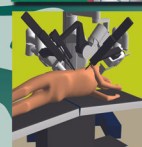
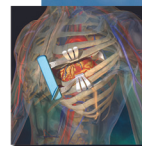


THE ISMICS



Boston

31 May - 3 June 2023

Omni Boston Hotel
at the Seaport
Boston (MA) USA

INSIDER

YOUR INSIDE LOOK AT THE ISMICS ANNUAL MEETING

2023 ISMICS Annual Meeting Issue B



A WARM WELCOME FROM THE ISMICS 2023 PRESIDENT VINOD THOURANI, MD

To my dear friends, colleagues, residents, fellows, and medical students,

I want to be the first to welcome you to Boston! I am beyond honored to have served at the ISMICS President this past year and very excited to see all the hard work and dedication of the leadership, program committee and program chairs all come together this week and to share it with you all as well. We have a great program this week along with a few new sessions I truly hope you will enjoy.

WELCOME TO "THE HUB" OF BOSTON!

Surrounded by history and multiple cultures, this fair city truly offers something for everyone: the "Freedom Trail" pathway of American historical landmarks which includes the USS Constitution or "Old Ironsides", the Tea Party Ship, the Paul Revere home, and the Bunker Hill Monument; the beautiful Boston Common and Public Garden overlooked by the gold-domed Massachusetts State House; the Charles River with the famed Boston Pops Orchestra's "Esplanade" on its banks; the Faneuil Hall marketplace; the Boston Red Sox home of Fenway Park; museums that include the Museum of Science, the Museum of Fine Arts, and the Isabella Stewart Gardner Museum (location of one of the most famous art thefts in history); and so much more - including restaurants and night life only a walking distance from the Omni Boston Hotel at the Seaport. Enjoy "Bahston"!

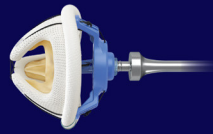


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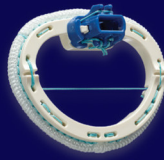
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Avalus™
Bioprosthesis



Bio-Medicus™ NextGen
Cannula

CARDIAC ROBOTIC INVESTIGATOR AWARD

Friday, 2 June 2023 | 11.30 - 11.45

Dr. Anna Xue received the first annual Cardiac Robotic Investigator Award in 2021 during the ISMICS Re-IMAGINED meeting.

Dr. Xue will provide attendees of the 2023 Annual Meeting with a recap from her week long fellowship at the University of Chicago Medicine on Friday morning, prior to the announcement of the 2023 recipient.

As a reminder the award recipient receives a \$3,000 award which will be used to cover travel expenses to visit the Robotic Cardiac Surgery Program at the University of Chicago Medicine for a week long fellowship for case observation and training within a year after the annual meeting.



SUBRAMANIAN INNOVATION 2023 AWARD RECIPIENT

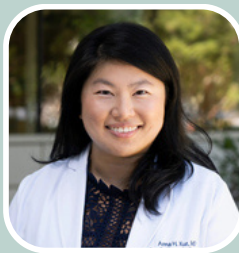
Rick Fischel, M.D., Ph.D (University of California Irvine)
*Percutaneous Lung Nodule Resection with Sealing Of Airways
And Blood Vessels in A Chronic Porcine Model*

Congratulations Dr. Fischel and Thank You Dr. Subramanian, from the International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS)!

Luncheon Symposia

Ensemble E
Friday, 2 June - 12.00

"10,000 Implant Perspective"
*How Impella 5.5 with Smart Assist
is Transforming Patient Outcomes.*



Dr. Danny Ramzy, Dr. David D'Alessandro
and Dr. Anna Xue will facilitate a
casebased discussion about protected
revascularization.

Supported by
 **ABIOMED**

Resident & Fellows Luncheon

FRIDAY, 2 JUNE 2023

12:00 - 13.25 Marquee

Supported by

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ePOSTER COMPETITION



FINAL ROUND

Ensemble D

Friday, 2 June - 15.00 - 16.00

First Round topic winners will give PowerPoint
presentations with time for Q&A.

