligibility Criteria: Regularlyappointed faculty members.

Doctoral New Investigator (DNI) Grants promote the careers of young faculty by supporting research of high scientific caliber, and enhance the career opportunities of their undergraduate/graduate students and postdoctoral associates through the research experience. Award amount is \$100,000 over two years. Eligibility Criteria: DNI grants focus on providing start-up funding for scientists and engineers who are within the first three years of their first academic appointment at the level of Assistant Professor or the equivalent. Research or adjunct faculty holding non-tenured, long-term scientific appointments may be eligible.

Undergraduate New Investigator (UNI) Grants provide funds for scientists and engineers who are beginning their independent careers in academia and have limited or no preliminary results for a research project they wish to pursue. Award amount is \$50,000 over two years. Eligibility Criteria: UNI grant applicants must be within the first three years of their first academic appointment as a regular faculty member, have completed all requirements for the PhD (however, an application may be submitted before the degree has been awarded), and be appointed at the rank of Assistant Professor or the equivalent.

Undergraduate Research (UR) Grants provide funds for scientists and engineers with established programs of research at non-doctoral departments. Award amount is \$65,000 over three years. Eligibility Criteria: UR grant applicants must include a PI in a department without a doctoral

program. Investigators from Master's degree-granting departments are eligible, and support can be provided for MS level research, but undergraduates must be included in the project.

How to Apply

Proposals will be accepted from **February 19, 2010** to **March 19, 2010, 5:00 p.m. ET** for consideration at the Fall 2010 ACS PRF Advisory Board meeting. Please check the website for current instructions.

For updated information, please see:

http://portal.acs.org/portal/acs/corg/content? nfpb=true& pageLabel=PP SUPERARTICLE&n ode id=1251&use sec=false&sec url var=region1& uuid=bb195046-8dd2-421b-b2ae-2d965babcddb.

Gates Foundation Grand Challenges in Global Health Explorations Initiative

To: Department Chairs, Administrators, and Faculty in Arts and Sciences and Connell

School

Deadline: To be announced

Topics and Applications available March 25, 2010

The Bill & Melinda Gates Foundation will be accepting applications for its fifth funding round of the Grand Challenges Explorations, beginning March 25, 2010. Topics for Round 5 will be announced on March 25, 2010. Grand Challenges Explorations foster innovation in global health research. Applicants must address one of the published topics and may submit only one proposal per round. Applicants may submit multiple ideas in partnership with collaborators, but an individual PI may lead the submission of only one proposal each round. Competitive proposals address innovative responses/solutions that require private funding (i.e. not fundable through traditional government funding).

Award

Phase I grants will be for \$100,000, with no indirect costs. Phase I projects that show promise in the first year will be eligible for follow-on funding.

Eligibility

Anyone – from students to tenured professors – may apply. There is no restriction on the number of submissions from a lab or institution.

How to Apply

For more information, please see:

www.grandchallenges.org/Explorations/Pages/Introduction.aspx.

For complete application instructions, please see:

www.grandchallenges.org/Explorations/Pages/ApplicationInstructions.aspx.

2010 Multiple Myeloma Research Fellows Award

To: Department Chairs, Administrators, and Faculty in Biology and Chemistry

Deadline: March 30, 2010, 5:00 p.m. ET

The Multiple Myeloma Foundation is accepting applications for its Research Fellows Awards program, which supports preclinical research in multiple myeloma. This program intends to encourage researchers to develop innovative approaches to treatment and to further the understanding of myeloma biology and the development of innovative therapies.

Award

Proposals may request up to \$75,000 total costs, including up to 10% indirect costs, for a one-year period.

Eligibility

Applicants must have less than five years experience (post highest degree obtained, doctorate, or equivalent) working under the supervision of a research mentor.

How to Apply

Applications must be submitted via proposalCENTRAL by March 30, 2010, 5:00 p.m. ET.

For more information, please see:

www.themmrf.org/assets/research-programs/2010-research-fellow.pdf.

To register, before submitting an application to the MMRF, please see: http://proposalCENTRAL.altum.com.

Michael J. Fox Foundation (MJFF) Critical Challenges in Parkinson's Disease (PD)

To: Department Chairs, Administrators, and Faculty in Biology

Deadline: Pre-proposals due April 28, 2010, 6:00 p.m. ET

Invited Full Proposals due July 6, 2010, 6:00 p.m. ET

A part of the MJFF's ongoing *Critical Challenges in Parkinson's Disease* initiative, these funding opportunities focus effort on key priority areas in Parkinson's disease research. Priority challenges are chosen based on their relevance for addressing broader goals necessary for PD therapeutic development.

