

# IDEAL Conference 2025:

## Innovations in Surgical Research, Bridging Science & Practice

9-10 June 2025, Houston Methodist Research Institute, Houston, Texas

### Program

#### DAY 1: MONDAY JUNE 9

Time	Activity	Speaker/Moderator
7:00 - 8:00 AM	Registration and Welcome Breakfast	
8:00 - 8:15 AM	Opening Remarks	Pedro T. Ramirez, MD
		Prof. Peter McCulloch
		Hani Marcus, MD
8:15 - 10:00 AM	<b>Session I Principles of IDEAL: Evaluating Surgical Innovation</b>	Hani Marcus, MD
		Mario Leitao, MD
8:15-8:45 AM	Origins and Current Status of IDEAL Collaboration	Prof. Peter McCulloch
8:45-9:00 AM	Using IDEAL in Different Settings of Surgical Investigation	Prof. Peter McCulloch
9:00-9:20 AM	ANVU Trial as a Success Story in Trial Design Using IDEAL	Prof. Andreas Obermair, MD
9:20-9:40 AM	Discussion	
9:40-10:00 AM	BREAK	
10:00-11:10 AM	<b>Session II Advancements in Surgical Innovation</b>	Pedro T Ramirez, MD
		Hani Marcus, MD
10:00-10:20 AM	Keynote Lecture: The Future of the Surgical Robot: Innovation, Evidence and Sustainability	Justin Dimick, MD
10:20-10:40 AM	Impact of AI and Machine Learning in Surgical Practice	Dan Donoho, MD
10:40-11:00 AM	Ethical Implications of AI on Surgery	Baptiste Vasey, MD, PhD
11:00-11:10 AM	Panel Discussion	

<b>11:10-12:00 NOON</b>	<b>Session III Surgical Training and Innovation: Opportunity for Implementation</b>	Behrouz Zand, MD
		Prof. Andreas Obermair, MD
11:10-11:30 AM	Innovation in Robotics Surgical Training: Future Tools for Learning	Austin Koh, MD
11:30-11:50 AM	Beyond the Scalpel: Mentoring Surgical Researchers Toward an Evidence-Based Future	Hani Marcus, MD
11:50-12:00 NOON	Discussion	
12:00-1:00 PM	LUNCH	
<b>1:00-2:20 PM</b>	<b>Session IV Innovation and Process of Integration: Concept to Reality</b>	Pedro T. Ramirez, MD
		Prof. Peter McCulloch
1:00-1:20 PM	Engaging Ecosystem to Propel Innovation: Medtech Startup Story	Homer Quintana, MD
1:20-1:40 PM	Merging Engineering and Medicine: The EnMed Program	Tristen Slamowitz , MD
1:40-2:00 PM	AI Innovation Projects in Gynecologic Oncology: Houston Methodist	Behrouz Zand, MD
2:00-2:20 PM	Discussion	
<b>2:20-3:20 PM</b>	<b>Session IV Oral Poster Presentations</b> Presentations (10 mins x 6 total)	Karolina Kilowski, MD
3:20-3:40 PM	BREAK	
3:40-4:00 PM	Poster Session & Exhibits (Walk-Through Presentations)	
7:00-10:00 PM	Speakers' Dinner	

**DAY 2: TUESDAY JUNE 10**

<b>Time</b>	<b>Activity</b>	<b>Moderators/Speaker</b>
<b>8:00 - 9:10 AM</b>	<b>Session I: Robotics Simulation: MIRIN</b>	
8:00-8:20 AM	Principles of MIRIN	Stuart Corr, PhD
8:15-8:45 AM	Holistic Evaluation of Robotic Innovation	<b>Moderators</b>
		Hani Marcus, MD
		Stuart Corr, PhD
		Alan Lumsden, MD
		<b>Panelists</b>
		Prof Peter McCulloch
		Homer Quintana, MD
		Charu Bavare, MD
Andreas Obermair, MD		
8:50-9:10 AM	Discussion	
<b>9:10-10:45 AM</b>	<b>Session II - Debate Sessions: Coming to Agreements on Surgical Trials</b>	<b>Karolina Kilowski, MD</b>
9:15-9:30 AM	Standardizing Surgery in Surgical Trials	PRO: Mario Leitao, MD (12 mins)
		CON: Charu Bavare (12 mins)
		Distillation: (6 minutes)
9:45-10:15 AM	“The Role of AI in Surgical Trial Design: Enhancer or Limitation?”	PRO: Behrouz Zand, MD (12 mins)
		CON: Einar Bogason, MD (12 mins)
		Distillation: (6 minutes)
10:15-10:45 AM	Real World Data: Value of Pragmatic Randomized Trials	PRO: Art Sedrakyan, MD (12 mins)
		CON: Pedro T Ramirez, MD (12 mins)
		Distillation: (6 minutes)
10:45-11:00 AM	BREAK	

<b>11:00-12:00 NOON</b>	<b>Session III - Collaboration in Surgical Trials: Opportunities and Challenges</b>	<b>Andreas Obermair, MD</b>
11:00-11:15 AM	Tools for Establishing a Multi-institutional Trial	Pedro T Ramirez, MD
11:15-11:30 AM	Designing and Conducting Clinically Integrated RCTs	Nestor Esnaola, MD
11:30-11:45 AM	Developing a Consensus for a Trial: An IDEAL 2b Study	Peter McCulloch, MD
11:45-12:00 NOON	Discussion	
12:00-1:00 PM	LUNCH	
<b>1:00-2:45 PM</b>	<b>Session IV - Global Perspectives: Surgical Innovation in Low Income Countries</b>	Pedro T Ramirez, MD
		Charu Bavare, MD
1:00-1:20 PM	Surgical Innovation in Low Resource Countries	Daniel Sanabria, MD
1:20-1:40 PM	How to Conduct Surgical Research in Latin America	David Isla, MD
1:40-2:00 PM	Discussion	
2:00-2:30 PM	Keynote Address:"Surgical Innovation at the Core of Human Impact"	Reitan Ribeiro, MD
2:30-2:45 PM	Discussion	
2:45-3:00 PM	Closing Remarks	