Research Funding Opportunities

Organization: NSF  Solicitation Name: CAREER  Due Date: July 26, 2021  Summary:
CAREER: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of early-career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. Activities pursued by early-career faculty should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from early-career faculty at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply. Not all programs accept CAREER applications; check with the program managers. Link: https://www.nsf.gov/pubs/2020/nsf20525/nsf20525.pdf

Organization: NSF  Solicitation Name: NSF Convergence Accelerator Phases I and II for the 2021 Cohort  Due Date: May 17, 2021  Summary:  The NSF Convergence Accelerator program addresses national-scale societal challenges through use-inspired convergence research. Using a convergence approach and innovation processes like human-centered design, user discovery, and team science and integration of multidisciplinary research, the Convergence Accelerator program seeks to transition basic research and discovery into practice—to solve high-impact societal challenges aligned with specific research themes (tracks). NSF Convergence Accelerator tracks are chosen in concordance with the themes identified during the program’s ideation process that have the potential for significant national impact. The NSF Convergence Accelerator implements a two-phase program. Both phases are described in this solicitation and are covered by this single solicitation and corresponding Broad Agency Announcement. The link to the Broad Agency Announcement can be found here. The purpose of this parallel activity is to provide increased opportunities for proposals that are led by nonacademic entities. Proposals that are led by Institutions of Higher Education (IHEs), non-profits, independent museums, observatories, research labs, professional societies, and similar organizations should respond to this solicitation. Proposals led by for-profit or similar organizations should respond to the BAA. Phase I awardees receive significant resources to further develop their convergence research ideas and to identify important partnerships and resources to accelerate their projects, leading to deliverable research prototypes in Phase II. This solicitation for FY 2021 invites proposals for the following Track Topics: a) Networked Blue Economy and b) Trust & Authenticity in Communications Systems. Link: https://www.nsf.gov/pubs/2021/nsf21572/nsf21572.pdf

Organization: NSF  Solicitation Name: Disability and Rehabilitation Engineering  Due Date:  Open Summary:  The Disability and Rehabilitation Engineering program is part of the Engineering Biology and Health cluster, which also includes: 1) the Biophotonics program; 2) the Biosensing program; 3) the Cellular and Biochemical Engineering program, and 4) the Engineering of Biomedical Systems program.

The Disability and Rehabilitation Engineering program supports fundamental engineering research that will improve the quality of life of persons with disabilities through: the development of new
technologies, devices, or software combined with advancement of knowledge regarding healthy or pathological human motion, or advancement in the understanding of injury mechanisms.

Research may be supported that is directed toward the characterization, restoration, rehabilitation, and/or substitution of human functional ability or cognition, or to the interaction between persons with disabilities and their environment. Areas of particular interest are neuroengineering and rehabilitation robotics. The program will also consider research in the areas of: new engineering approaches to understand healthy or pathological motion, both as a target for rehabilitation and as a means to characterize motion related to disability or injury; understanding injury at the tissue- or system-level such that interventions may be developed to reduce the impact of trauma and subsequent disability; or understanding the role of gut microbiota in modulating disability in the context of rehabilitation.

Link:
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505718&org=ENG&sel_org=ENG&from=fund

USU ENG Faculty

If you are searching for a specific area to fund, please contact me. I will identify potential funding opportunities related to your topic.

April 05, 2021

Monica Kessel
Grant Development Manager
monica.kessel@usu.edu
(435) 797-7125
ENGR 413N