Awards

Alpha-synuclein Therapeutics seeks pre-clinical projects to accelerate therapeutic development of the PD-implicated gene alpha-synuclein, which many researchers believe holds potential to lead to a new treatment that could slow or stop the progression of PD. Applicants should outline critical next steps to develop and optimize treatment strategies that can change levels of alpha-synuclein production in the brain, reduce alpha-synuclein toxicity, or break up Lewy bodies. The Foundation will prioritize funding for applications that describe a clear path to the clinic. Projects may not exceed two years. There is no maximum budget amount; however, the maximum base salary for an individual applying to an MJFF funding program is \$200,000. Indirect costs of up to 25% are allowed.

Pharmacodynamic Biomarkers of LRRK2 Activity will drive efforts to develop drug-activity biomarkers that can improve outcomes from future clinical trials of treatments targeting the PD-implicated gene LRRK2. The Foundation will give preference to proposals seeking to verify and validate promising, pre-defined candidate LRRK2-associated biomarkers. Projects may not exceed two years. Awards are \$400,000 for up to two years including 25% indirect costs.

Eligibility

Post-doctoral students or fellows are not eligible to apply.

How to Apply

Pre-proposals for this opportunity are due **April 28, 2010** at **6 p.m. ET**. If invited to apply, full proposals are due **July 6, 2010** at **6:00 p.m. ET**.

For more information, please see: www.michaeljfox.org/research_fundingOpportunities.cfm.

- For application process information for *Alpha-Synuclein Therapeutics 2010*, please see: www.michaeljfox.org/research_openFundingPrograms_program.cfm?ID=33. MJFF will hold a 45 minute long conference call on www.michaeljfox.org/research_openFundingPrograms_program.cfm?ID=33. MJFF will hold a 45 minute long conference call on www.michaeljfox.org/research_openFundingPrograms_program.cfm?ID=33.
- For application process information for *Pharmacodynamic Biomarkers of LRRK2 Activity 2010*, please see: www.michaeljfox.org/research_openFundingPrograms_program.cfm?ID=34.

 MJFF will hold a 45 minute long conference call on March 25, 2010 at 12:00 PM ET.

To participate in these calls, learn more about the programs, or ask questions, you must RSVP via email to <u>conferencecalls@michaeljfox.org</u>. Participants will receive a reply with call-in details.

Open Society Institute (OSI) Fellowships

To: Department Chairs, Administrators, and Faculty in Arts and Sciences

Deadline: April 28, 2010

The Open Society Fellowships support individuals seeking innovative and unconventional approaches to fundamental open society challenges. The Fellowships fund work that will enrich public understanding of those challenges and stimulate far-reaching and probing conversations within the Open Society Institute and in the world. The OSI works to build vibrant and tolerant democracies whose governments are accountable to their citizens. Among OSI's core areas of concern are human rights, government transparency, the promotion of civil society, and social inclusion.

A Fellowship project might identify a problem that has not previously been recognized, develop a new policy idea to address familiar problems, or offer a new advocacy strategy. Fellows should take advantage of the considerable intellectual and logistical resources of the Open Society Institute and expect to contribute meaningfully to OSI's thinking in return.

Award and Eligibility

For a full-time fellow based in the U.S., the stipend ranges from \$60,000 to \$100,000.

OSI chooses its fellows from a diverse pool of applicants that includes journalists, activists, academics, and practitioners in a variety of fields.

Applicants should possess a deep understanding of their chosen subject area and a track record of professional accomplishment.

How to Apply

Interested applicants should complete the online application form at https://oas.soros.org/oas and submit supporting materials for consideration by April 28, 2010.

For information on program guidelines and application instructions, please see: www.soros.org/initiatives/fellowship/focus areas.

Cystic Fibrosis Foundation (CFF) Research Grants and Pilot and Feasibility Awards

To: Department Chairs, Administrators, and Faculty in Biology and Connell School

Deadline: Letters of Intent due May 1, 2010, 5:00 p.m. ET

Invited Full Proposals due September 1, 2010, 5:00 p.m. ET

The CF Foundation offers grants for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Research Grants and Pilot and Feasibility Awards should focus on basic science research. For both grant programs, priority will be placed on those projects proposing to better understand the mechanisms behind disease pathophysiology and to develop strategies to prevent or treat it. CFF's current research interests include:

- Post secretory events that govern mucus maturation within the CF airway;
- Influence of CF airway milieu (infection and inflammation) on structure of secreted and tethered airway mucins;
- Nature of interaction between secreted and tethered airway mucins;
- Mechanism(s) of improved airway mucociliary clearance by osmotic agents;
- Improved agents for spatial and temporal resolution of airway mucociliary clearance;
- Quantity and quality of airway submucosal gland secretions in response to physiologic stimuli and whether these are compromised in CF;
- Relationship between killing and clearance (mechanical and phagocytic) of inhaled bacteria and the impact upon inflammatory signaling;
- Determination of what selective processes, whether they be of the host and/or pathogen, favor chronic infection by particular strains of *Pseudomonas aeruginosa*;
- Identification of advantage(s) conferred upon *P. aeruginosa* through mucoid conversion;
- Rapid, minimally invasive means of detecting mucoid conversion of *P. aeruginosa*;
- Composition of *P. aeruginosa* biofilm matrix *in vivo*; and
- Development of more informative *in vitro* and *in vivo* models of chronic airways infection and inflammation.

Awards

Research Grants: These grants to independent investigators are intended to encourage the development of new information that will contribute to the understanding of the basic etiology and pathogenesis of Cystic Fibrosis (CF). Proposals must be hypothesis driven, with sufficient preliminary data to justify CFF support. Information derived from funded studies will hopefully lead to submission to other funding agencies, such as the National Institutes of Health. Grants are \$90,000 per year, plus 8% indirect costs, for up to two years.

Pilot and Feasibility Awards: These grants are for developing and testing new hypotheses and/or new methods, and are intended to support promising new investigators as they establish themselves in research areas relevant to CF. Proposals must be hypothesis driven and must reflect innovative approaches to critical questions in CF research. The intent of these awards is to enable investigators

to collect sufficient data to compete successfully for support from the NIH or other funding agencies. Awards are \$40,000 per year, plus 8% indirect costs, for up to two years.

How to Apply

LOIs are due **May 1, 2010** at **5:00 p.m. ET**. If invited, full proposals are due **September 1 2010,** at **5:00 p.m. ET**. Both LOIs and proposals are submitted through proposalCentral at https://proposalcentral.altum.com/.

For additional information, please see:

www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/#Research Grants.

For application process information and guidelines for the *Research Grant*, please see: https://www.cff.org/UploadedFiles/research/ForResearchers/FundingOpportunities/ResearchGrants/Research-Grants-Policies-and-Guidelines.pdf.

For application process information and guidelines for the *Pilot and Feasibility Award*, please see: https://www.cff.org/UploadedFiles/research/ForResearchers/FundingOpportunities/ResearchGrants/Pilot-and-Feasibility-Policies-and-Guidelines.pdf.

Food Allergy and Anaphylaxis Network Research Grant

To: Department Chairs, Administrators, and Faculty in Biology, Chemistry, and Connell

School

Deadline: Letter of Intent due May 10, 2010

Invited Full Proposals due in October 2010

The Food Allergy and Anaphylaxis Network is accepting LOIs for its 2010 Research Grant program, which supports research on the epidemiology, etiology, treatment, and prevention of food allergy and anaphylaxis. Although basic research proposals are accepted, applications that lead to an immediate or potential advance in healthcare are encouraged.

Award

One- to two-year grants are awarded in the range of \$50,000 to \$150,000 annually, including up to 10% indirect costs.

Eligibility

PhD or MD with proven track record of research experience.

How to Apply

Two page LOIs must be submitted via proposalCentral no later than **May 10, 2010**. To begin the application process, please see: https://proposalcentral.altum.com. If invited to apply, full proposals are due in **October 2010**.

For more information, please see: www.foodallergy.org/page/for-research.

Michael J. Fox Foundation (MJFF) Target Validation

To: Department Chairs, Administrators, and Faculty in Biology

Deadline: Pre-proposals due June 1, 2010, 6:00 p.m. ET

Invited Full Proposals due August 10, 2010, 6:00 p.m. ET

The Michael J. Fox Foundation's Edmond J. Safra Core Programs for PD Research offers this funding opportunity to promote validation of novel targets. The Target Validation program supports work demonstrating whether modulation of a novel biological target has impact in a PD-relevant animal model – an essential early step to the development of potential targeted therapies.

Award

\$250,000 for up to two years, including up to 25% indirect costs.

Eligibility

Post-doctoral students or fellows are not eligible to apply.

How to Apply

Pre-proposals for this opportunity are due **June 1, 2010** at **6:00 p.m. ET**. If invited to apply, full proposals are due **August 10, 2010** at **6:00 p.m. ET**.

For more information about this funding opportunity, please see: www.michaeljfox.org/research_fundingOpportunities.cfm.