Winner will receive \$500 USD

*ISMICS Best Poster Winners are
announced via email and the mobile app.*

KIT V. AROM LECTURESHIP

**Saturday, 3 June 2023
11.45 - 12.45**



JOSEPH BAVARIA, MD
Revolutionizing the World,
one TEVAR at a Time

EXHIBITION HALL HOURS AND FUNCTIONS

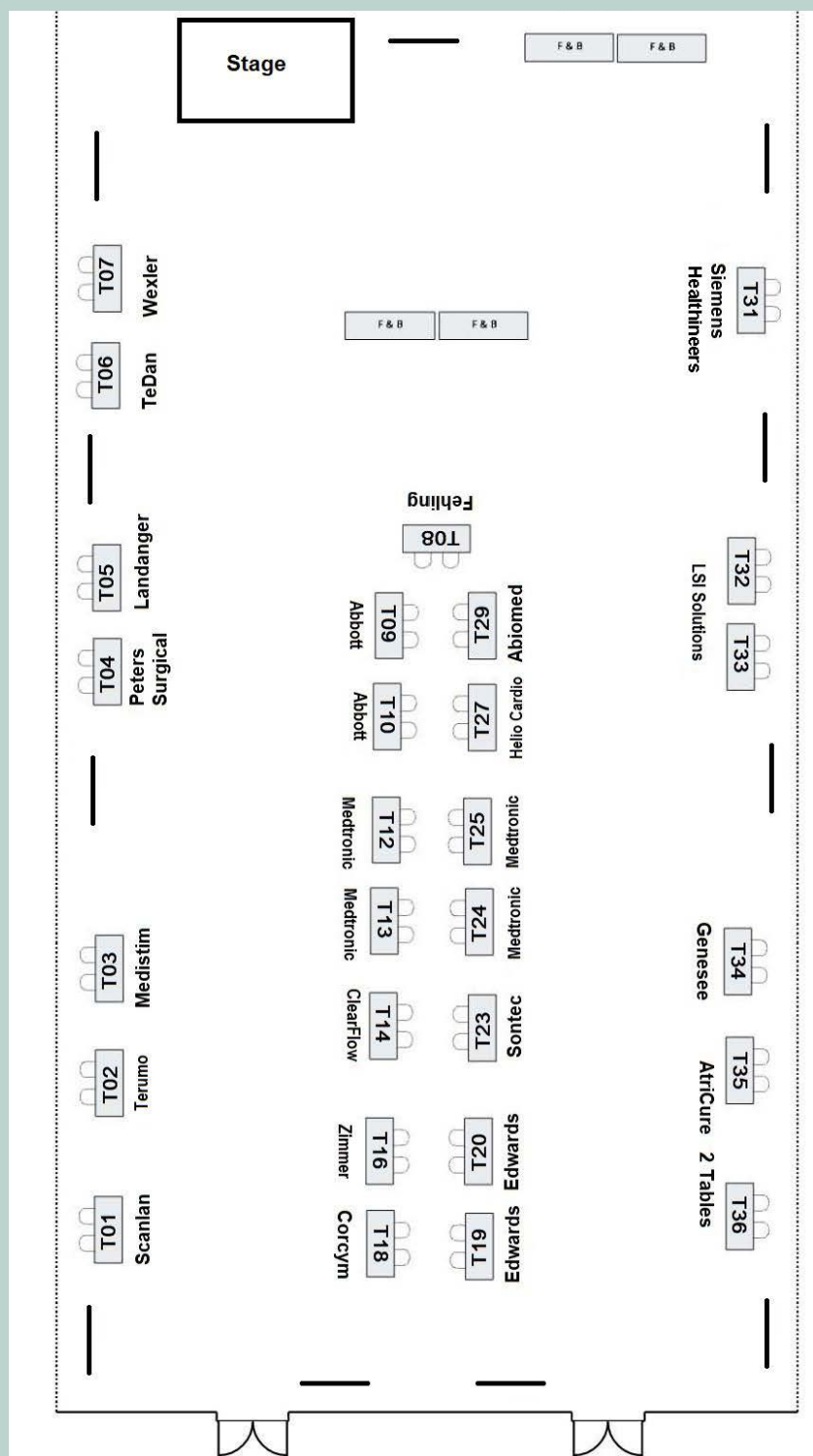
Friday: 2 June 2023: 7:30 AM – 6:15 PM (18:15)

Continental Breakfast: 7:30 AM – 8:00 AM

Coffee Break: 9:30 AM – 10:00 AM

Coffee Break: 3:45 PM (15:45) – 4:15 PM (16:15)

Poster Competition: 5:15 PM (17:15) – 6:15 PM (18:15)



The International Society for Minimally Invasive Cardiothoracic Surgery wishes to thank the following companies for their support of the ISMICS 2023 Annual Scientific Meeting:

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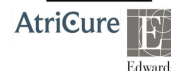
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located in meeting room Audition.
The suite will be open during exhibit hours
and all visitors will need to
sign a non-disclosure agreement.



ISMICS 2023 EXHIBITORS

Abbott (T09/T10)

From removing the regular pain of fingersticks as people manage their diabetes to connecting patients to doctors with real-time information monitoring their hearts, from easing chronic pain and movement disorders to testing half the world's blood donations to ensure a healthy supply, our purpose is to make the world a better place by bringing life-changing health technologies to the people who need them. That's our commitment to helping you live your best life. <https://www.cardiovascular.abbott/us/en/home.html>

Abiomed (T29)

Abiomed, Inc., part of Johnson & Johnson MedTech, is a leading provider of groundbreaking medical technology that provides circulatory and oxygenation support. The Impella® heart pump platform is designed to enable the heart to rest and recover by improving blood flow and/or temporarily assisting with the pumping function of the heart. <https://www.abiomed.com/>

AtriCure (T35/T36)

AtriCure, Inc. provides innovative technologies for the treatment of Afib and related conditions. Afib affects more than 37 million people worldwide. Electrophysiologists and cardiothoracic surgeons around the globe use AtriCure technologies for the treatment of Afib and reduction of Afib related complications. AtriCure's Isolator® Synergy™ Ablation System is the first medical device to receive FDA approval for the treatment of persistent Afib. AtriCure's AtriClip® Left Atrial Appendage Exclusion System products are the most widely sold LAA management devices worldwide. AtriCure's Hybrid AF™ Therapy is a minimally invasive procedure that provides a lasting solution for long-standing persistent Afib patients. AtriCure's cryoICE cryoSPHERE® probe is cleared for temporary ablation of peripheral nerves to block pain, providing pain relief in cardiac and thoracic procedures. For more information, visit [AtriCure.com](https://www.atricure.com/) or follow us on Twitter @AtriCure. <https://www.atricure.com/>

ClearFlow (T14)

ClearFlow's mission is to improve patient outcomes and reduce healthcare costs by developing advanced technologies that support Best Practices and Guidelines to prevent chest tube occlusions. ClearFlow's PleuraFlow® Active Clearance Technology®(ACT®) System is the only FDA cleared device indicated for the removal of retained blood and the proactive maintenance of chest tube patency after cardiac surgery. <https://clearflow.com/>

Corcym (T18)

Corcym offers a complete portfolio of surgical solutions with a heritage spanning more than 50 years, leveraging on a complete and distinctive set of technologies, capabilities and infrastructure. Our vision is to become the leading company dedicated to Heart Surgeons and their Patients by providing the best solutions to fight structural heart disease. Our mission is to help Heart Surgeons treat Patients better today and in the future. <https://corcym.com/>

Edwards Lifesciences (T19/T20)

Edwards Lifesciences is a global leader in patient-focused medical innovations for structural heart disease, as well as critical care and surgical monitoring. Driven by a passion to help patients, the company collaborates with the world's leading clinicians and researchers to address unmet healthcare needs, working to improve patient outcomes and enhance lives. <https://www.edwards.com/>

Fehling Surgical Instruments (T08)

Fehling is a traditional family-owned company with more than thirty years of experience manufacturing and distributing premium surgical instruments, including minimally invasive instruments and novel retractor systems. We strive to provide outstanding service and unmatched quality. <https://fehlingurgical.com/>

Genesee BioMedical (T34)

Genesee BioMedical located in Denver, CO has been shaping innovation in cardiac surgery for over 25 years. Partnering with surgeons to design and develop mitral and tricuspid valve annuloplasty rings and bands. We provide tools for minimally invasive and robotic procedures in addition to state-of-the-art retractors and coronary surgery accessories. <https://geneseebiomedical.com/>

Helios Cardio (T27)

Helios Cardio, a cardiac repair and regeneration company, introduces the CardiaMend pericardial and epicardial reconstruction matrix, providing cardiac surgeons with the most advanced implantable biomaterial available. Our aim is to reduce the most common complications of both open and minimally invasive heart surgery. Our focus is to reduce the incidence of postoperative atrial fibrillation to less than 10%. <https://www.heloscardio.com/>

Landanger SAS (T05)

You have trusted us since 1947. We were the first instrument manufacturing company to dare to visit you directly in your hospitals, operating rooms, sterilization departments. A tradition of generosity in listening to your needs, understanding your requests and suggestions, realizing from our hands the requirements formulated. <https://landanger.com>

LSI Solutions (T32/T33)

LSI SOLUTIONS® was founded in 1986 by our President & Chief Executive Officer, Jude S. Sauer, M.D., with a passion to focus on patient outcomes. What once started with a focus on laser tissue welding has evolved into a world renowned company dedicated to advancing minimally invasive therapeutics through research, development, manufacturing and marketing of proprietary products. <https://www.lsisolutions.com/>

Medistim (T03)

Medistim's proprietary products are regarded to be standard-of-care in most European countries and Japan, while market adoption is growing in the USA, Asia and the Middle East. In addition, Medistim in Norway represents about 100 different medical technology companies, as a distributor of their products in this country. We are a market leader within intra-operative transit time flow measurement (TTFM) and ultrasound imaging, providing the MiraQ™ system to the global market. These systems enable medical professionals to reduce risk and enhance quality of cardiac, vascular and transplant surgery. They provide clinically relevant information that empowers surgeons to make better-informed decisions in the operating room. Our devices are developed by working closely together with surgeons, who in turn have produced a growing amount of clinical data and studies that point to their efficacy and cost-effectiveness. Medistim is committed to continuing to serve the cardiac and vascular surgeons by investing in new product development. <https://medistim.com/>

Medtronic (T12/T13)

With 90,000-plus people in over 150 countries, we see extraordinary possibilities to further increase our positive impact in the world. We are committed to accelerating access to healthcare technology, advancing inclusion, diversity & equity, and protecting our planet. <https://www.medtronic.com>

Peters Surgical (T04)

Founded in 1926, Peters Surgical is a French company present in over 90 countries. Today, it is a reference group for surgical practice throughout the world. With its expertise in the design, manufacture and distribution of medical devices, Peters Surgical has chosen to deploy French know-how in all around the world by setting up local support teams and manufacturing plants. Close to the surgical teams, Peters Surgical offers a range of dedicated services to improve surgical practices and provide the best possible care for patients. <https://peters-surgical.com/>

Scanlan International (T01)

The highest quality surgical instruments have been designed and manufactured by the Scanlan Family since 1921. See our New Scanlan® Scanturian® MIS instruments, VATS Snake Dissector and M.D.® Retractor System. <https://www.scanlaninternational.com/>

Siemens Healthineers (T31)

When our health is at risk, we rely on physicians to make the best possible decisions - from quick, early diagnoses to the most effective treatments and follow-ups. By constantly bringing breakthrough innovations to market, we help healthcare professionals to deliver high-quality care, leading to the best possible outcome for patients. Our portfolio is at the center of clinical decision-making and treatment pathways. Patient-centered innovation has been and always will be at the core of our company. We aspire to create better outcomes and experiences for patients no matter where they live or what they are facing. We pioneer breakthroughs in healthcare. For everyone. Everywhere. This is why we give our best every day, to improve the lives of patients and their families. <https://www.siemens-healthineers.com/>

Sontec Instruments (T23)

Sontec Instruments, Inc. is a family owned & operated medical company, providing personalized service featuring the finest in surgical instrumentation for over half a century. Our office is located just outside the Mile High City of Denver, in Centennial, Colorado. Sontec Instruments offers a complete line of the finest surgical instrumentation for all specialties: Cardiovascular / Thoracic, Urological, Orthopedic, Arthroscopic, ENT, Colon & Rectal, Ophthalmic, Plastic Surgery, Dermal, Neurosurgical and Microsurgical. <https://sontecinstruments.com/>

TeDan Surgical Innovations (T06)

TeDan Surgical Innovations, Inc. (TSI) is a global leader in surgical access systems with a specialty focus in spine, neuro, orthopedic and cardiothoracic surgery. For over ten years, TSI has been at the forefront of innovation in surgical access and instrumentation recognized by global industry leaders, teaching institutions and clinician thought leaders around the world. <https://tedansurgical.com/>

Terumo (T02)

Currently, the Terumo Group includes three companies that operate in over 160 countries and regions around the world, providing patients, a variety of medical settings, and the pharmaceutical industry with over 50,000 products and services. The Terumo mission includes not only bringing patients more effective and less burdensome treatments, but also providing medical professionals with safety and peace of mind so they can focus on giving care and supporting the research that will create future healthcare. We face and work to understand the problems of medical settings so we can provide new value. <https://www.terumo.com/>

Wexler Surgical (T07)

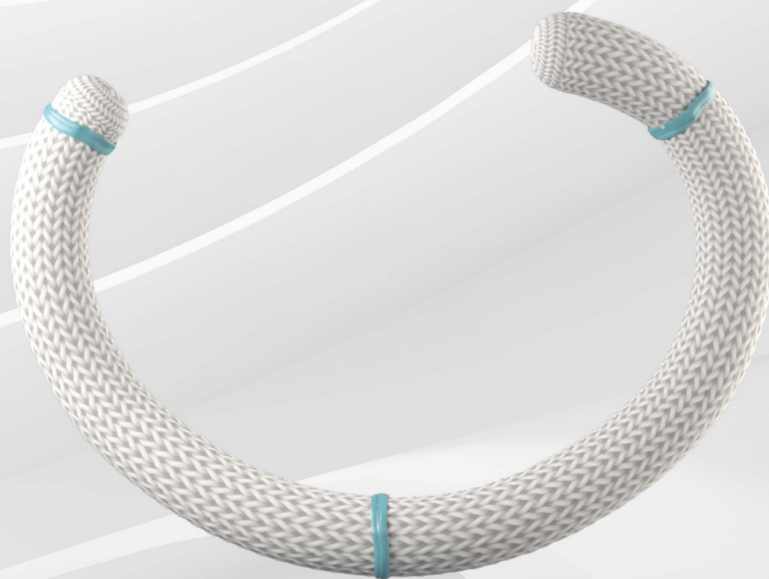
Wexler Surgical is proud to offer the highest quality specialty surgical instrumentation and products for Cardiovascular, Vascular, Micro, Thoracic, Neuro and Ophthalmic surgeries. In addition to our wide variety of instruments, we also offer metal and plastic instrument trays and products for instrument care. Wexler Surgical additionally provides an array of services that include: instrument customization, instrument repair, cross referencing, 30 day trials on our instruments and fantastic customer service which ranks among the top in the industry. <https://www.wexlersurgical.com/>

Zimmer Biomet (T16)

Founded in 1927 and headquartered in Warsaw, Indiana, Zimmer Biomet is a global leader in musculoskeletal healthcare. With operations in more than 25 countries around the world, we design, manufacture, and market a variety of implants and surgical products. Zimmer Biomet continues to be a leader in the thoracic space and has been for more than 25 years, specializing in chest wall reconstruction. <https://www.zimmerbiomet.com/en>

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Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery is the first journal whose main mission is to disseminate information specifically about advances in technology and techniques that lead to less invasive treatment of cardiothoracic and vascular disease. It delivers cutting edge original research, reviews, essays, case reports, and editorials from the pioneers and experts in the field of minimally invasive cardiothoracic and vascular disease, including biomedical engineers. Also included are papers presented at the annual **International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS)** meeting.

Editor-In-Chief:

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2022 Best Paper Award Recipients

Submitted **before** the 2022 Annual Meeting for \$2,000 Award.

Left Atrial Appendage Morphology and Course of the Circumferential Artery: Anatomical Implications for Left Atrial Appendage Occlusion Procedures

Jakub Batko, MD – Jagiellonian University Medical College, Krakow, Poland

Submitted **after** the 2022 Annual Meeting for \$1,000 Award.

Novel Automated Suturing Technology for Minimally Invasive Mitral Chord Implantation: A Pre-Clinical Evaluation Study

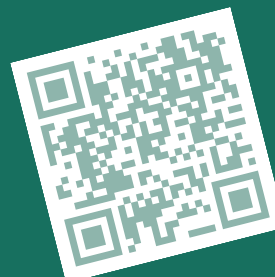
Paul Werner, MD – Medical University of Vienna, Austria

Attendee Reception

FRIDAY, 2 JUNE 2023

Join us for what is sure to be a perfect Boston summer sunset over the Seaport at **The Envoy Hotel, Lookout Rooftop Bar** on Friday evening!

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*Innovation, Technologies, and Techniques in
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