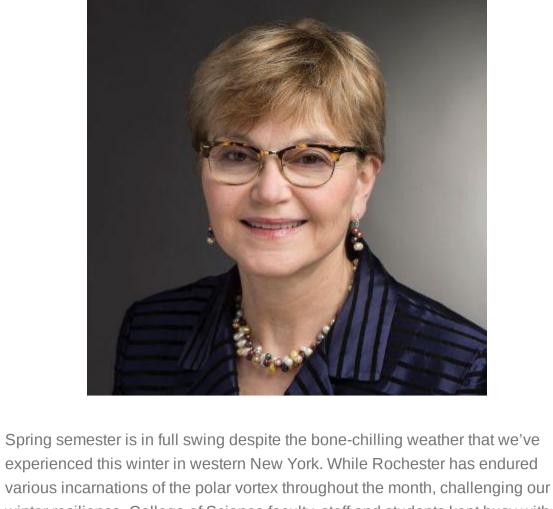
February 2019

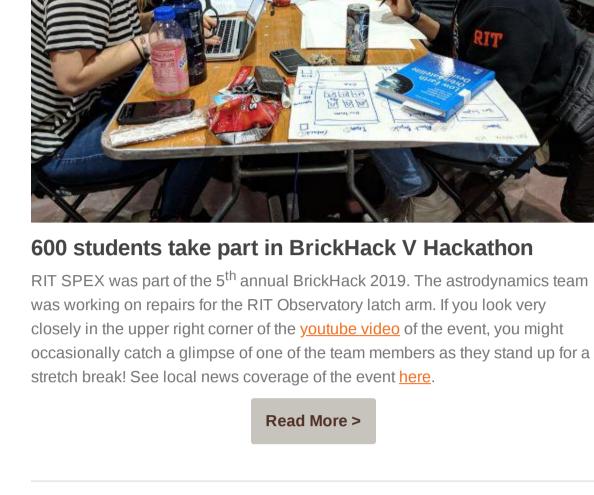


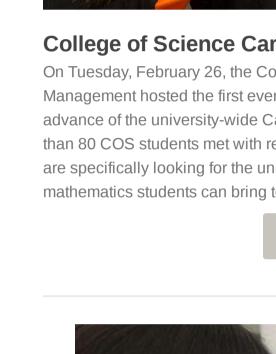
winter resilience, College of Science faculty, staff and students kept busy with a wide variety of activities: • Career Fair opened with the COS Networking event which provided a new opportunity for COS students to meet with companies specifically interested in the perspectives that mathematicians and scientists can bring to their teams;

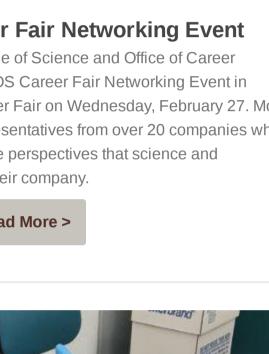
uses of unmanned aerial systems during the STRATUS conference; • Women in Science (WISe) participated the celebration of science, technology, engineering and mathematics in RIT's Girls in STEM Fair; • Astrophysical Sciences & Technology faculty were awarded grants that will make a big impact on helping us to explore the universe; and

• Worldwide leaders in drone technology gathered to share knowledge and

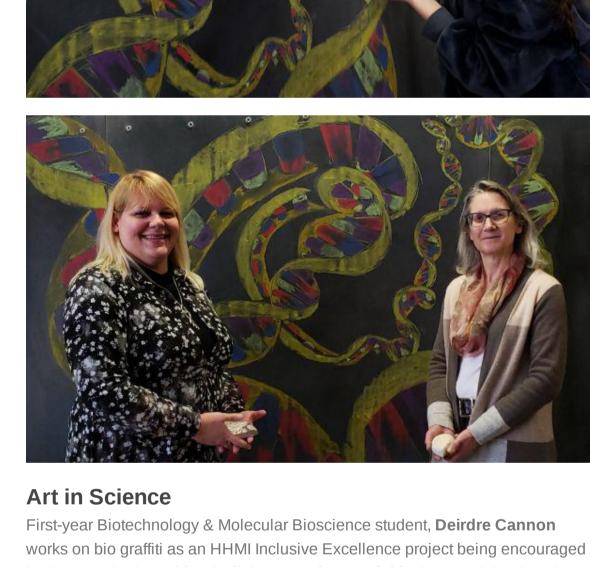
- challenging each other to **Try-A-Tri** to raise funds for a new scholarship created in memory of a beloved faculty member. Read about all of these adventures and more in the stories below. SOPHIA MAGGELAKIS
- Dean, RIT College of Science







