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STEM INNOVATORS-IN-TRAINING EXPERIENCE



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A Panel Discussion on STEM Education/Careers



Dr. Traci Lyons, Asst. Professor of Medicine in the Division of Medical Oncology at the University of Colorado Anschutz Medical Campus, investigates mechanisms of lymphatic metastasis in young women with breast cancer. She has developed a pre-clinical model of postpartum breast cancer, which is a highly metastatic form of breast cancer in young women, and utilized this model to show a mechanism of metastasis that can be blocked with anti-inflammatory drugs such as ibuprofen. Her results, published in *Nature Medicine* in 2011, were highlighted at the *San Antonio Breast Cancer Symposium* 2011 annual meeting as a "Most Important Scientific Contribution of 2011". The Lyons lab is expanding upon these studies to identify novel molecules that will instruct therapy aimed at prevention of lymph node and distant metastasis.

Susan Massihzadeh, Director of Earth and Space Observing Solutions (ESOS) at Raytheon Company's Intelligence, Information and Services (IIS) oversees a portfolio of programs which include space instruments, data centers and communication satellite ground systems for Civil and Defense customers. Since joining Raytheon in 1990, she has held positions of increasing responsibility in aviation business initiatives in the Middle East, Europe, Africa, India, and South America, as well as security programs and product development. Prior to joining Raytheon, Susan was a structural engineer for Merrick & Company and designed the renovations to Red Rocks Amphitheater including the roof that protects performers from weather and supports speakers and lighting.



Brad Mason is currently the Assistant Crew Chief for the Matco Tools/U.S. Army Top Fuel Dragster driven by 2012 NHRA world champion Antron Brown. He has been with the team since 2008 and helped set the current NHRA Top Fuel elapsed time record of 3.701 seconds during a race in 2012.

As a leader in innovation, a U.S. Army Soldier Hero will join panelists on stage to discuss the importance of STEM in the professional and academic sectors. The Soldier Hero, selected for their leadership, honorable achievements and scientific background in the U.S. Army, will speak to the value of a STEM education, provide insight on the U.S. Army's cutting-edge technology and careers and discuss scholarship opportunities available to students after graduation.



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