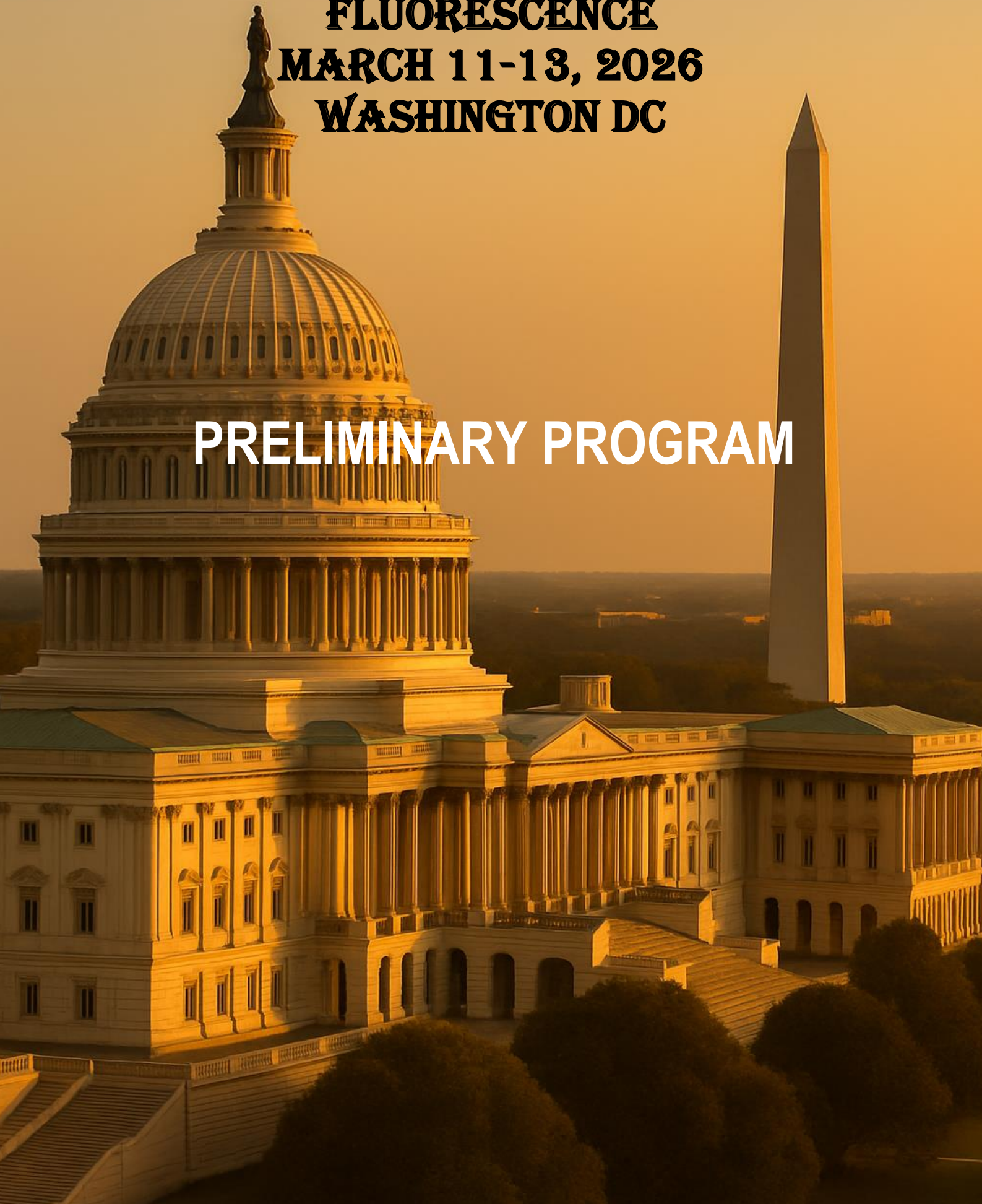


**8TH SYMPOSIUM ON PARATHYROID
FLUORESCENCE
MARCH 11-13, 2026
WASHINGTON DC**

PRELIMINARY PROGRAM





ORGANIZING COMMITTEES

CONFERENCE CHAIRS

Dr. Richard Cha
Dr. Salem Noureldine
Dr. Kaitlyn Frazier

LOCAL COMMITTEE

Dr. Chung Hyuk Park
Dr. Reza Monfaredi

ISITES COUNCIL COMMITTEE

Dr. Frederic Triponez
Dr. Quan-Yang Duh
Dr. Anita Mahadevan-Jansen
Dr. Richard Cha
Dr. Kerstin Lorenz
Dr. Saba Balasubramaian
Dr. Carmen Solórzano
Dr. Pablo Moreno Llorente

GENERAL INFORMATION

VENUE / GEORGE WASHINGTON UNIVERSITY & GW HOSPITAL

**THE GEORGE
WASHINGTON
UNIVERSITY**

WASHINGTON, DC

GW

HOSPITAL

George Washington University Science & Engineering Hall: 800 22nd St NW, Washington, DC 20052

George Washington University Hospital: 900 23rd St NW, Washington, DC 20037



**2026 ISITES ANNUAL CONFERENCE MEETING
(8TH SYMPOSIUM ON PARATHYROID FLUORESCENCE)
MARCH 11-13, 2026**



**ISITES 2026 Conference Program-at-a-Glance
March 11 - 13, 2026**

George Washington University, Washington, DC

Time	Wednesday (3/11)	Thursday (3/12)	Friday (3/13)
8.00-8.30	Session 1. Live Surgery (GW Hospital Auditorium)	Light Breakfast	Light Breakfast
8.30-10.00		Session 7. Parathyroid Gland	Session 12. Tumor Margins, NETs etc.
10.00-10.30		Coffee Break	Coffee Break
10.30-12.00	Session 2. Live Video Demo (GW Hospital Auditorium)	Session 8: Panel: 1) Cost Effectiveness, 2) Imaging vs. Probe	Session 13. AI/Robotics in Endocrine Surgery
12.00-13.00	Registration and lunch	Lunch	Lunch
13.00-13.30	Session 3. Basics of Endocrinology and Endocrine Surgery (GW SEH Lehman Auditorium)		Session 14. Animal Models and Organoids in Endocrine Surgery
13.30-15.00	Session 4. Challenges in Endocrine Surgery (GW SEH Lehman Auditorium)		Session 15. Abstracts II
15.00-15.30	Coffee Break	Coffee Break	Session 16. Panel: Surgeons and Engineers Working Together
15.30-16.30	Session 5. Basics of Optics in Surgery (GW SEH Lehman Auditorium)	Session 10. Nerve repair/injury	END
16.30-18.00	Session 6. Industry Workshops (GW RossHall WISER Lab)	Session 11. Therapies in Endocrine Surgery (ablation etc)	
18:00	Welcome Reception (GW SEH Lehman Auditorium)	ISITES 2026 Business Meeting	
19:00		Conference Dinner (Sequoia DC)	

Organizers:

Conference Chair: Richard Cha (Children's National / GW-SMHS)

Conference Co-Chairs: Salem Noureldine (GW-SMHS) and Kaitlyn Frazier (JHMI)

Local Chairs: Chung Hyuk Park (GW-BME), Reza Monfaredi (Children's National/GW-SMHS)

Conference Committee – Anita Mahadevan-Janesen (Vanderbilt), Quan-Yang Duh (UCSF), Kerstin Lorenz (University of Halle), Pablo Moreno Llorente (Hospital Universitario de Bellvitge), Carmen Solórzano (Vanderbilt), Saba Balasubramanian (Sheffield Teaching Hospitals NHS Foundation Trust), and Frédéric Triponez (University Hospital of Geneva).



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ISITES 2026 Conference Program Book

March 11 - 13, 2026

George Washington University, Washington, DC

Program Schedule

Day 1 — Wednesday, March 11

Time	Event	Location
8:00 AM – 12:00 PM	Session 1 & 2 – Live Surgery and Video Demos	GW Hospital Auditorium
12:00 PM – 1:00 PM	Registration & Lunch	GW SEH Lehman Auditorium
1:00 PM – 1:40 PM	Opening Remarks & Session 3 – Basics of Endocrinology	GW SEH Lehman Auditorium
1:40 PM – 2:55 PM	Session 4 – Challenges in Endocrine Surgery	GW SEH Lehman Auditorium
3:00 PM – 3:30 PM	Coffee Break	Main Foyer
3:30 PM – 4:00 PM	Session 5 – Basics of Optics in Surgery	GW SEH Lehman Auditorium
4:00 PM – 6:00 PM	Session 6 – Industry Workshops	GW ROSS HALL (WISER LAB)
6:00 PM – 7:00 PM	Welcome Reception	TBD

Day 2 — Thursday, March 12

Time	Event	Location
8:00 AM – 8:30 AM	Breakfast	GW SEH Lehman Auditorium
8:30 AM – 10:45 AM	Session 7 – Parathyroid Gland	GW SEH Lehman Auditorium
10:45 AM – 11:00 AM	Coffee Break	Main Foyer
11:00 AM – 12:15 PM	Session 8 – Panel discussions on 1) Cost Effectiveness of NIRAF, 2) Imaging versus Probe	GW SEH Lehman Auditorium
12:15 PM – 1:30 PM	Lunch	Main Foyer
1:30 PM – 3:00 PM	Session 9 – Abstract I	GW SEH Lehman Auditorium
3:00 PM – 3:30 PM	Coffee Break	Main Foyer
3:30 PM – 4:30 PM	Session 10 – Nerve Injury/Repair	GW SEH Lehman Auditorium
4:30 PM – 5:45 PM	Session 11 – Therapies in Endocrine Surgery	GW SEH Lehman Auditorium
5:45 PM – 6:00 PM	ISITES Business Meeting	GW SEH Lehman Auditorium
7:00 PM – 9:00 PM	Congress Gala Dinner	Sequoia DC

Day 3 — Friday, March 13

Time	Event	Location
8:00 AM – 8:30 AM	Breakfast	GW SEH Lehman Auditorium
8:30 AM – 10:00 AM	Session 12 – Tumor Margins / Other Endocrine Tumors	GW SEH Lehman Auditorium
10:00 AM – 10:30 AM	Coffee Break	Main Foyer
10:30 AM – 12:00 PM	Session 13 – Autonomous Robotic Surgery & AI analysis	GW SEH Lehman Auditorium
12:00 PM – 1:00 PM	Lunch	Main Foyer
1:00 PM – 2:00 PM	Session 14 – Animal models and organoids in Endocrine Surgery	GW SEH Lehman Auditorium
2:00 PM – 3:30 PM	Session 15 – Abstracts II	GW SEH Lehman Auditorium
3:30 PM – 4:00 PM	Session 16 – Panel discussions: Future prospects in Endocrine Surgery (Engineers & Surgeons Working Together) & Closing	GW SEH Lehman Auditorium



Wednesday, March 11, 2026 – GW Hospital & GW SEH Lehman Auditorium

Time	Session / Talk Details
8:00 AM	GW Hospital Auditorium SESSION 1: Live Surgery Moderator: <i>Carmen Solórzano</i> • Live Surgery by <i>Salem Noureldine</i> SESSION 2: Live Surgery and Video Demos Moderator: <i>Carmen Solórzano</i> • Live Surgery by <i>Salem Noureldine</i> • Selected Video Demos – <i>Pablo Moreno Llorente</i>
12:00 PM	GW SEH Lehman Auditorium Registration & Lunch
1:00 PM	Inauguration & Welcome – <i>Anita Mahadevan-Jansen & Richard Cha</i>
1:10 PM	SESSION 3: Basics of Endocrinology and Endocrine Surgery (10' talk + 5' Q&A) Moderator: <i>Quan-Yang Duh</i> • Thyroid and parathyroid anatomy – <i>Lilah Morris-Wiseman (15')</i> • Updates in management of hypoparathyroidism – <i>Chelsey Baldwin (15')</i>
1:40 PM	SESSION 4: Challenges in Endocrine Surgery (10' talk + 5' Q&A) Moderator: <i>Anita Mahadevan-Jansen</i> • Challenges in recurrent thyroid cancer – <i>Kerstin Lorenz (15')</i> • Challenges in managing nerve injuries – <i>Greg Randolph (15')</i> • Management of the difficult parathyroidectomy – <i>Aarti Mathur (15')</i> • Challenges in neuroendocrine tumors – <i>Daniel A. Donoho (15')</i> • Challenges in autotransplantation – <i>Saba Balasubramanian (15')</i>
3:00 PM	Coffee Break
3:30 PM	SESSION 5: Basics of Optics in Surgery (10' talk + 5' Q&A) Moderator: <i>Justin Baba</i> • Label free methods for fluorescence detection in surgery – <i>Paul Lee (15')</i> • Labeled methods for fluorescence guided surgery – <i>Richard Cha (15')</i>
4:00 PM	SESSION 6: Industry Workshops (TBA)
6:00 PM	Welcome Reception



Thursday, March 12, 2026 – GW SEH Lehman Auditorium

Time	Session / Talk Details
8:00 AM	Light Breakfast & Morning Beverage Station
8:30 AM	SESSION 7: Parathyroid Gland (10' talk + 5' Q&A) Moderator: <i>Michael Singer</i> • NIRAF + ICG clinical trial – <i>Sanne Michaelson (15')</i> • NIRAF a randomized monocentric trial – <i>Samuel Frey (15')</i> • Parathyroid vascular anatomy (PARATLAS Study) – <i>Fares Benmiloud (15')</i> • NIFTy trial results – <i>Saba Balasubramanian (15')</i> • Robotic surgery with ICG imaging – <i>Jin Wook Yi (15')</i> • IDF illumination microscopy for parathyroid perfusion assessment – <i>Ting-Chun(Tina) Kuo (15')</i>
10:00 AM	Coffee Break
10:30 AM	SESSION 8: Panel Discussions Moderators: <i>Fred Triponez</i> • Panel on cost effectiveness & global reach of (20') • Panel on imaging versus probe (20')
12:15 PM	Lunch
1:30 PM	SESSION 9: Abstracts I (6' talk + 4' Q&A) Moderator: <i>Quan-Yang Duh</i> 1. ICG alters intraoperative PTH measurements: a timing dependent effect – <i>Shih Ming Huang</i> 2. Predicting Tissue Viability With Laser Speckle Contrast Imaging - A Quantitative Assessment and Survival Study in Rats – <i>Bo Ning</i> 3. Impact of combined use of NIRAF and ICG in thyroid cancer to decrease postoperative hypoparathyroidism – <i>Gianluca Donatini</i> 4. From Mapping to Perfusion: The Role of Preoperative Ultrasound integrated with Intraoperative Fluorescence in Parathyroid Preservation During Thyroid Surgery – <i>Jose Higino Steck</i> 6. Improving Intraoperative Nerve Identification Through Clinically Informed AI Retraining – <i>Aidan Itai Schurr</i> 7. Multimodal Imaging with Augmented Reality Glasses in Endocrine Neck Surgery – <i>Parker Willmon</i>
3:00 PM	Coffee Break
3:30 PM	SESSION 10: Nerve Injury/Repair/Brain (10' talk + 5' Q&A) Moderator: <i>Greg Randolph</i> • Nerve imaging and repair with optical spectroscopy – <i>Anita Mahadevan-Jansen (15')</i> • Phase I trial for visualizing nerves – <i>Quyen Nguyen (15')</i> • Polarization nerve imaging - first in human studies (in vivo trial) – <i>Justin Baba (15')</i> • DCS (Diffuse Correlation Spectroscopy) for neuromonitoring – <i>Paul Lee (15')</i>
4:30 PM	SESSION 11: Therapies in Endocrine Surgery (10' talk + 5' Q&A) Moderator: <i>Pablo Moreno Llorente</i> • Benign non-functional thyroid nodules - why operate anymore? – <i>Leo Rangel (15')</i> • Thermal ablative therapies in low-risk thyroid cancer – <i>Jennifer Kuo (15')</i> • Thyroid arterial embolization therapy – <i>Lutske Lodewijk (15')</i> • Autonomous function thyroid nodules _ non-surgical ablation – <i>Juan Pablo Dueñas (15')</i> • nsPFA for DTC - basis for clinical trial – <i>Ralph P. Tufano (15')</i>
5:45 PM	ISITES Business Meeting – <i>Anita Mahadevan-Jansen</i>
7:00 PM	Conference Dinner – The Sequoia DC



Friday, March 13, 2026 – GW SEH Lehman Auditorium

Time	Session / Talk Details
8:00 AM	Light Breakfast & Morning Beverage Station
8:30 AM	SESSION 12: Tumor Margins, NETs etc. (10' talk + 5' Q&A) Moderator: <i>Salem Noureldine</i> • NET with NIRAF (imaging & probe) – <i>Parker Willmon(15')</i> & <i>Eren Berber (15')</i> • Pancreatic cancer margin assessment with fluorescence dye –<i>Michael Bouvet (15')</i> • Dynamic optical contrast imaging of thyroid cancer –<i>Maie St John (15')</i> • In Vivo Demonstration of Deep Learning-Based Photoacoustic Visual Servoing System –<i>Muinatu (Bisi) Bell (15')</i>
10:00 AM	Coffee Break
10:30 AM	SESSION 13: Autonomous Robotic Surgery & AI analysis (10' talk + 5' Q&A) Moderator: <i>Chung Hyuk Park</i> • Autonomous robotic surgery – <i>Kevin Cleary (15')</i> • Intraoperative three-dimensional scanning of H&N surgical defects – <i>Mark Urken (15')</i> • MRI-compatible robot for neurosurgical procedures (BrainBot) – <i>Reza Monfaredi (15')</i> • AI analysis of parathyroid glands – <i>Tina Kuo (15')</i> • AI analysis of pituitary gland tumor – <i>Daniel A. Donoho & Naomi Kifle (15')</i>
12:00 PM	Lunch
1:00 PM	SESSION 14: Animal models and organoids in Endocrine Surgery (10' talk + 5' Q&A) Moderators: <i>Michael Bouvet & Ting-Chun (Tina) Kuo</i> • Rodent & Porcine models for H&N surgery – <i>Bo Ning(15')</i> • TBD – (15'') • Nerve injury animal model (pigs RLN) in thyroid surgery – <i>Katrin Brauckhoff (15')</i> • NIRF imaging of thyroid cancer in orthotopic mouse models – <i>Michael Bouvet (15')</i>
2:00 PM	SESSION 15: Abstracts II (6' talk + 4' Q&A) Moderator: <i>Quan-Yang Duh</i> 7. Use of near-infrared autofluorescence (AF) patterns in targeted parathyroidectomy for primary hyperparathyroidism to replace frozen section and intraoperative parathyroid hormone analysis – <i>Gianluca Donatini</i> 8. Parathyroid identification during thyroid surgery – insight from detailed documentation of intra-operative findings and the role of near infra-red fluorescence – <i>Saba Balasubramanian</i> 9. Human parathyroid cells harbor functional circadian clocks that orchestrate parathormone secretion – <i>Volodymyr Petrenko</i> 10. Using optical imaging to count the adding damage of inferior parathyroid is thymus preserving central LN dissection – <i>Shih Ming Huang</i> 11. Objective Intraoperative Quantification of Parathyroid Fluorescence Using the SPY-PHI QP System – <i>Blackberrie Eddins</i> 12. Transaxillary thyroidectomy in the surgical treatment of nodular goitre - a single centre experience – <i>Nurdaulet Talen</i> 13. The role of ROLL in parathyroidectomy: a single centre retrospective study of surgical and biochemical outcomes – <i>Cecilia Gozzo</i> 14. Intraoperative Fluorescence Differences Between Normal and Abnormal Parathyroid Glands: Preliminary Findings – <i>Thai M Bui</i>
3:30PM	SESSION 16: Panel Discussions Moderators: <i>Kaitlyn Frazier</i> • Future prospects in Endocrine Surgery (Engineers and Surgeons)
4:00 PM	End of the conference