



MEDIA ALERT | For Immediate Release

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**CARNEGIE SCIENCE CENTER'S FREE VIRTUAL LECTURE EXPLORES ENGINEERING
AS A NEW FRONTIER IN MEDICAL TRAINING**

***ON JUNE 7, LEARN ABOUT THE APPLICATION OF ENGINEERING PRINCIPLES WITHIN MEDICINE
AND HEALTHCARE***

PITTSBURGH, May 24, 2021 — On **Mon., June 7** from **7–9 pm**, join Dr. Rana Zakerzadeh, assistant professor of engineering at Duquesne University, for a virtual discussion on "Engineering as a new frontier in medical training and research." The discussion is a part of Carnegie Science Center's [Virtual Café Sci](#) – a monthly, free lecture series exploring today's science issues.

During the discussion, Dr. Zakerzadeh will introduce sophisticated and interesting engineering tools to explore cardiovascular disease. Dr. Zakerzadeh's research focuses on the mechanisms behind pathological states and improving the design of medical devices to enhance their performance. She will cover the role of computers in medical decision making and scientific challenges and help others to have informed conversations about the application of engineering principles.

Dr. Zakerzadeh is an Assistant Professor of Biomedical Engineering in The Rangos School of Health Sciences at Duquesne University, where she has been a faculty member since 2019. Dr. Zakerzadeh received a PhD in Mechanical Engineering at the University of Pittsburgh and completed a three-year Postdoctoral Fellowship research in the field of cardiovascular mechanics at the University of Texas at Austin. Dr. Zakerzadeh has spent most of her academic career analyzing and modeling blood flow in human arteries and blood flow through the heart and heart valves. She has collaborated actively with researchers in several other disciplines, particularly applied mathematics on modeling of multi-physics problems with applications in life sciences to help with medical decision making.

The Virtual Café Sci is free to attend, but [preregistration is required](#) to receive the webinar link. The event lasts from 7–9 pm.

Virtual Café Sci is presented by PPG and sponsored by Cook MyoSite.

For more information, visit CarnegieScienceCenter.org or call 412.237.3400.

About Carnegie Science Center

Carnegie Science Center is dedicated to inspiring learning and curiosity by connecting science and technology with everyday life. By making science both relevant and fun, the Science Center's goal is to increase science literacy in the region and motivate young people to seek careers in science and technology. One of the four Carnegie Museums of Pittsburgh, the Science Center is Pittsburgh's premier science exploration destination, reaching more than 700,000 people annually through its hands-on exhibits, camps, classes, and off-site education programs.

Accessibility: Features for All

Carnegie Science Center welcomes all visitors. We work to assist visitors with disabilities in obtaining reasonable and appropriate accommodations, and in supporting equal access to services, programs, and activities. We welcome visitors in wheelchairs on the deck of our USS Requin (SS 481) submarine. Below-deck visits require full mobility. Hearing assistance devices are available for The Rangos Giant Cinema. Please ask when you buy your ticket.

Please note that requests for accommodations should be made at least two weeks prior to your visit. For specific questions about wheelchairs, strollers, or other programmatic or equipment needs, see the ticket counter located on the first floor of the main building or contact Customer Service at 412.237.1641 or info@carnegiesciencecenter.org. Please contact Carnegie Museums of Pittsburgh's Accessibility Coordinator with concerns regarding accessibility for visitors with disabilities at the museums. On weekdays, call 412.622.6578 or email accessibility@carnegiemuseums.org.

About Carnegie Museums of Pittsburgh

Established in 1895 by Andrew Carnegie, Carnegie Museums of Pittsburgh is a collection of four distinctive museums: Carnegie Museum of Art, Carnegie Museum of Natural History, Carnegie Science Center, and The Andy Warhol Museum. In 2017, the museums reached more than 1.4 million people through exhibitions, educational programs, outreach activities, and special events.

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