MJFF will hold a 45-minute long conference call on May 11, 2010 at 12:00 p.m. ET to explain this program and to answer applicants' questions. To participate in this call, you must RSVP via email to conferencecalls@michaeljfox.org. Participants will receive a reply with call-in details.

For additional information about the application process, please see: www.michaeljfox.org/research openFundingPrograms program.cfm?ID=12.

American Foundation for Suicide Prevention (AFSP)

To: Department Chairs, Administrators, and Faculty in Arts and Sciences, Graduate

School of Social Work, and Connell School

Deadline: June 1, 2010

The AFSP is currently accepting applications for its research grant program which supports studies to increase understanding of the causes of suicide and factors related to suicide risk, or to test treatments and other interventions designed to prevent suicide. Investigators from all academic disciplines are eligible to apply. Both basic science and applied research projects will be considered, providing the study has an essential focus on suicide or suicide prevention. Six types of grants are awarded for neurobiological, genetic, epidemiological, clinical, or psychosocial research on suicide.

Awards and Eligibility

Distinguished Investigator of up to \$100,000 over two years is awarded to investigators at the level of Associate Professor or higher with a proven history of suicide research.

Standard Research Grants of up to \$75,000 over two years are awarded to investigators at any academic rank.

Linked Standard Research Grants, for three or more sites, of up to \$225,000 over two years are awarded to investigators at any academic rank.

Young Investigator Awards of up to \$85,000 over two years are awarded to investigators at the level of Assistant Professor or lower. These grants provide a mentor's stipend of \$5,000 per year.

Pilot Grants of up to \$30,000 over one or two years provide seed money for promising new areas of research to investigators at any academic rank.

Post Doctoral Research Fellowships support full-time research training projects for investigators who have received a PhD or MD within the preceding three years and have not had more than three years of fellowship support. Fellowships provide an annual stipend of \$42,000 in the first year and \$46,000 in the second, plus an institutional allowance of \$6,000 per year.

How to Apply

Applications are due by **June 1, 2010**.

For more information and to download applications, please see: www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B#young.

Damon Runyon-Rachleff Innovation Award

To: Department Chairs, Administrators, and Faculty in Biology and Chemistry

Deadline: Pre-proposals due June 1, 2010

Invited full proposals due September, 3 2010

The Damon Runyon-Rachleff Innovation Award is designed to provide support for the next generation of exceptionally creative thinkers with "high risk/high reward" ideas that have the potential to significantly impact our understanding of and/or approaches to the prevention, diagnosis, or treatment of cancer. Applications will be evaluated based on the applicant's capacity to conduct creative research, the novelty of the research, the potential of the research to lead to advances that will impact the prevention, diagnosis, treatment, or basic understanding of cancer, and the applicant's lack of resources to pursue the proposed research.

Award

\$150,000 per year for three years. There are no indirect costs.

Eligibility

- Applicants (including non-U.S. citizens) must be conducting independent research at a U.S. research institution.
- Basic and translational/clinical projects will be considered. Applications will be accepted from all scientific disciplines provided that the proposed research meets the selection criteria. Applicants with a background in multiple disciplines are especially encouraged to apply.
- Applicants must be Tenure-track Assistant Professors (within the first three years of their first appointment), Clinical Instructors/Senior Clinical Fellows, and Distinguished Fellows.
- Research Assistant Professors, Research Associate Professors, Research Scientists, and Postdoctoral Fellows are not eligible.
- Applicants may apply no more than two times.

How to Apply

Completed Pre-Proposals (hardcopy and CD or DVD) must be received no later than **June 1, 2010**. All files must be in PDF format. Semi-finalists will be notified **July 23, 2010**; for those invited, full proposals will be due **September 3, 2010**.

For more information, please see:

www.damonrunyon.org/for scientists/more/innovation award overview.

For application guidelines, please see:

www.damonrunyon.org/for scientists/more/innovation award application guidelines.

Dreyfus Foundation Special Grant Program in the Chemical Sciences

To: Department Chairs, Administrators, and Faculty in Arts and Sciences and Lynch

School of Education

Deadline: Letters of Intent due June 3, 2010

Invited Full Proposals due November 11, 2010

The Camille and Henry Dreyfus Foundation is currently accepting applications for its Special Grant Program in the Chemical Sciences. The program supports innovative projects in any area consistent with the Foundation's broad objective to advance the chemical sciences. The Foundation encourages proposals that are judged likely to significantly advance the chemical sciences. Examples of areas of interest include (but are not limited to): the increase in public awareness; understanding and appreciation of the chemical sciences; innovative approaches to chemistry education at all levels (K-12, undergraduate, and graduate); and efforts to make chemistry careers more attractive. Research proposals are not customarily considered. BC may submit inquiries for more than one project.