Congratulations to the Fall Semester Genomics BIOL340 class on publication of their semester-long inquiry-based lab exercise to determine the types of bacteria found on smartphones. Sixteen out of the 19 authors are undergraduate students and were involved in the entire process of submitting the paper for







RIT Assistant Professor appointed leader of Cosmic Evolution Survey Assistant Professor, Jeyhan Kartaltepe, SoPA, is assuming leadership of a team of more than 200 scientists worldwide collaborating to study how galaxies are influenced by both their fundamental physical properties and the environment that surrounds them. Kartaltepe, an assistant professor of physics and deputy director of the Laboratory for Multiwavelength Astrophysics, became one of three faculty appointed to the Cosmic Evolution Survey (COSMOS)



RIT hosts Girls in STEM fair Women in Science (WISe) participated in the Girls in Stem Fair in the Golisano Building on Saturday, February 23 where girls in grades 5-12 experienced hands on science and engineering activities to spur their interest in pursuing

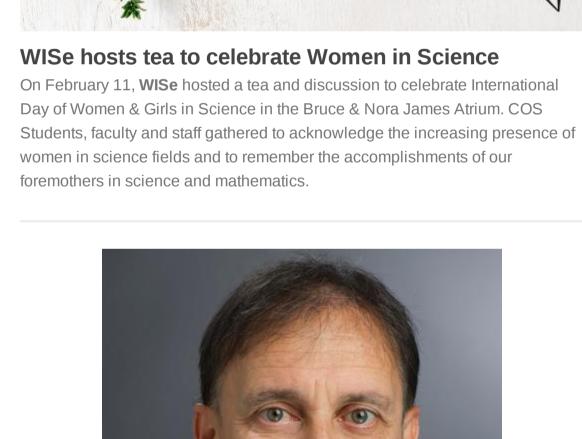
STEM-related career paths. Thank you to **Elizabeth DiCesare**, senior lecturer,

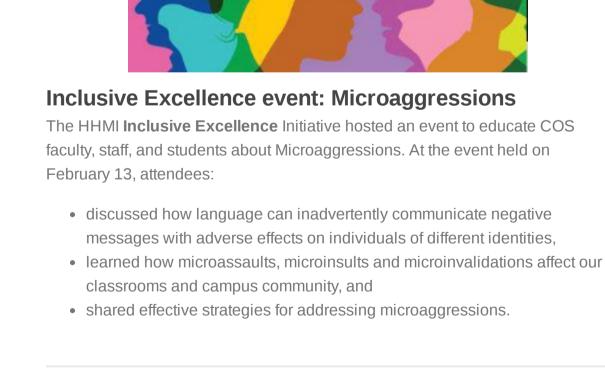
GSoLS and Alex Combs, visiting lecturer, SMS for their leadership in

coordinating activities and volunteers.

on April 16, 2019.







Sponsored Research

titled "Integrative Experimental and Multiscale High Resolution Modeling of Atrial Arrhythmias to Optimize Low Energy Anti-fibrillation Pacing (LEAP)." **Jeyhan Kartaltepe,** SoPA, is the PI on a \$37,421 grant from NASA and the Space Telescope Science Institute to support the project titled "The Cosmic Evolution Early Release Science (CEERS) Survey."

