

RESEARCH MATTERS

CWRU Launches New Entrepreneurship & Innovation Website



CWRU has created myriad new programs and resources—both inside and outside of the classroom—aimed at supporting entrepreneurs and taking our innovations from campus to market.

In 2018, we launched the Morgenthaler-Pavey Startup Competition, opened the Clay Center for Venture Creation and the Burton D. Morgan Suite for Entrepreneurship on the 6th Floor of Sears think[box] (pictured above), and started a record ten new startup enterprises based on university intellectual property with the support of the Technology Transfer Office. This flurry of activity is the direct result of ongoing and strategic investment in resources and programs designed to support CWRU

entrepreneurs and to accelerate innovations from campus to market.

All of these programs and more now have a virtual ecosystem to call home in the new CWRU entrepreneurship and innovation web site. The site's tag line, "Start Something" is a perfect description of what our innovative community does each day, and its content is designed to help our entrepreneurs and innovators stay up-to-date and connected.

If you have entrepreneurship and innovation programs or outcomes that you would like to highlight on the site, please reach out to Janet Okoben, University Marketing and Communications at jxo168@case.edu.

CTSC Community & Collaboration Component

Engaging Stakeholders through Team Science



In 2018, The Clinical and Translational Science Collaborative (CTSC) at Case Western Reserve University was funded for another five-year cycle, providing resources to promote clinical and translational research across a city-wide partnership including CWRU, the Cleveland Clinic, MetroHealth, University Hospitals, and the Louis Stokes Veterans Administration Medical Center. A major component of the CTSC is the Community and Collaboration Component (C&C), which focuses on fostering effective investigative research teams that utilize team science and stakeholder engagement-based approaches to address the health and health care priorities of our population. Dr. Elaine Borawski, Director of the Prevention Research Center for Healthy Neighborhoods and Professor in the Department of Population and Quantitative Health Sciences, leads the C&C Component.

Finding solutions to challenging problems requires the collaboration and integration of multidisciplinary teams, often from different institutions. Although interdisciplinary

scientific collaboration has many success stories, in other cases these teams fail to integrate their diverse knowledge due to gaps in communication, geography, or coordination. To assist such interdisciplinary research teams, the C&C Component offers a broad selection of resources around training and team science support.

For example, in December 2018, the C&C Component recruited teams representing scientists across multiple disciplines and from all CTSC partner institutions to work with team science expert Maritza Salazar Campo, PhD, of the Merage School of Business at UC-Irvine. Dr. Salazar Campo leads a National Science Foundation (NSF) team science research project that studies the effectiveness of modules focused on the Principles of Interdisciplinary Communication and Strategic Team Design as part of a national Team Science curriculum.

Eight teams participated in workshops led by Dr. Salazar Campo. Participants included faculty, department heads, research staff, graduate assistants, and doctoral/post-doctoral students. Topics identified by the teams ranged from tobacco cessation, trauma-based inventions, and the use of technology to mitigate social determinants of health to increasing the deployment and integration of community health workers, among others.

This spring, the C&C component is selecting multidisciplinary teams to develop action plans around translational research projects (TRPs) aimed at addressing a population health problem. The goal of this short-term funding opportunity is to provide support for the development of a feasible and actionable plan with the potential to improve population health outcomes in the Greater Cleveland area. Such well-defined plans will be highly beneficial when applying for future TRP pilot funding opportunities from the C&C as well as providing feasibility and rationale for future external funding.

National Humanities Center: CWRU Now an Institutional Sponsor

Case Western Reserve University is now an institutional sponsor of the National Humanities Center. The Center is the world's only independent institute dedicated exclusively to advanced study in all areas of the humanities. Through its residential programs for scholars, the Center provides researchers with the resources necessary to generate new knowledge and to further understanding of all forms of cultural expression, social interaction, and human thought.

One of the greatest benefits of institutional sponsorship is the opportunity for CWRU faculty to participate in a summer residency, a four-week program providing humanities scholars an opportunity to make progress on a current research project or jumpstart a new one. Faculty from participating institutions are able to experience a concentrated period of supported research in the world-renowned setting of Research Triangle Park in North Carolina.

Learn more about National Humanities Center's Summer Residencies at www.nationalhumanitiescenter.org/summer-residencies/.

Strengthening Research through Shared Resources at CWRU

Over the last two decades, a shared resource and core facility ecosystem has grown at CWRU, giving investigators access to tens of millions of dollars of specialized research equipment, technical expertise and training. The more than 70 scientific core facilities and shared resource centers cover a full spectrum of capabilities and allow researchers access to specialized instrumentation, research services, and technical support. The facilities range from advanced materials testing to next-generation DNA sequencing, from bioinformatics to solar cell testing.

CWRU has leveraged investment and capacity strategically with these facilities to build bridges with our clinical affiliate hospitals, regional industrial partners (such as Lubrizol, Sherwin-Williams, Timken Steel, and Momentive Performance Materials), and local academic and non-profits (Cleveland State University, Cleveland Museum of Natural History, John Carroll University, and many others).

Research ShowCASE + Intersections

Friday, April 19, 2019
9 am – 3 pm

Mark your calendars and save the date to join us at Case Western Reserve University's annual Research ShowCASE + Intersections. Plan to discover hundreds of new research projects, learn about all the studies being conducted, and talk to the faculty, staff, and students doing this exciting work.

The day will be filled with opportunities to explore the interactive booths and exhibits, to participate in one of the many competitions available for students showcasing their work, and to celebrate research!

Abstracts are now being accepted at showCASE.case.edu. This event is free and open to the public.

These scientific core facilities benefit the research community through cost-effective access to specialized equipment, shared maintenance costs, and continuity of knowledge through highly-trained staff. In addition to research support, cores are critical to the training of undergraduate and graduate students, providing experiential learning in regular courses and special seminars.

As part of CWRU's continued commitment to a shared resource infrastructure, Provost Ben Vinson III has invested in creating a position to support the cores campus-wide. Mr. Matt DeVries will serve as Administrative Director of Core Facilities and Shared Resources. You can contact Matt directly at (216) 368-1266 or by email at mpd35@case.edu.

Learn more about the core services at cwrucorefacilities.org or case.edu/research/Core-facilities/.

For More Information **CONTACT**

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The Office of Research Administration provides two weekly e-newsletters; one details funding opportunities and the other provides news and updates regarding research. Join the lists at research.case.edu/spiderweb/oraSubscriptions.cfm.

To speak with someone to obtain information, offer input, or discuss problems, questions, or concerns about participation in a research study, please contact the local Institutional Review Board (IRB) or Research Compliance Officer listed above.

Visit us on the web at: case.edu/research.