Award

The amount of support requested is determined by the applicant. Previous awards ranged from \$25,000 to \$80,000. There are no indirect costs.

Eligibility

Non-specified.

How to Apply

LOIs should be submitted to the Foundation no later than **June 3, 2010**. This initial inquiry may be sent by e-mail (admin@dreyfus.org) and must include the complete telephone and mailing address of the principal investigator.

If invited to apply, proposals are due November 11, 2010.

For more information on the award and application guidelines, please see: www.dreyfus.org/awards/special_grant_program_chemical.shtml.

Muscular Dystrophy Development Grants

To: Department Chairs, Administrators, and Faculty in Biology and Chemistry

Deadline: Letters of Intent due June 15, 2010

Full Proposals due July 15, 2010

The Muscular Dystrophy Association (MDA) is accepting applications for its Development Grants program, which supports members of a research team in the laboratory of an independent investigator. Under guidance, the applicant will conduct a neuromuscular disease research project relating to the muscular dystrophies, motor neuron diseases, peripheral nerve disorders, inflammatory myopathies, disorders of the neuromuscular junction, and metabolic diseases of muscle, among others. For a complete list of diseases in MDA's program, please see: www.mda.org/disease/.

Award

Development grants are a maximum of \$60,000 per year for one to three years. Overhead is limited to a maximum of 10% of direct costs to be included in the total amount of the grant request.

Eligibility

To be eligible to apply for an MDA Development Grant, an applicant must:

- Hold a PhD, DSc, MD, or equivalent degree (i.e. DO);
- Be a member of a research team at an appropriate institution;
- Have an acceptable research plan for a specific disease in MDA's program;
- Have access to institutional resources necessary to conduct the proposed research project;
- Be qualified to conduct a program of original research under the supervision of a Principal Investigator; and
- Have 18 months of post-doctoral research laboratory training at the time of application, but no more than five years (60 months).

How to Apply

Requests for applications should be submitted prior to **June 15, 2010**. Invited full proposals are due no later than **July 15, 2010**.

For more information, please see:

www.mda.org/research/guidelines.html#completeGuidelines.

To register, before submitting an application to MDA, please see: http://proposalCENTRAL.altum.com.

Muscular Dystrophy Research Grants

To: Department Chairs, Administrators, and Faculty in Biology and Chemistry

Deadline: Letters of Intent due June 15, 2010

Full Proposals due July 15, 2010

The Muscular Dystrophy Association (MDA) is accepting applications for its Research Grants program, which supports independent investigators with interests in developing treatments for the muscular dystrophies and related diseases of the neuromuscular system. These include the muscular dystrophies, motor neuron diseases, peripheral nerve disorders, inflammatory myopathies, disorders of the neuromuscular junction, and metabolic diseases of muscle, among others. For a complete list of diseases in MDA's program, please see: www.mda.org/disease/.

Award

Funding levels for primary research grants are unlimited for one to three years. Overhead is limited to a maximum of 10% of direct costs to be included in the total amount of the grant request.

Eligibility

To be eligible to apply for an MDA Research Grant, an applicant must:

- Hold a PhD, DSc, MD, or equivalent degree (i.e. DO);
- Hold rank of Professor, Associate Professor, or Assistant Professor;
- Conduct and mentor a program of original research within their own laboratory;
- Assume both administrative and financial responsibility for the grant; and
- Have access to institutional resources necessary to conduct the proposed research project.

How to Apply

Requests for applications should be submitted prior to **June 15, 2010**. Invited full proposals are due no later than **July 15, 2010**.

For more information, please see:

www.mda.org/research/guidelines.html#completeGuidelines.

To register, before submitting an application to MDA, please see: http://proposalCENTRAL.altum.com.

Diabetes Research and Wellness Foundation Grant

To: Department Chairs, Administrators, and Faculty in Biology, Chemistry, and Physics

Deadline: June 30, 2010

The Diabetes Research and Wellness Foundation (DRWF) is accepting applications for its Research Grant program. The Foundation's current areas of primary interest include islet cell transplantation, macrovascular disease, and neuropathy. Research proposals are evaluated along the following parameters: relevance to the DRWF mission, scientific merit, and qualifications and experience of the investigators.

Award

The maximum support of the research grant is \$50,000 per year, for up to two years. DRWF accepts indirect costs less than 10% for each year.

Eligibility

Non-specified.

How to Apply

Applications are due no later than June 30, 2010.

For more information, please see:

www.diabeteswellness.net/Research/GrantGuidelines.aspx.