



Pumps & Pipes 11 ***Expanding Our Ecosystem*** **Symposium Agenda**



December 4, 2017
Texas Medical Center Innovation Institute (TMCx)

Getting Started

8:00 – 9:00 AM

Registration

9:00 – 11:00 AM

Welcome: Expanding The Pumps & Pipes Ecosystem

Alan Lumsden, MD

Medical Director, Houston Methodist DeBakey Heart & Vascular Center

Deep Space Exploration

Ellen Ochoa, PhD

Astronaut, Center Director, NASA | Johnson Space Center

Deploying The Neighbor's Toolkit: Detecting Mosquito Habitat

Melissa Nolan, PhD, MPH

Departments of Pediatrics and Tropical Medicine, Baylor College of Medicine

Worst to First: What Astro Curve Balls & Texas Wind Energy Have in Common

William Kline, PhD

Director Emeritus, Pumps & Pipes Program

Daniel Araya, PhD

Department Mechanical Engineering, University of Houston

Perspectives

Kjell Lindgren, MD

Astronaut, Cardiovascular Physiologist, NASA | Johnson Space Center

P&P Welcome From International Space Station

Joseph Acaba, MS

Astronaut, Educator On Board ISS, NASA | Johnson Space Center

11:00 – 11:15 AM

Break – Roving Reporter Interviews

Seeing Is Believing

11:15 AM – 12:00 PM

A Tough Case, A Case From The Cath Lab, and Taking It For A Spin On Stage: Vascular Robot For Complex Coronary Interventions

Colin Barker, MD, Alpesh Shah, MD and Huie Lin, MD

Houston Methodist DeBakey Heart & Vascular Center

Mark Toland

President & CEO, Corindus Vascular Robotics

Lunch, Matching Minds & Mentoring Network, Exhibits

12:00 – 1:30 PM

Roving Reporter Interviews

Are You Curious?

1:30 – 3:00 PM

Welcome To TMC Innovation Institute

Erik Halvorsen, PhD
Director, TMCx Incubator and BioDesign Fellowship Program

Take Another Little Piece Of My Heart: Intra-atrial Shunting For Heart Failure

Jacob Kriegel, MD
CEO, Co-Founder, Alleviant Medical a BioDesign Company

Childs Play: Novel Polymeric Transcatheter Heart Valve

Daniel Harrington, PhD
CSO, Co-Founder, PolyVascular a TMCx Company

DNA Sequencing In Microgravity: A FIRST

Kate Rubins, PhD
Astronaut, Molecular Biologist, NASA | Johnson Space Center

Lamborghini Skin & Space Adventures

Alessandro Grattoni, PhD
Chairman, Department of Nanomedicine, Houston Methodist Research Institute

Moon 101

Dean Eppler, PhD
Geologist, Rocket Scientist, Aerospace Corporation

3:00 – 3:15 PM **Break** – Roving Reporter Interviews

More To Explore!

3:15 – 5:00 PM

Update From The Land Of The Midnight Sun

Thor Ole Gulsrud, PhD
Director Research, Medtech IRIS, Executive Director, Norway Pumps & Pipes

Deploying The Neighbor's Toolkit: From Space to Medical Robotics

Tim Fielding, MS
Manager, Product Development, MDA Corporation

Don't Bug Me! The Intersection of Microbiology And The Oilfield

Victor Keasler, PhD
Director RD&E, NALCO Champion | An EcoLab Company

New Space: A Gold Rush Or Fools Errand?

Ed Swallow, MS
Senior Vice President, Aerospace Corporation

Pumps & Pipes STEAM Engine

Stephen Igo
Houston Methodist DeBakey Heart & Vascular Center

LIFTOFF: Houston Exponential

Richard Williams, PE
CEO, Houston Exponential