

107<sup>th</sup> ANNUAL  
MEETING

Seattle  
WASHINGTON

Precision and Progress: Advancing Cancer Care in the Era of Personalized Medicine



APRIL 3-6  
2025

GRAND HYATT  
SEATTLE

## 107th Annual Meeting Program

**WEDNESDAY, April 2, 2025**

**2:30–5:30 PM** Registration Open

Leonesa Foyer

**THURSDAY, April 3, 2025****6:00 AM–3:00 PM / 5:30–7:00 PM** Registration Open

Leonesa Foyer

**6:00–6:45 AM** Breakfast with Exhibitors

Princesa and Leonesa Foyer

**6:45–7:00 AM** Introduction Ramesh Rengan and Eric Chang

Leonesa Ballroom

**7:00–8:00 AM** Education Session 1: GU

Leonesa Ballroom

Moderators - Hillary Bagshaw &amp; Osama Mohamad

AUC Committee Update – Karen HoffmanSession 1: Management of prostate cancer in sexual and gender minority – Daniel DicksteinSession 2: Genomics and Pathology AI to Personalize Systemic Therapy in Prostate Cancer

– Paul Nguyen

Oral Abstract 1: A pooled analysis of the SOLAR and SATURN clinical trials comparing the progression of de novo vs recurrent PSMA-defined oligo-M1 prostate cancer following systemic therapy and tumor-directed therapy – Michelle EalaOral Abstract 2: Definitive Management for Renal Cell Carcinoma using Stereotactic Body Radiation Therapy (SBRT) with and without real-time MRI Guidance - Colin Harari**8:05–9:05 AM** Education Session 2: CNS

Leonesa Ballroom

Moderators – Martin Tom &amp; Eric Lehrer

AUC Committee Update – Mike MilanoSession 1: Systemic Therapy for Brain Metastases – Seema NagpalSession 2: Novel imaging in treatment planning for CNS tumors – Joshua PalmerOral Abstract 1: Incidence of Rapid Early Progression (REP) and Rapid Early Response (RER) in Patients with Newly Diagnosed GBM Undergoing Resection and Immediate Post Resection Brachytherapy on a Prospective Trial – Lindsey SloanOral Abstract 2: The utility of 68Ga-DOTATATE PET in single-fraction or hypofractionated stereotactic radiosurgery for atypical meningiomas - Bin Gui **\*Travel Grant Awardee**Oral Abstract 3: Prospective Validation of An Inpatient Metastatic Spine Neoplasm Score To Assess the Optimal Radiation Therapy Intervention Modality - Shearwood McClelland III**9:10–10:10 AM** Education Session 3: Thoracic

Leonesa Ballroom

Moderators – Quynh Nguyen, Mike Milano, and Puneeth Iyengar

AUC Committee Update – Charles SimoneSession 1: Oligometastatic Disease and Local Therapy – Puneeth Iyengar and Michael MilanoSession 2: Integration of immunotherapy into radiotherapy for lung cancer – Stephun ChunOral Abstract 1: Suitability of Metastatic Lung Cancer for PET-Guided Radiotherapy: A Representative Sampling of NSCLC Patients at Staging - Ottar SchmitzOral Abstract 2: Disparities in Actionable Mutations and *Survival* Outcomes in Metastatic Non-Small Cell Lung Cancer: A Focus on Age, Sex, and Race - Cesar MarquezOral Abstract 3: Enhancing the Immunogenicity of Non-Small-Cell Lung Cancer With Preoperative Pembrolizumab +/- Stereotactic Radiotherapy: Final Results of a Randomized Phase II Study (PembroX) - Mia Salans**10:10–10:25 AM** Coffee Break with Exhibitors

Princesa and Leonesa Foyer

**10:25–11:25 AM** Education Session 4: Breast

Leonesa Ballroom

Moderators – Isabelle Choi &amp; Naamit Gerber

AUC Committee Update – Isabelle ChoiSession 1: Biologically informed radiotherapy for breast cancer – Melissa MitchellSession 2: Locally Advanced Breast Cancer- De-escalation of local therapy – Parul Barry



Oral Abstract 1: Effectiveness of regional nodal irradiation in B51 breast cancer patients without pCR in the breast - Camille Hady Abeloos

Oral Abstract 2: Clinical Hypothyroidism after Proton vs. Photon Regional Nodal Irradiation: Is Modality or Dose Exposure More Important? - Shane Neibart **\*Travel Grant Awardee**

Oral Abstract 3: Optimizing Preventive Adjuvant Linac-Based (OPAL) Radiation: Final Results of a Phase II Trial of Daily Partial Breast Irradiation - Forrest Kwong **\*Travel Grant Awardee and James D. Cox Award of Scientific Merit**

**11:30–12:15 PM** Special Session: Biological Markers for Precision Head and Neck Oncology  
– Nancy Lee

Leonesa Ballroom

**12:15–1:15 PM** IBA Industry Lunch Symposium - Proton Therapy and Future Advanced Technologies - Ramesh Rengan, Jim Metz, and Frederic Genin

Eliza Anderson Ampitheatre

**1:20–1:50 PM** Debate Session #1: Surgery + SBRT vs SBRT for MESCC – Arjun Sahgal and Larry Rhines

Leonesa Ballroom

Moderator - Mike Milano

**1:50–2:20 PM** Special Session: Radiation Oncology Practice – Sameer Keole, ASTRO President

Leonesa Ballroom

**2:20–2:50 PM** Special Session: Vivek Kavadi, ASTRO CEO

Leonesa Ballroom

**3:00–4:00 PM** AUC Brain Committee

Discovery B

**4:00–5:00 PM** AUC Breast Committee

Discovery A

**4:00–5:00 PM** AUC GI Committee

Discovery B

**4:00–5:00 PM** AUC GU Committee

Blewett Suite

**6:00–7:00 PM** Poster Session 1

Leonesa Foyer

AI in Radiation Oncology

Breast Cancers

Gastrointestinal Cancer 1

Gastrointestinal Cancer 2

Genitourinary Cancer

Gynecologic Cancer

Head and Neck Cancer/Skin Cancer

Miscellaneous

Primary CNS Tumors

Thoracic Cancers

**7:00–8:30 PM** Welcome Reception

Princesa and Leonesa Foyer

With Ramesh Rengan, Eric Chang, Seattle Deputy Mayor Greg Wong

**FRIDAY, April 4, 2025****6:00 AM–1:00 PM / 5:30–7:00 PM** Registration Open

Leonesa Foyer

**6:00–7:00 AM** Breakfast with Exhibitors

Princesa and Leonesa Foyer

**7:00–8:00 AM** Education Session 5: GI

Leonesa Ballroom

Moderators – Krishan Jethwa &amp; Leila Tchelebi

AUC Committee Update - Krishan JethwaSession 1: Multidisciplinary Management of Liver Oligometastases – Sandeep Vaidya, Navesh Sharma, and Gerard AboodOral Abstract 1: Patient-reported quality of life outcomes after stereotactic body radiation vs. intensity-modulated radiation for the treatment of locally advanced pancreatic cancer in a phase 3 trial - Daniel Cherry \*Travel Grant AwardeeOral Abstract 2: Evaluating the Role of Metabolic Imaging Response Parameters in Locally Advanced Pancreatic Cancer Patients – Pranit Singh**8:05–9:05 AM** Education Session 6: Lymphoma/ Hematology/ Sarcoma/ Pediatrics

Leonesa Ballroom

Moderators – Jillian Gunther &amp; Arnold Paulino

AUC Committee Update – Timothy RobinsonSession 1: The role of radiotherapy in the context of CAR-T cell therapy – Penny FangSession 2: Updates in Pediatric Radiation Oncology – Andrew ArifinOral Abstract 1: Treatment kinetics and local response during and after bridging radiotherapy prior to CAR-T cell therapy for lymphomas - Daniella KlebanerOral Abstract 2: Differential Impact of Total Body Irradiation- Versus Chemotherapy-Based Myeloablative Conditioning on Oral Microbiota and Mucositis After Allogeneic Transplantation - Maryam Ebadi \*Early Career Oncologist AwardeeOral Abstract 3: Spatially fractionated radiation therapy for palliation of large or deep-seated pediatric tumors using lattice technique - Brittney Chau**9:10–9:40 AM** Keynote: Radiotherapy across The Pond: Lessons from a small Country – Ben Slotman

Leonesa Ballroom

**9:45–10:45 AM** Education Session 7: Palliative Radiotherapy

Leonesa Ballroom

Moderators – Lindsey Sloan &amp; Parul Barry

AUC Committee Update – Josh JonesSession 1: The modern management of non-spine bone metastases – Lauren HertanSession 2: The role of radiopharmaceuticals in palliative oncology – Michael FolkertOral Abstract 1: Stratifying Treatment Response to Stereotactic Spine Radiosurgery Based on Primary Tumor Site Genomic Mutations in Spinal Metastases - Areeba Al-SharfeenOral Abstract 2: Hope vs. Reality: Rethinking Whole Brain Radiation Therapy for Hospitalized Patients with Leptomeningeal Disease - Yarelis Roque-ReyesOral Abstract 3: Hematologic toxicities in adult patients with solid tumor leptomeningeal disease treated with proton- versus volumetric modulated arc therapy-based craniospinal irradiation - Richard Ngo**10:45–11:00 AM** Coffee Break with Exhibitors

Princesa and Leonesa Foyer

**11:00–11:30 AM** Presidential Lecture: Personal Observations From My 25-year Journey

Leonesa Ballroom

In Academic Medicine: How I Hoped to Change and Improve Medical Practice – Eric Chang

**11:30–12:00 AM** Debate Session #2: PCI for Small Cell Lung Cancer or No PCI – Ben Slotman

Leonesa Ballroom

and Martin Edelman

Moderator – Martin Tom

**12:05–1:05 PM** Varian Industry Lunch Symposium - From Poster to Paradigm: Fifteen

Eliza Anderson Ampitheatre

Years of Single Isocenter Brain Metastasis Radiosurgery-Then, Now, and Beyond - Evan Thomas

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**3:30–4:00 PM** ROCKET Meet and Greet

Portland Room

**4:00–6:00 PM** ROCKET Job Kickoff

Portland Room

**2:00–3:00 PM** AUC Thoracic Committee

Discovery A

**2:00–3:00 PM** AUC Lymphoma Committee

Discovery B

**4:00–5:00 PM** AUC GYN Committee

Discovery A

**5:00–6:00 PM** AUC Palliation Committee

Discovery A

**6:00–7:00 PM** Drinks & Poster Session 2

Leonesa Foyer

Education

Palliation

Breast Cancers

Head and Neck Cancer/Skin Cancer

Lymphoma/Hematologic Malignancies/Pediatric

Primary CNS Tumors

Radiation Biology and Medical Physics

**7:00–8:30 PM** Resident vs. Faculty Jeopardy

Eliza Anderson Ampitheatre

Moderators – Join Luh and Raymond Schulz



**SATURDAY, April 5, 2025**

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| <b>6:00 AM–1:00 PM</b> Registration Open                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Leonesa Foyer               |
| <b>6:00–7:00 AM</b> Breakfast with Exhibitors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Princesa and Leonesa Foyer  |
| <b>7:00–8:00 AM</b> <u>Education Session 8: Head and Neck and Skin</u><br>Moderators – Jared Robbins and Jack Phan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Leonesa Ballroom            |
| <u>AUC Committee Update</u> – Matt Ward<br><u>Session 1:</u> De-escalation of therapy in HPV positive oropharyngeal cancer – Kenneth Hu<br><u>Session 2:</u> The incorporation of immunotherapy into radiotherapy for head and neck cancer – Sue Yom<br><u>Oral Abstract 1:</u> Prognostic Implications of Detectable Postoperative Tumor Tissue-Modified HPV DNA in Patients With p16+ Oropharyngeal Squamous Cell Carcinoma Treated With De-intensified Adjuvant Radiation - Matthew Riina<br><u>Oral Abstract 2:</u> Wound Complications in Skin Graft Versus Flap Reconstruction for Skin Cancers Treated with Adjuvant Radiation Therapy - Rachel Sabol<br><u>Oral Abstract 3:</u> Failure rates in squamous cell carcinoma of the head and neck with different radiation doses to elective nodal regions - Anna Willingham |                             |
| <b>8:05–9:05 AM</b> <u>Education Session 9: Biology and Physics</u><br>Moderators – Carrie Glide-Hurst & Indrin Chetty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Leonesa Ballroom            |
| <u>Session 1:</u> Radiation Biology and Physics Debate: The future of adaptive is MR-guided vs. proton-guided – Maria Bellon and Shannon O'Reilly<br><u>Session 2:</u> Radiation Biology and Physics: Role of large language models in RadOnc - Kundan Thind<br><u>Oral Abstract 1:</u> Spot-Scanning Confocal Photon Beams for Hypofractionated Brain Radiosurgery - Lijun Ma<br><u>Oral Abstract 2:</u> Clonogenic Cell Survival Following In Vitro Irradiation Using Open Versus 2-Dimensional GRID Field Spatially Fractionated Radiotherapy of Murine Lymphoma, Breast and Renal carcinoma - Justin Park<br><u>Oral Abstract 3:</u> Artificial Intelligence Auto Contouring and its Impact on Resident Education - Alexander Qian                                                                                           |                             |
| <b>9:10–10:10 AM</b> <u>Special Session:</u> QA and Safety in Radiation Oncology – Eric Ford, Susan Richardson and Jing Zeng                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Leonesa Ballroom            |
| <b>10:10–10:30 AM</b> Coffee Break with Exhibitors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Princesa and Leonesa Foyer  |
| <b>10:30–11:15 AM</b> <u>Janeway Lecture Presentation:</u> Pushing the Boundaries in the Treatment of Glioma – an Interdisciplinary Endeavor - Roger Stupp<br>Janeway Medal presented by Eric Chang                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Leonesa Ballroom            |
| <b>11:15–11:30 AM</b> <u>Gold Medal Award:</u> Peter Johnstone<br>Gold Medal presented by Arnold Paulino                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Leonesa Ballroom            |
| <b>11:30–12:00 PM</b> <u>Annual Business Meeting</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Leonesa Ballroom            |
| <b>12:05–1:05 PM</b> GammaTile Industry Lunch Symposium - Advancing Brain Tumor Treatment with GammaTile Tile-Based Radiation Therapy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Eliza Anderson Amphitheatre |
| <b>1:10 PM–5:00 PM</b> ROCKET Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Portland Room               |
| <u>Session 1:</u> Stump the Professor – Roger Stupp<br><u>Session 2:</u> Successful Job Search – Ramesh Rengan<br><u>Coffee Break with Past ARS Presidents:</u> J Metz, J Beitler, T Buchholz, S Yom, E Chang, S Terazakis, P. Harari add more names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                             |

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Session 3: How to Become an Effective Leader – Ben Slotman

Session 4: In Search of Joy and Meaning in Modern Medicine – Rahul Tendulkar

**3:00–4:00 PM** AUC Unsealed Sources Committee

**4:00–5:00 PM** AUC Head and Neck Committee

Blewett Suite

Blewett Suite

**SUNDAY, April 6, 2025****6:00 AM–10:30 AM** Registration Open

Leonesa Foyer

**6:00–7:00 AM** Breakfast with Exhibitors

Princesa and Leonesa Foyer

**7:00–8:00 AM** Education Session 10: GYN

Leonesa Ballroom

Moderators – Idalid Franco &amp; Shauna McVorrn

AUC Committee Update – Lorraine PortelanceSession 1: The combination of immunotherapy and radiotherapy in gynecologic cancer – Ivy FrancoSession 2: Strategies to navigate through difficult cases in gynecology HDR brachytherapy

- Tracy Sherertz

Oral Abstract 1: A Call to Action in Bridging the Disparity Gap Between Radiotherapy Resources and Endometrial Cancer Mortality in Southeast Asia - Katelyn ChangOral Abstract 2: Organ Preserving Definitive Chemoradiation is an Acceptable Alternative for Early Stage Vulvar Cancer: An NCDB Analysis - Charlotte ChanOral Abstract 3: Induction Chemotherapy Followed by Chemoradiotherapy and MRI-Guided Adaptive Brachytherapy for Advanced Cervical Cancer: Outcomes & Toxicities - Ashley Chavana**8:05–9:05 AM** Education Session 11: Theranostics

Leonesa Ballroom

Moderators – Bhanu Venkatesulu and Omar Mian

AUC Committee Update – Ravi PatelEducation: Theranostics – Ravi Patel, Michael Folkert, and Mike LawlessOral Abstract 1: Trends in Radiopharmaceutical Clinical Trials Over the Past Decade - Jackson Howell**9:10–10:30 AM** Education Session 12: AI in Radiation Oncology

Leonesa Ballroom

Moderators – Carrie Glide-Hurst and Kundan Thind

Session 1: Bioinformatics in Radiation Oncology – John KangSession 2: The Role of AI for QA – Alon WitztumSession 3: AI Foundation Models for Precision Radiation Oncology - Lei XingOral Abstract 1: Artificial Intelligence Based Segmentation of the Muscles of Mastication and Temporomandibular Joint using the Penn OraRad Head and Neck Radiotherapy Cohort - Zayne BelalOral Abstract 2: Automated Target Structure Segmentation in APBI: Validation of an AI-Driven Approach - Abigail Pepin **\*Travel Grant Awardee**Oral Abstract 3: Late Radiotherapy-related Toxicity Extraction from Clinical Notes using Large Language Models for Definitively Treated Prostate Cancer patients - Ahmed Ghanem