Elizabeth Cherry, SMS, is the PI on a \$293,183 grant from the DHHS, National Institutes of Health and Georgia Institute of Technology to support the project

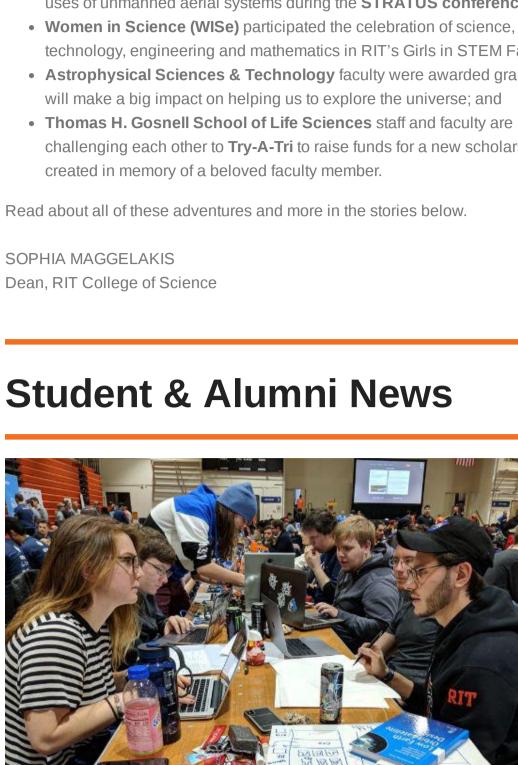
Newsmakers

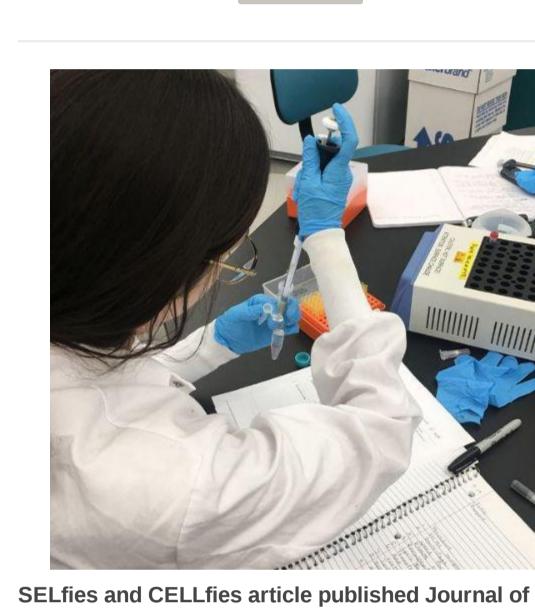
Research by Casey Miller, professor and associate dean for research & faculty

'Baby Brain' does exist, scientists claim

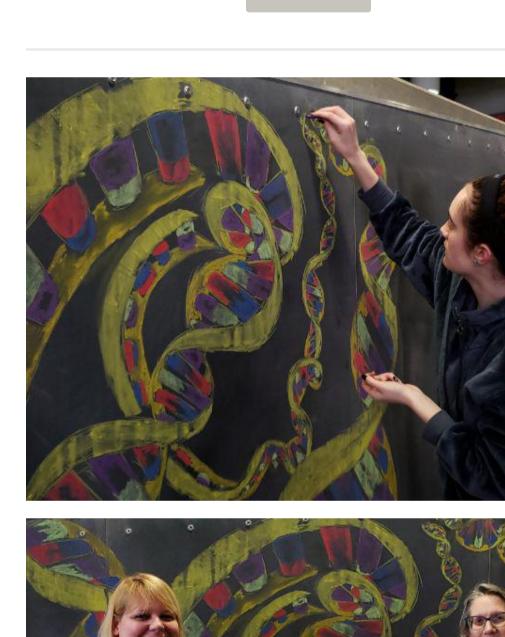
Physicsworld.com, Jan. 28 US graduate entry exams not a predictor of PhD success, says study Rochester Business Journal, Feb. 1 RIT-led study says GRE in physics is biased **Bonnie Jacob**, assistant professor of mathematics, quoted:

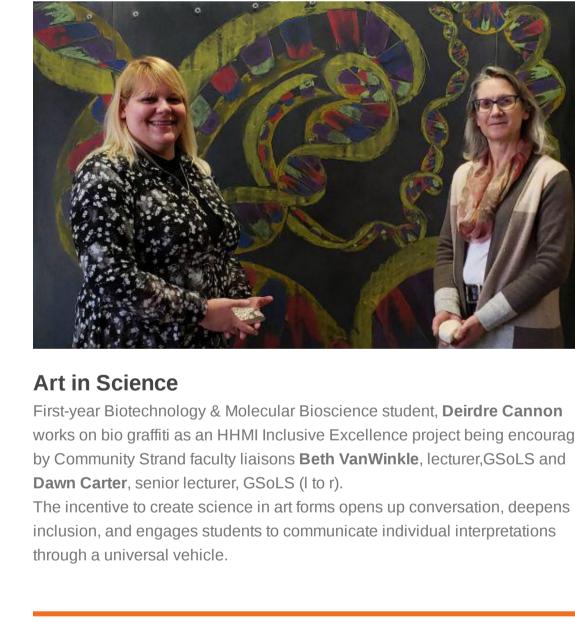
"Shedding light on Binary Black Hole Mergers with Numerical Simulations."









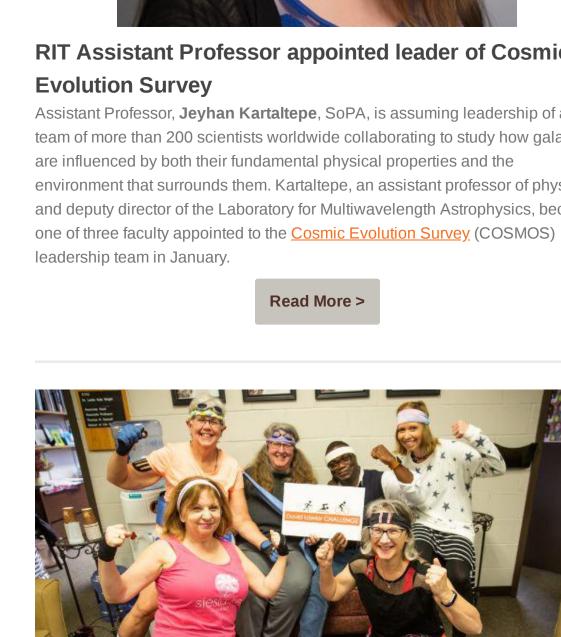


million in funding from NASA this month. This exciting news was announced to the Rochester community on the local news report from RochesterFirst.com and the Rochester Business Journal. Read More >

government landed at Rochester Institute of Technology for the Systems and Technologies for the Remote Sensing Applications Through Unmanned Aerial Systems (STRATUS) conference Feb. 25-27, chaired by CIS assistant professor, **Emmett lentilucci**. The <u>STRATUS conference</u> will explore how drones are revolutionizing fields including precision agriculture, environmental monitoring, and forest and water management, and showcase the latest developments in the hardware and algorithms that power unmanned aerial systems. Local news coverage of the event can be found at RochesterFirst.com and the Rochester Business Journal.



