

## Faculty Spotlight!



Consider joining SC INBRE's Thirsty Thursday Series on Thursday, April 15<sup>th</sup> @ 7pm to hear guest speaker Dr. Sorinel Oprisan from the Department of Physics and Astronomy at the College of Charleston, who will discuss time perception during his presentation titled: How is our brain keeping track of time? Each month SC INBRE hosts Thirsty Thursdays, a laid back and free online event featuring a 20 to 30 minute scientific talk, Q&A session, and networking opportunities! For more information, [click here](#).

## Center for Disease Control and Prevention (CDC) Funding Opportunity



The CDC is accepting proposals for its 3-year Expanding the National Approach to Chronic Disease Education and Awareness grant program, which will fill gaps in CDC's National Center for Chronic Disease Prevention and Health Promotion's (NCCDPHP) current priorities by supporting the following activities: 1) Data dissemination activities that support awareness for public health professionals; 2) Development of data collection tools; 3) Educational activities supporting public awareness; and 4) Educational activities supporting health professional screening, referral, and/or management. Applications are due May 2, 2021. For more information, [click here](#).

## National Science Foundation (NSF) Funding Opportunity



NSF is soliciting proposals for their Future Manufacturing program. The Future Manufacturing program aims to support fundamental research and education of a future workforce to overcome scientific, technological, educational, economic and social barriers thus enabling new manufacturing capabilities that do not exist today. Future Manufacturing will require major advances in technologies and algorithms for the synthesis and production of new materials, chemicals, devices, components and systems of assured quality with high yield at reasonable cost. The program will also require new advances in artificial intelligence and machine learning, new cyber infrastructure, new approaches for mathematical and computational modeling, new dynamics and control methodologies, new ways to integrate systems biology, synthetic biology and bioprocessing, and new ways to influence the economy, workforce, human behavior, and society. Main research interest areas include: Future Cyber Manufacturing Research, Future Eco Manufacturing Research, and Future Biomanufacturing Research. Applications are due May 14, 2021. For more information, [click here](#).

## U.S. Department of Energy (DOE) Funding Opportunities



The DOE Office of Science's program in Basic Energy Sciences is funding projects that advance fundamental experimental and theoretical efforts that improve the chemical upcycling of polymers and circular design of next-generation plastics. The term "plastic" describes a wide array of polymeric materials with diverse compositions and properties. Finished plastic products may include multiple polymeric components and often contain additives to obtain desirable physical, chemical, or mechanical properties. Understanding of chemical approaches that make use of end-of-life plastic products as feedstocks to regenerate the same product, or otherwise upcycle them to new, more valuable products, is limited. Applications are due May 12, 2021. For more information, [click here](#).

The DOE Office of Science is announcing funding for support of experimental and theoretical efforts to advance fundamental understanding of the capture of carbon dioxide (CO<sub>2</sub>) from dilute sources including combined capture and chemical conversion of CO<sub>2</sub>. Although direct air capture (DAC) of carbon dioxide generally refers to the capture of CO<sub>2</sub> from ambient air, this FOA also considers the removal of CO<sub>2</sub> from partially concentrated air (e.g., building HVAC exhaust) and from natural fluids (e.g., the ocean and surface waters) that received their CO<sub>2</sub> directly from ambient air. Enhanced understanding of scientific phenomena and approaches for DAC would accelerate progress and strengthen the foundation for applications that deliver economic benefit and/or energy security. Applications are due May 18, 2021. For more information, [click here](#).

## National Endowment for the Humanities (NEH) Funding Opportunity



The National Endowment for the Humanities (NEH) Division of Preservation and Access is accepting applications for the Preservation and Access Education and Training program. The purpose of this program is to support the development of knowledge and skills among professionals responsible for preserving and establishing access to humanities collections. Awards are made to organizations that offer national, regional, or statewide education and training programs that provide the staff of cultural institutions with the knowledge and skills needed to serve as effective stewards of humanities collections. Applications are due May 18, 2021. For more information, [click here](#).

## Helpful Tip!



The United States Federal Government recently approved the American Rescue Plan (ARPA), which provides another "much needed infusion" of federal aid into colleges and universities impacted by the COVID-19 pandemic. This law will dedicate \$39.6 billion to aiding institutions of higher education, to support the fiscal fall-out caused by the pandemic. Overall, this funding, while significantly more than previous relief packages, builds upon the frameworks laid out by earlier legislation. To read more about ARPA and its impact, check out this [article](#).