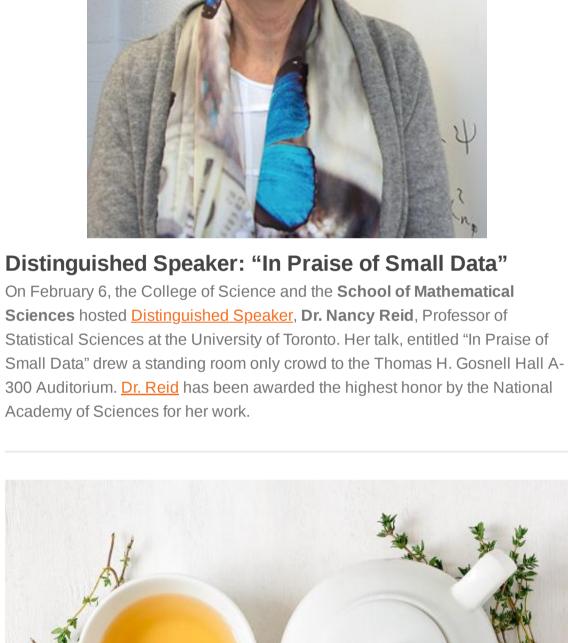
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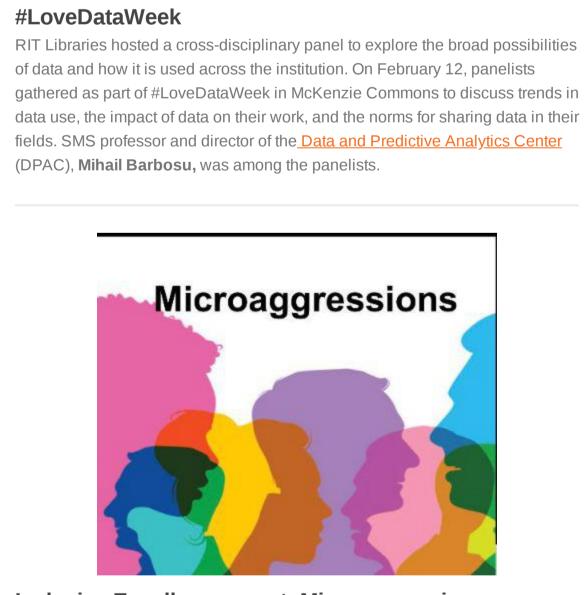


participation in the RIT Running and Multisport Club's annual Try-a-Tri event on March 31. Dr. David A. Lawlor was a much-loved professor and colleague in the Thomas H. Gosnell School of Life Sciences. The David Lawlor Endowed Service Award was established to honor his legacy. Donations to the fund can be made by clicking https://bit.ly/2I6EsRQ Or you can register to take part in the Try-a-Tri event yourself. Just make note that you are joining as part of the GSoLS team! Register to Participate >

SoPA lecturer recognized for efforts to enhance diversity Jennifer Connelly, SoPA lecturer, was named as the 2018-19 Isaac L. Jordan, Sr. Faculty Pluralism Award recipient. Jennifer is being recognized for significant contributions to enhance diversity in the university through a variety of channels, including her work with the HHMI Inclusive Excellence program.

Award recipients will be honored with an awards ceremony at Ingle Auditorium





CIS collaborators win best paper award Alum Justin Harms '16 Ph.D., imaging science, and Charles Bachmann, associate professor of imaging science, were authors on a paper recognized by SPIE, the international society for optics and photonics. They received the Journal of Applied Remote Sensing's Best Paper Award in the category of Photo-Optical Instrumentation and Design.

SPIE The international society for optics and photonics

affairs, highlighted: The Sunday Times, Feb. 3

Astrophysical Sciences Assistant Professor part of NASA's SPHEREx mission A Rochester Institute of Technology professor is part of a small team of scientists contributing to NASA's new mission to explore the origins of the universe by performing the first near-infrared all-sky spectral survey. Michael Zemcov, assistant professor, SoPA is part of a team of 19 coinvestigators of the Spectro-Photometer for the History of the Universe, Epoch of Reionization, and Ices Explorer (SPHEREx) mission, which received \$242

the public in environmental monitoring.

Michael Murdoch, ISA, is the PI with CoPI Susan Farnand, ISA, on a \$39,291 grant from LG Electronics USA to support the project titled "OLED TV Perceptual Black Threshold."

sciences program: American Scientist, Feb. 12 Open Science Isn't Always Open to All Scientists Manuela Campanelli, director of the Center for Computational Relativity and Gravitation, presented at the Computational Challenges in Gravitational Wave Astronomy workshop at UCLA on Jan. 28. Her talk (available online) was titled

Guest essay co-authored by Kaitlin Stack Whitney, visiting assistant professor

in the science, technology and society department and the environmental

Our mailing address is: