

# ASTRO DAILY NEWS

ISSUE 1

OCTOBER 23, 2022

## SCHEDULE-AT-A-GLANCE

Sunday, October 23, 2022

**7:45 a.m. - 8:00 a.m.**

**PRO Welcome 02** - PRO Program Welcome Day 2  
📍 Hemisfair Ballroom C2/C3

**8:00 a.m. - 9:00 a.m.**

**EDU 01** - Exploring Ethical Challenges in Artificial Intelligence  
📍 Room 008

**8:00 a.m. - 9:00 a.m.**

**EDU 02** - **LIVE SA-CME** Overview of ASTRO's Radiation Therapy for Endometrial Cancer Guideline: A Multidisciplinary Case-Based Interactive Discussion Live SA-CME  
📍 Hemisfair Ballroom C1

**8:00 a.m. - 9:00 a.m.**

**International 02** - Opportunities and Challenges in Global Radiation Oncology - Factors Affecting Success  
📍 Room 301

**8:00 a.m. - 9:00 a.m.**

**Panel 01** - Oropharynx Tumor Board: Controversial Decisions in Everyday Cases  
📍 Room 006

**8:00 a.m. - 9:00 a.m.**

**Panel 02** - Defining the Future Direction of Re-Irradiation Research  
📍 Room 302

**8:00 a.m. - 9:15 a.m.**

**PRO 08** - **LIVE SA-CME** PRO: Oligometastatic Disease  
📍 Hemisfair Ballroom C2/C3

**8:00 a.m. - 9:00 a.m.**

**QP 01** - GU 1 - Improving Prostate Cancer Survival  
📍 Room 304

**8:00 a.m. - 9:00 a.m.**

**SS 01** - Breast 1 - Fractionation and Toxicity  
📍 Room 214

**8:00 a.m. - 9:00 a.m.**

**SS 02** - CNS 1 - Brain and Spine Metastases  
📍 Room 217

**8:00 a.m. - 9:00 a.m.**

**SS 03** - Bio 1 - Experimental Therapeutics and Target Discovery  
📍 Room 007 C/D

*Continued on next page*



**WELCOME TO THE 2022 ASTRO ANNUAL MEETING!** Whether you're attending in person or virtually, I'm sure you will find this an exciting and thought-provoking meeting. In addition to great educational and scientific presentations, we'll explore a wide-ranging array of topics relevant to our specialty.

The theme of this year's meeting is **Artificial Intelligence (AI) and Emotional Intelligence (EI): Caring for the Patient in a Wireless World**. Technological innovation has transformed radiation oncology and will continue to incorporate AI applications throughout our practice. We need to be thoughtful about how we use this technology and mindful that the heart of our specialty is patient care, an empathetic human interaction. The meeting theme provides a platform for an eclectic meeting, combining tradition and innovation.

For the early birds among us, check out the 8:00 a.m. Sunday morning sessions. I'm looking forward to "Exploring Ethical Challenges in Artificial Intelligence." Don't miss our Clinical Trials Session today from 9:30 a.m. to 11:00 a.m. We'll be featuring the results of six exciting studies covering different areas of practice, including the first-in-human study of proton FLASH

radiotherapy and the impact of direct patient care for medical physicists.

Our Presidential Symposium will be held this afternoon from 12:00 p.m. to 4:00 p.m. The four sessions will explore the meeting theme. The first session, moderated by Sanjay Aneja, MD, Catherine Park, MD, FASTRO, and Todd Pawlicki, PhD, FASTRO, will discuss "AI Opportunities in Today's Patient Journey - Cutting-Edge AI in Radiation Oncology." The second session "Prevention and Mitigation of Radiation Toxicity," will be moderated by Brian Marples, PhD. The session will explore the biology and prevention of normal tissue injury and patient-centered clinical trials on radiation toxicity. The third session will revisit AI in a broader context. This session "The 'Meta' Vision—How Can AI Help Solve Issues of Equity/Access/Value in Radiation Oncology," will be moderated by Julian C. Hong, MD, MS. The final session of the symposium "Human Doctors, Human Patients" will focus on aspects of practice related to emotional intelligence: communication, empathy, quality of life and the pivotal role of hope in patient care.

This year we have two amazing keynote speakers who exemplify the dual nature of our meeting theme. Monday morning our first keynote

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### ARRO 2022 GRADUATION RESIDENT SURVEY RESULTS

The ARRO Executive Committee presented the survey results during the ARRO Annual Seminar.

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Participants presented to the ASTRO Board about their experiences in the program.

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### PRESIDENTIAL SYMPOSIUM SCHEDULE

See the complete line up of Presidential Symposium presenters.

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### ABSTRACT AWARD WINNERS

Congratulations to the 2022 Annual Meeting Abstract Award Winners.

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# MRIDIAN<sup>®</sup> SMART

**ABLATIVE DOSES.  
TIGHTER MARGINS.  
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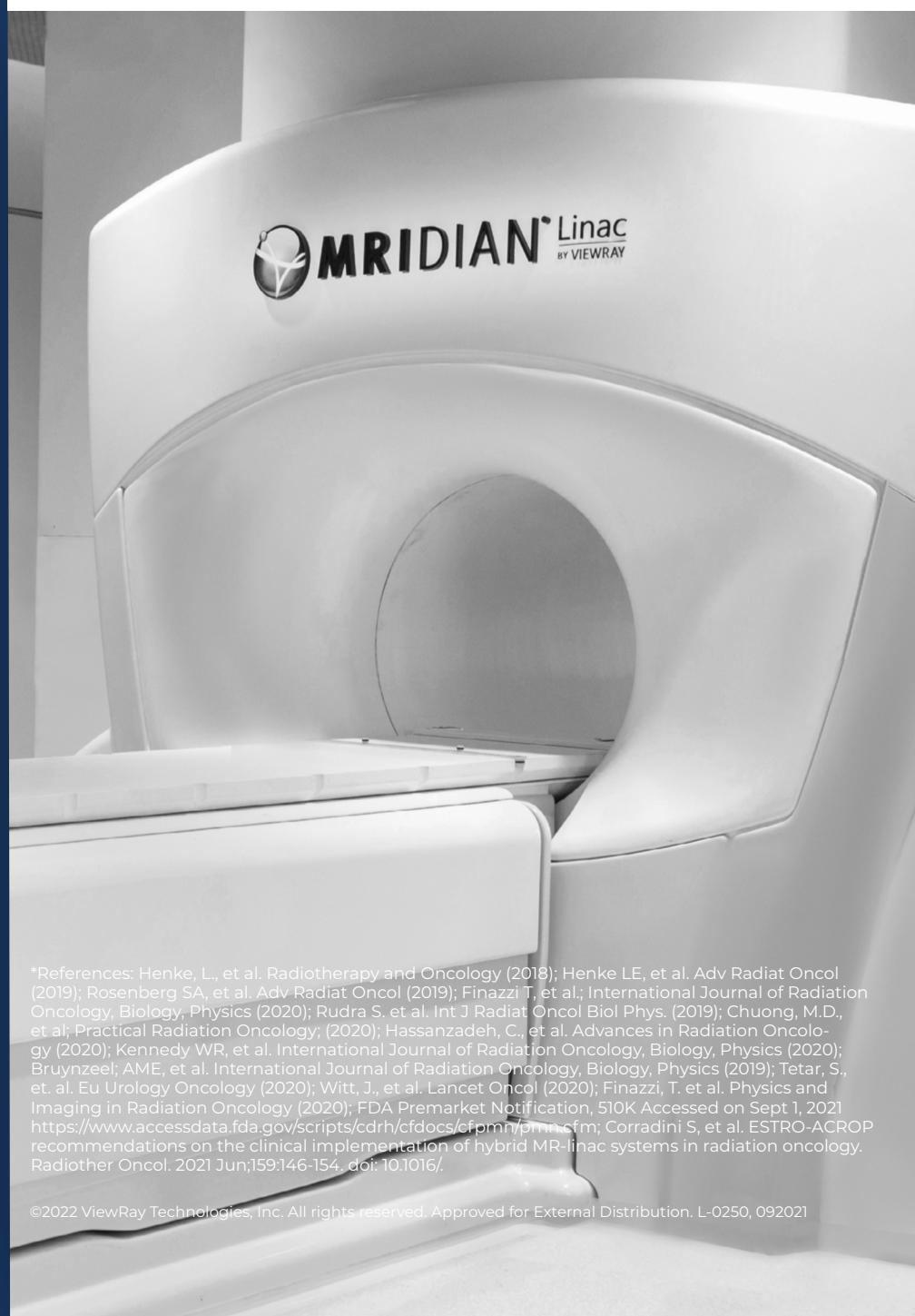
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\*References: Henke, L., et al. Radiotherapy and Oncology (2018); Henke LE, et al. Adv Radiat Oncol (2019); Rosenberg SA, et al. Adv Radiat Oncol (2019); Finazzi T, et al. International Journal of Radiation Oncology, Biology, Physics (2020); Rudra S. et al. Int J Radiat Oncol Biol Phys. (2019); Chuong, M.D., et al. Practical Radiation Oncology; (2020); Hassanzadeh, C., et al. Advances in Radiation Oncology (2020); Kennedy WR, et al. International Journal of Radiation Oncology, Biology, Physics (2020); Bruynzeel; AME, et al. International Journal of Radiation Oncology, Biology, Physics (2019); Tetar, S., et al. Eu Urology Oncology (2020); Witt, J., et al. Lancet Oncol (2020); Finazzi, T. et al. Physics and Imaging in Radiation Oncology (2020); FDA Premarket Notification, 510K Accessed on Sept 1, 2021 <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm>; Corradini S, et al. ESTRO-ACROP recommendations on the clinical implementation of hybrid MR-linac systems in radiation oncology. Radiother Oncol. 2021 Jun;159:146-154. doi: 10.1016/.

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## SCHEDULE AT A GLANCE

Sunday, October 23, 2022

**9:15 a.m. - 9:30 a.m.**

**Welcome 01** - Welcome to ASTRO's Annual Meeting  
📍 Stars at Night Ballroom

**9:30 a.m. - 11:00 a.m.**

**CT 01** - Clinical Trials Session  
📍 Stars at Night Ballroom

**9:30 a.m. - 10:45 a.m.**

**PRO 09** - PRO: Personalized Treatment for Non-Melanoma Skin Cancer  
📍 Hemisfair Ballroom C2/C3

**10:00 a.m. - 5:00 p.m.**

**Exhibit Hall Opens**  
📍 Exhibit Halls 2-4

**11:00 a.m. - 2:30 p.m.**

**ASPP 01** - Aspiring Scientists and Physicians Program  
📍 Room 207

**11:00 a.m. - 12:15 p.m.**

**PRO 10** - PRO: Considerations for Treatment of PSMA-Staged High-Risk Patients  
📍 Hemisfair Ballroom C2/C3

**12:00 p.m. - 1:00 p.m.**

**PS 01** - Presidential Symposium: Session I - AI Opportunities in Today's Patient's Journey—Cutting-Edge AI in Radiation Oncology  
📍 Stars at Night Ballroom

**1:00 p.m. - 2:00 p.m.**

**PS 02** - Presidential Symposium: Session II - Prevention and Mitigation of Radiation Toxicity  
📍 Stars at Night Ballroom

**2:00 p.m. - 3:00 p.m.**

**ET 01** - Help Ukraine!  
📍 Industry Expert Theater 1

**2:00 p.m. - 3:00 p.m.**

**PS 03** - Presidential Symposium: Session III - The "Meta" Vision—How Can AI Help Solve Issues of Equity/Access/Value in Radiation Oncology  
📍 Stars at Night Ballroom

**3:00 p.m. - 6:00 p.m.**

**Master Class 03** - Goalsetting, Difficult Conversations and Leading "Up"  
📍 Room 302

**3:00 p.m. - 4:00 p.m.**

**PS 04** - Presidential Symposium: Session IV - Human Doctors, Human Patients  
📍 Stars at Night Ballroom

**4:00 p.m. - 5:00 p.m.**

**ASTRO 2022 Tweet Up**  
📍 ASTRO sign near the ASTRO Resource Center

**4:00 p.m. - 5:00 p.m.**

**Exhibit Hall Networking Break**  
📍 Halls 2-4

**4:45 p.m. - 6:00 p.m.**

**EDU 03** - When Should I Hold Radiation? - Delivery of Radiation with Novel Systemic Agents for Breast Cancer  
📍 Room 217

**4:45 p.m. - 6:00 p.m.**

**EDU 04** - State of the ART: Clinical, Technical and Practical Considerations in Adaptive Radiation  
📍 Room 006

**4:45 p.m. - 6:00 p.m.**

**International 03** - Peer Review for Global Interobserver Variations in Delineation and Plan Quality Assessment  
📍 Room 008

**4:45 p.m. - 6:00 p.m.**

**Joint 01** - **LIVE SA-CME** ASTRO/ASCO/SNO Joint Session - Brain Metastases: A Case-Based Interactive Overview of the 2022 ASTRO and ASCO/SNO/ASTRO Practice Guidelines  
📍 Hemisfair Ballroom C1

**4:45 p.m. - 6:00 p.m.**

**Panel 03** - Successful Implementation of Global Oncology Research: Decolonization and Health Equity Centering as Strategies for Overcoming Historic Barriers and Obstacles  
📍 Room 007 C/D

**4:45 p.m. - 6:00 p.m.**

**Panel 04** - Manipulating Metabolism to Enhance Radiation Therapy  
📍 Room 214

**4:45 p.m. - 6:00 p.m.**

**Poster Q&A 01** - Lung Cancer and DEIH  
📍 Exhibit Hall 1

**4:45 p.m. - 5:45 p.m.**

**QP 02** - DHI 1 - Individualizing Treatment Using AI: Opportunities and Challenges  
📍 Room 304

**4:45 p.m. - 5:45 p.m.**

**QP 03** - Phys 1 - Imaging and Response Assessment  
📍 Room 303

**4:45 p.m. - 6:00 p.m.**

**SS 04** - GI 1 - Esophageal Cancers: The Pros and Cons of Combined Modality Therapy  
📍 Room 301

**4:45 p.m. - 6:00 p.m.**

**SS 05** - Palliative 1 - Novel Approaches to Palliative and Supportive Care: Improving Toxicity, Efficacy, and Equity  
📍 Room 007 A/B

**5:00 p.m. - 6:00 p.m.**

**ARRO 02** - ARRO Mentoring and Networking Event  
📍 Room 004

**7:00 p.m. - 8:00 p.m.**

**LGBTQIA+ Meet Up**  
📍 Grand Hyatt, Bowie B

# STREET TALK

## What are you most looking forward to at this year's Annual Meeting?

"I am looking forward to connecting with old friends, colleagues, and mentors, hearing the latest scientific advances, and meeting new bright and motivated trainees and early career radonc's. I'm excited by the continued growth of our EDI programming and initiatives at ASTRO and in the Annual Meeting with the support of the Board and membership."



**CURTILAND DEVILLE**,  
Associate Professor of  
Radiation Oncology and  
Molecular Radiation Sciences,  
Johns Hopkins University  
School of Medicine

"I am most looking forward to attending the late-breaking presentation on Stereotactic MR-guided on-table Adaptive Radiation Therapy (SMART) for Patients with Borderline or Locally Advanced Pancreatic Cancer as these are results important to get out to the community. I am also excited to meet friends and colleagues whose faces I've only seen on Zoom, reunite with former co-residents, and enjoy the culinary delights San Antonio has to offer!"



**ANN RALDOW**,  
Assistant Professor, David Geffen  
School of Medicine at UCLA

"Due to institutional COVID precautions, this will be my first in-person Annual Meeting in several years, so I'm looking forward to meeting with collaborators and old friends, while attending scientific sessions to keep me up to date on the latest advances. As a graduating resident, I am most looking forward to networking with prospective employers. The meeting is a convenient opportunity for us to meet up and get to know each other as people."



**SEAN MAROONGROGE, MD, MBA**  
University of Texas MD Anderson  
Cancer Center

### ASTRO Daily News 2022

Issue Number 1 | Sunday Edition

**Publisher:**  
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# International Radiation Oncology Society Network (IRON): A unified voice in addressing global cancer challenges

BY MAY WAHAB, MD, PHD, FASTRO, AND EKATERINA HARS DORF, INTERNATIONAL ATOMIC ENERGY AGENCY

**CANCER IS A LEADING CAUSE OF MORTALITY WORLDWIDE**, accounting for nearly 10 million deaths in 2020.<sup>1</sup> More than 50% of cancer patients will require radiation therapy during their oncological journey. However, the availability of radiation therapy services and access to treatment are not equal globally, especially in low- and middle-income countries.<sup>2</sup>

The radiation oncology community has realized that better cooperation is needed in order to address the field's many challenges, and that national and international stakeholders must prioritize cancer issues.<sup>3</sup>

In view of these growing challenges and opportunities, the International Atomic Energy Agency's (IAEA) Human Health Division organized a Technical Meeting on Global Cancer Care in July 2020 "to promote global collaboration in radiation oncology, in efforts to improve access to and implementation of radiotherapy globally and ensure that radiation oncology is supported... through meaningful research and other collaborations."<sup>4</sup> Leaders in the field of radiation oncology, including ASTRO, editors of major journals and experts from leading institutions discussed the best ways to raise awareness of the importance of radiation oncology.<sup>4</sup>

Five recommendations were put forward, the fifth of which was the creation of a global radiotherapy society network — the International Radiation Oncology Society Network (IRON).<sup>4</sup>

The IAEA subsequently convened the leaders of regional societies to prepare the terms of reference and discuss IRON's structure. The newly formed IRON will serve as a vehicle for sharing information, promoting communication among societies and coordinating worldwide responses to complex challenges, with the alternate aim of improving care for patients. The network will encourage regional radiation oncology leaders to meet three times a year at society meetings to discuss goals in education, training and research, as well as to coordinate activities and respond to challenges.

IRON will primarily be a discursive rather than an implementing body, with operationalization coordinated through existing mechanisms. As an international network, IRON will assume a greater role on the global stage by facilitating consultations among societies to address common issues and improve health care worldwide. The group will work closely with IAEA, the global focal point for nuclear and radiation related matters, to increase awareness of radiation oncology needs.

IRON will cover the major regions of the world and will include:


- The African Organisation for Research and Training in Cancer (AORTIC)
- The American Society for Radiation Oncology (ASTRO)
- The Asociación Ibero-Latinoamericana de Terapia Radiante Oncológica (ALATRO)
- The European Society for Therapeutic Radiology and Oncology (ESTRO)
- The Federation of Asian Organizations for Radiation Oncology (FARO)
- The Royal Australian and New Zealand College of Radiologists (RANZCR).

During the first year of its inception, the regional societies will convene at three society annual meetings per year, the first of which was held yesterday at ASTRO.

A stepwise expansion to include other interested societies will follow.

The presidency of IRON will be for one year and then rotate among member societies. ESTRO will assume the inaugural leadership role, and Ben Slotman, MD, PhD, from ESTRO will fulfill the principal coordination and leader's role in the upcoming year.

The formation of IRON will be acknowledged at the 2022 ASTRO Annual Meeting on Monday, October 24 at 1:00 p.m. in the address by ASTRO President Geraldine Jacobson, MD, MPH, MBA, FASTRO.

In addition, information about IRON will be presented by May Abdel-Wahab, MD, PhD, FASTRO, Director of IAEA's Human Health Division, during the joint ASTRO-ESTRO session on Tuesday, October 25, 8:00 a.m., Room 206. 

## REFERENCES

1. World - International Agency for Research on Cancer. <https://gco.iarc.fr/today/data/factsheets/populations/900-world-factsheets.pdf>. Accessed October 11, 2022.
2. Abdel-Wahab M, Gondhowiardjo SS, Rosa AA, et al. Global radiotherapy: Current status and future directions—White Paper. *JCO Global Oncology*. 2021;(7):827-842.
3. Rosenblatt E, Zubizarreta E, Wondergem J, et al. The International Atomic Energy Agency (IAEA): An active role in the global fight against cancer. *Radiotherapy and Oncology*. 2012;104(3):269-271.
4. Kassick M, Abdel-Wahab M. Efforts to improve radiation oncology collaboration worldwide. *The Lancet Oncology*. 2021;22(6):751-753.


## WELCOME TO THE 2022 ANNUAL MEETING CONTINUED

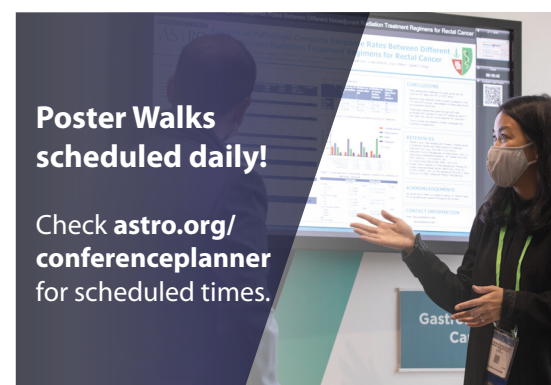
speaker, Ruha Benjamin, PhD, will present "Race to the Future? Reimagining the Default Settings of Technology and Society." Tuesday morning, Richard Deming, MD, will present "Above and Beyond Cancer: Optimal Living in Survivorship."

My Presidential Address will take place on Monday afternoon. The title, "AI and EI: Shaping the Future of Radiation Oncology," parallels and expands on the meeting theme of incorporating technological advances and our human capacities to provide optimal patient care and advance our field.

The Plenary Session on Monday afternoon will feature presentations and discussions of five practice changing studies. The Late-Breaking Abstract presentations on Tuesday afternoon will highlight the results of seven "hot off the press" research results. The Cancer Breakthrough sessions will be held on Wednesday from 9:15 a.m. to 10:15 a.m., where you'll hear about the top science that has been presented at our fellow societies' meetings.

Wrapped around these highlights are 200 education and scientific sessions. Master Classes, Storytelling, Quick Pitch and Poster sessions offer additional educational opportunities in varied formats. This year our poster sessions are conveniently located in Exhibit Hall 1 and will include 10 Poster Q&A sessions and more than 1,300 posters. And finally, be sure to visit the Exhibit Hall with nearly 200 exhibitors.

For those attending in person, welcome to San Antonio! It's a wonderful city to visit: lively, multicultural and easy to navigate. You'll enjoy the River Walk with its shops and restaurants, and the city's famous historical sites. To all attendees, thank you for joining our Annual Meeting and best wishes for a rewarding educational experience. 



**Poster Walks  
scheduled daily!**

Check [astro.org/  
conferenceplanner](https://astro.org/conferenceplanner)  
for scheduled times.

## ASTRO 2022 UNRESTRICTED EDUCATIONAL GRANT SUPPORTERS

\*Current as of October 19, 2022

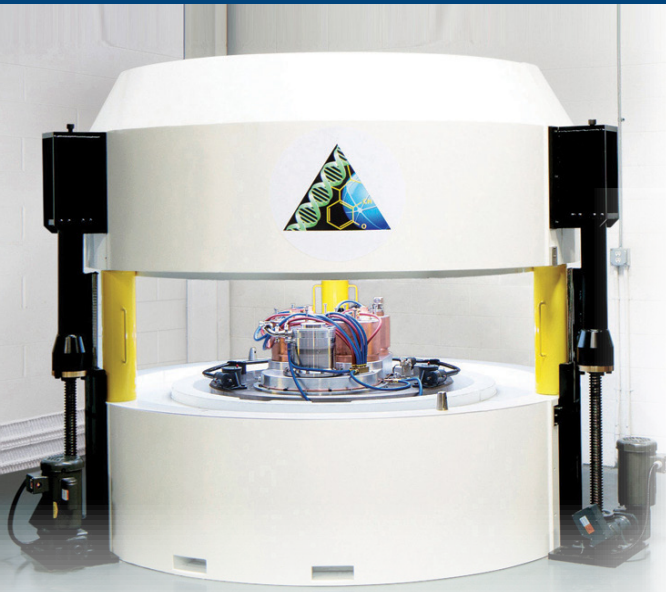
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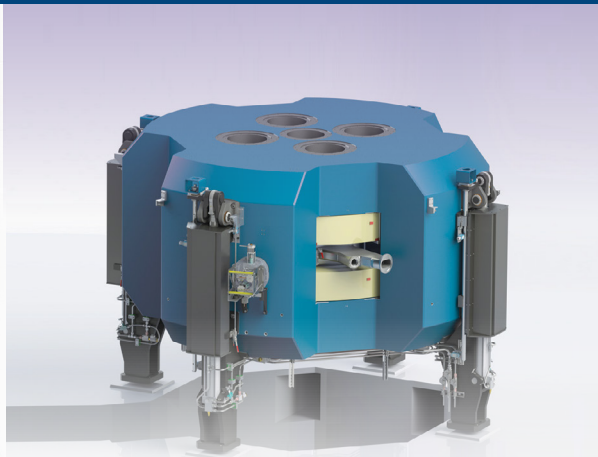
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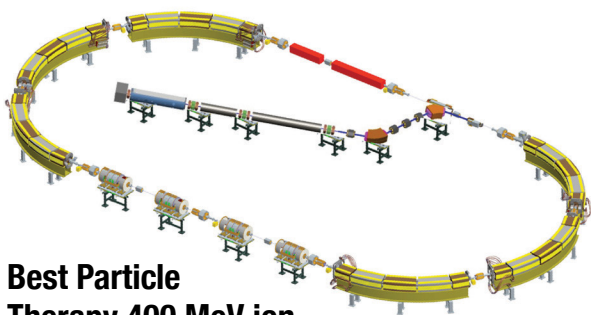
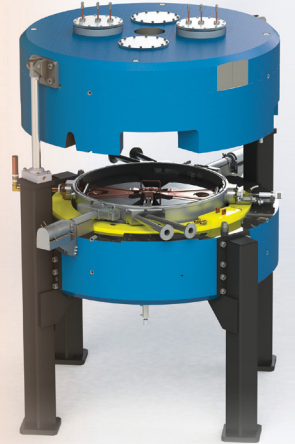


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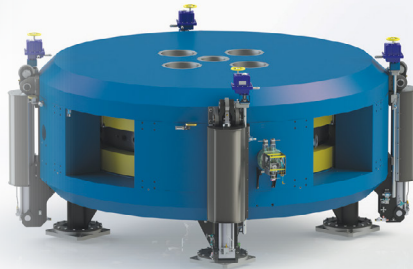


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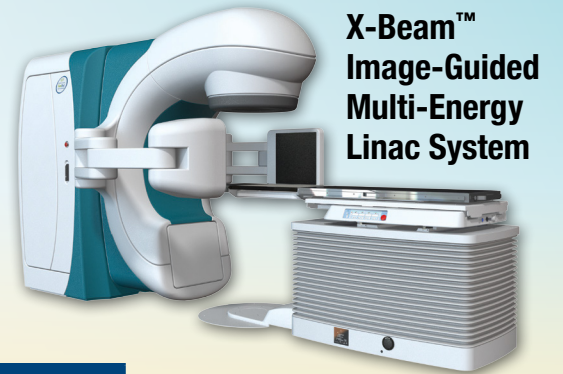
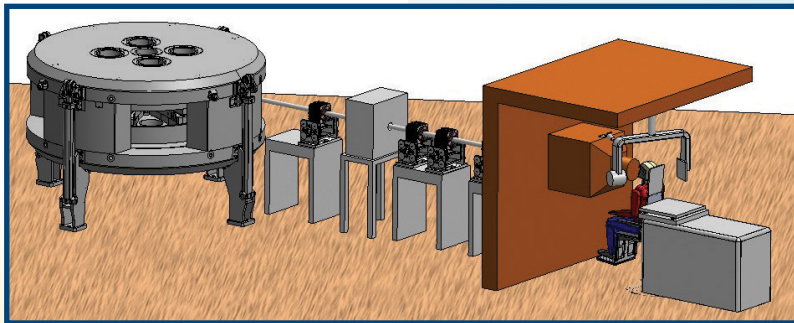


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<b>Best 35p/35adp Cyclotrons</b>	<b>15–35 MeV</b>	Proton or alpha/deuteron/proton, capable of high current up to 1000 Micro Amps, for medical radioisotopes
<b>Best 70p Cyclotron</b>	<b>35–70 MeV</b>	Proton only, capable of high current up to 1000 Micro Amps, for medical radioisotopes
<b>Best 150p Cyclotron</b>	<b>From 70 MeV up to 150 MeV</b>	For all Medical Treatments including Benign and Malignant Tumors, Neurological, Eye, Head/Neck, Pediatric, Lung Cancers, Vascular/Cardiac/Stenosis /Ablation, etc. (Patent Pending)



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ARRO Executive Committee

## 2022 Graduating Resident Survey Results at the ARRO Annual Seminar

BY AMISHI BAJAJ, MD, CHAIR, ARRO EXECUTIVE COMMITTEE, ON BEHALF OF THE ARRO EXECUTIVE COMMITTEE

**YESTERDAY, DURING THE ARRO ANNUAL SEMINAR**, we presented the results of the 2022 Graduating Resident Survey. For the third year in a row, we succeeded in having a reasonably high response rate with over 80% of graduating residents completing this year's survey. With regard to employment, 95% of survey respondents noted having a signed contract by June 2022. As compared to prior years of the Graduating Resident Survey in which respondents felt that there was a substantial impact of COVID-19 on the job search, about 70% of respondents said "no" when asked if there was a continuing impact of COVID-19. For those who felt the impact of COVID-19 on their search, a number listed that there were more screening interviews, but fewer on-site interviews or actual job offers as a consequence.

Of the residents who accepted positions, about 52% were employed by an academic center, 34% were employed by a private practice (either free-standing or hospital-based), and 14% were employed by hospitals; 99% of accepted positions were full-time, and 13% were rural (with 37% suburban and 50% urban). An interesting deviation from last year's data was the percentage


of individuals accepting generalist versus specialist positions. Whereas last year's Graduating Resident Survey indicated that most respondents held generalist positions, this year's data shows 55% of respondents being hired as disease site specialists and 45% of respondents being hired to generalist positions. More than two-thirds of survey respondents had contracts that came with a form of non-compete provision.

Expected first-year compensation (excluding those pursuing fellowships, n=129) ranged from \$150-750k with a median of \$360k (IQR: \$325-420k). This median was found to increase to \$400k (n=116; IQR: \$350-465k) for the second year in practice. While the median first-year salary was \$325-360k for those entering free-standing or hospital-based private practice, the median starting salary for those entering hospital-employed/community practice main campus or satellite positions was higher at \$540k. The median salary for those pursuing clinical-track academic positions at a main site was \$360k, and those entering positions at satellite facilities of academic centers had a median starting salary of \$400k.

Of 42 individuals pursuing a partnership

track for their practice, time to partnership was most frequently two to three years in length; 22% reported no financial buy-in. Of the 43% of respondents who reported a financial buy-in, the most common buy-in was \$5,000 with a range of nominal fees up to \$65,000. Ultimate compensation for private practice partners was reported by 42 respondents and ranged from \$430k-1.4M with a median of \$600k.

72% of survey respondents received an educational fund (median: \$5,000). 67% received funding for moving expenses (median: \$10,000). 57% received a signing bonus (median: \$25,000). Overall, 66% of respondents rated themselves as "very satisfied" with the position they were entering, with 25% rating themselves as "satisfied."

ARRO extends its thanks and gratitude to the participating graduates of the Class of 2022 for completing the annual ARRO Graduating Resident Survey and providing this important information for future job applicants currently in training. We kindly request members of the Class of 2023 to continue the tradition of helping others by completing this survey next summer prior to graduating residency. 

### 2022 ANNUAL MEETING PROMOTIONAL SPONSORS

Current as of October 15, 2022

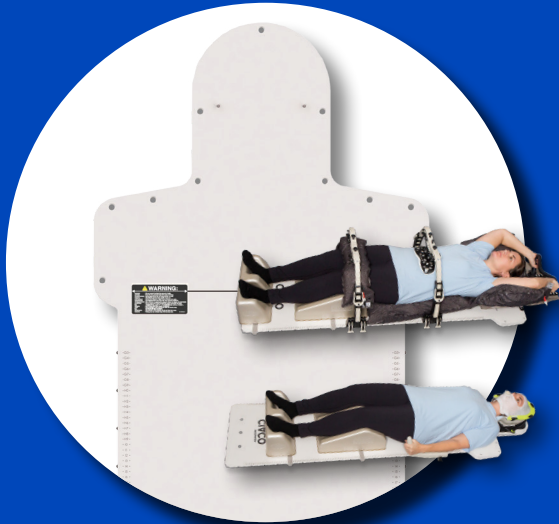
# Innovations at ASTRO 2022



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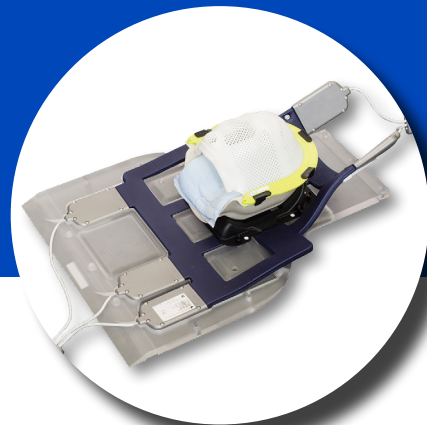


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The Product Showcase is prominently displayed directly outside the the Exhibit Hall. View products by category to see photos, videos and detailed information about each product. You can also view the Product Showcase via the MyASTROApp, the official meeting app, and the Conference Planner at [www.astro.org/conferenceplanner](http://www.astro.org/conferenceplanner).



**3D SYSTEMS**

Company Name: 3D Systems  
 Booth Number: 2727  
 Product Name: VSP® Bolus



**ACCURAY**

Company Name: Accuray Incorporated  
 Booth Number: 2586  
 Product Name: Radixact®



**Advanced Accelerator Applications**  
 A Novartis Company

Company Name: Advanced Accelerator Applications, Inc., A Novartis Company  
 Booth Number: 2931  
 Product Name: PLUVICTO™ (lutetium Lu 177 Vipivotide Tetraxetan)



**AstraZeneca**

Company Name: AstraZeneca  
 Booth Number: 3753



**HGPT**  
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Company Name: Beijing HGPT Technology & Trade Co., Ltd.  
 Booth Number: 2595  
 Product Name: China AXess



**Boston Scientific**  
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Company Name: Boston Scientific  
 Booth Number: 1361  
 Product Name: SpaceOAR Vue™ Hydrogel



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**CASTLE BIOSCIENCES**

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 Booth Number: 1996  
 Product Name: DecisionDx®-SCC



**GE**

Company Name: GE Healthcare  
 Booth Number: 3736  
 Product Name: AIR™ RT package



**GE**

Company Name: GE Healthcare  
 Booth Number: 3736  
 Product Name: Revolution Apex Platform with Spectral Imaging, Volume 4D Technologies and MaxFOV2



**LAP**

Company Name: LAP of America Laser Applications, L.L.C.  
 Booth Number: 2966  
 Product Name: RadCalc



**LAP**

Company Name: LAP of America Laser Applications, L.L.C.  
 Booth Number: 2966  
 Product Name: THALES 3D SCANNER



**LEO**  
 Cancer Care

Company Name: Leo Cancer Care  
 Booth Number: 4570  
 Product Name: Marie™




**macromedics**

Company Name: MacroMedics BV  
 Booth Number: 1394  
 Product Name: Flexboard™ - EagleBoard™-2



**mim**  
 SOFTWARE

Company Name: MIM Software Inc.  
 Booth Number: 1786  
 Product Name: Contour ProtégéAI



**phantomlab**

Company Name: The Phantom Laboratory  
 Booth Number: 1159  
 Product Name: Magphan® RT




**Qfix** positioning patients for life.®

Company Name: Qfix  
 Booth Number: 1761  
 Product Name: Alta™ AirShuttle™



**THERAPANACEA**  
 Reinventing cancer care through AI

Company Name: TheraPanacea  
 Booth Number: 3004  
 Product Name: Adapt-Box (ART-Plan™)



**Triplet State Technology**

Company Name: Triplet State Technology, LLC  
 Booth Number: 1940  
 Product Name: Magnetic Field Generator



**VIEWRAY**  
 VISIBLY BETTER®

Company Name: ViewRay, Inc.  
 Booth Number: 3770  
 Product Name: MRIdian A3i



## Leadership Pathway Program participants give annual reports at Board of Directors meeting

**AT THIS YEAR'S BOARD OF DIRECTORS** meeting, ASTRO's leadership pathway participants — both those in their first and second years of the program — presented reports on their experiences. The Leadership Pathway Program (LPP) is a career opportunity designed to enhance diversity among ASTRO's leadership and help proactively develop the next generation of organizational leaders.

Dayssy Alexandra Diaz Pardo, MD, Assistant Professor and Vice Chair of DEI at The Ohio State University, summarized both years of their time in the program. Dr. Diaz Pardo focused on the Annual Meeting and served on its steering committee. Increasing the diversity of speakers at the Annual Meeting has been an organizational goal for several years, and Dr. Diaz Pardo worked with organizational leadership to improve representation at the meeting. In terms of future directions, Dr. Diaz Pardo highlighted the creation of a DEI leaders' group, as well as the opportunity to partner with outside organizations to deliver more information about radiation oncology to populations that are underrepresented in the field.

Julianne Pollard-Larkin, PhD, of MD Anderson Cancer Center, spoke passionately about how they have been empowered by advocacy — and by their experiences working with the Advocacy Division of ASTRO. "This program gives me that extra oomph!" Dr. Pollard-Larkin exclaimed, when

speaking about LPP's impact. In addition to participating in their first Advocacy Day in 2021, Dr. Pollard-Larkin joined the CHEDI Advocacy and Community Outreach Committee, planned a joint AAPM EDIC - ASTRO HEDI documentary screening for "Black Men in White Coats," and created a GR advocacy advertisement to recruit more ASTRO members.

In introducing Kosj Yamoah, MD, PhD, now Chair of the Department of Radiation Oncology at the Moffitt Cancer Center, Curtiland Deville, MD, of Johns Hopkins University, said Dr. Yamoah had eclipsed the pathway program — a realization that drew laughter and applause. Dr. Yamoah participated in the Health Policy Health Equity Work Group and the Health Policy Council. Dr. Yamoah's work with the Health Policy Council focused on the RO Model and the role of health equity in future payment models. "Ensuring alignment between identified equity issues and adequate resources to address them will be a challenge," Dr. Yamoah said.


Raymond Mailhot-Vega, MD, of the University of Florida presented on their first year, where they participated in grant reviewing and Annual Meeting track reviewing and facilitated an ASTRO ROCKS session on NCI Diversity Supplements and Other Awards Targeting Underrepresented Populations.



They emphasized the need to connect researchers with available funding.

Michelle S. Ludwig, MD, MPH, PhD, Associate Professor of Radiation Oncology at Baylor College of Medicine, spoke about participating in the Health Policy Committee, the HEDI Advocacy and Community Engagement Committee, and the Early Career Committee. While they have been busy collaborating with those committees through the first year of the program, they are choosing to focus on climate change and its effects on cancer treatment disparities in their second year.

Sophia C. Kamran, Assistant Professor of Radiation Oncology at Harvard Medical School, spoke about their work with the Clinical Affairs and Quality Council. Importantly, Dr. Kamran launched a project to examine the diversity of guidelines task forces. Women and ethnic/racial minorities have been historically underrepresented in such task forces, and Dr. Kamran, along with the CAQC, is aiming to improve data collection on this issue in order to address the disparities.

All participants in the Leadership Pathway Program commended the effect the program has had on their careers and thanked ASTRO leadership and staff. 

**I40 FOR I40  
GREAT MINDS  
FOR  
GRAND CHALLENGES**



## GLOBAL RECRUITMENT at The University of Hong Kong

The Medical Faculty of the University of Hong Kong has launched a global recruitment campaign to recruit 140 clinical and non-clinical professoriate staff ahead of our 140<sup>th</sup> anniversary in 2027. We look forward to meeting interested academics.

Visit [www.med.hku.hk/140for140](http://www.med.hku.hk/140for140) to learn more about the campaign.



**HKU  
Med**



# PRESIDENTIAL SYMPOSIUM SCHEDULE OF EVENTS

SUNDAY, OCTOBER 23

**Introduction** | 12:00 p.m. – 12:05 p.m.

**Speaker:** Geraldine Jacobson, MD, MPH, MBA, FASTRO, ASTRO President

## Session I • AI Opportunities in Today's Patient's Journey — Cutting-Edge AI in Radiation Oncology

12:05 p.m. – 1:00 p.m.

**Moderator:** Sanjay Aneja, MD

Introductions	Catherine C. Park, MD, FASTRO
Current Progress of Machine Learning in Radiation Oncology	Sanjay Aneja, MD
The State of the Art in Digital Pathology and AI: Progress in Prostate Cancer	Osama Mohamad, MD, PhD
Clinical Integration of Machine Learning for Curative-Intent Radiation Treatment of Patients with Prostate Cancer	Alejandro Berlin, MD, MS
Wide-Scale Clinical Adoption of Automated Knowledge-Based Planning	Kevin L. Moore, PhD
Panel Discussion - How Will AI Tools Be Presented	Todd Pawlicki, PhD, FASTRO Catherine C. Park, MD, FASTRO

## Session II • Prevention and Mitigation of Radiation Toxicity | 1:00 p.m. – 2:00 p.m.

**Moderator:** Brian Marples, PhD

Introductions	Brian Marples, PhD
Inherited Susceptibility to Normal Tissue Toxicity: Towards Personalized Radiotherapy and Radioprotection	Sarah L. Kerns, PhD, MPH
Normal Tissue Injury, Specifically in the Cardiovascular System	Carmen Bergom, MD, PhD
Radiation-Induced CNS Damage: Potential Strategies for Preserving Cognitive Function	Catherine M. Davis-Takacs, PhD
Patient-Centered Clinical Trials on Radiation Toxicity: How the Patient Experience Guides Study Design	Ryan T. Hughes, MD
Panel Discussion	Moderator and all speakers

## Session III • The "Meta" Vision — How Can AI Help Solve Issues of Equity/Access/Value in Radiation Oncology? | 2:00 p.m. – 3:00 p.m.

**Moderator:** Julian C. Hong, MD, MS

Introductions	Julian C. Hong, MD, MS
Social Determinants of Health and How That Can Fit Into Bringing DEI and Access to our Patients and Practices	Charles Mayo, PhD, FASTRO
AI and Medical Knowledge	Nadine Housri, MD
AI-Based Clinical Trials	James Zou, PhD
Using AI to Benefit Our Patients: Clinical Trials, Implementation and Beyond	Julian C. Hong, MD, MS
Impact of AI on Quality of Care, Clinical Practice and Training	Erin F. Gillespie, MD
Panel Discussion	Moderator and all speakers

## Session IV • Human Doctors, Human Patients | 3:00 p.m. – 4:00 p.m.

**Moderator:** Geraldine Jacobson, MD, MBA, MPH, FASTRO

Introductions	Geraldine Jacobson, MD, MBA, MPH, FASTRO
Looking in the Mirror: What I Didn't Know as an Oncologist Until I Became a Cancer Patient	Rachel Abrams Rabinovitch, MD, FASTRO
Quality of Life and the Sexual Self in Cancer Patients	Sage Bolte, PhD
Digital Empathy	Sarah Hoffe, MD
Panel Role Play - Understanding What's Really Going on: Cognitive Biases and Emotional Intelligence in Radiation Oncology	Sarah Hoffe, MD Benjamin William Corn, MD, FASTRO Ronald D. Ennis, MD, FASTRO Neha Vapiwala, MD, FASTRO Sarah Krug, MS, Patient Advocate and Advisor
Closing/Hope	Benjamin William Corn, MD, FASTRO

# CORPORATE AMBASSADORS

ASTRO PROUDLY RECOGNIZES THE 2022 CORPORATE AMBASSADORS FOR THEIR OUTSTANDING PROMOTIONAL SPONSORSHIP OF RADIATION ONCOLOGY.

ACCURAY

AstraZeneca

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MEVION  
medical systems

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A Siemens Healthineers Company

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## LACE UP YOUR RUNNING (OR WALKING) SHOES FOR THE ROI 5K!

Join hundreds of your colleagues for a fun event taking place Tuesday morning along the San Antonio River Walk. All funds raised will benefit the Radiation Oncology Institute (ROI), ASTRO's research foundation.

**There's still time to register. Visit the ROI Booth, Main Lobby, Street Level to sign up.**

**Already registered?** Pick up your race bib and materials at the ROI Booth.

# ASTRO SOCIAL CHAMPIONS



**ADEL CHAUDHURI**  
@adel\_chaudhuri



**JIE DENG**  
@JieDengMDPhD



**IDALID "IVY" FRANCO**  
@IvyRadOncMD



**SCOTT GLASER**  
@DocGlaser



**LEAH LOWY-KATZ**  
@leah\_minnie



**SHANNON OFFERMAN**  
@shannonofferman



**ONCOALERT (GIL MORGAN)**  
@OncoAlert



**JULIE POLLARD-LARKIN**  
@JulieLarkin305



**ALEXIS SCHUTZ**  
@alexisschutz\_md



**SHANKAR SIVA**  
@\_ShankarSiva



**ZACHARY WHITE II**  
@ZacharyBWhitell

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**TrilynX**™  
CLINICAL TRIAL

A clinical trial for  
people with head  
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TrilynX Clinical Trial is studying an investigational option for previously untreated patients with locally advanced squamous cell carcinoma of the head and neck.



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**ClinicalTrials.gov**

<https://clinicaltrials.gov/ct2/show/NCT04459715>

The TrilynX study is using an investigational compound that has not been proven to be safe or effective by any health authority.



**EMD  
SERONO**

US-MULO-00050  
October 2022

# CONGRATULATIONS

## to the 2022 Annual Meeting Abstract Award Winners

Each year, ASTRO awards up to 45 investigators who submitted an abstract to the Annual Meeting with an achievement award. Winners are chosen based on their peer-reviewed scores and final abstract review by the Annual Meeting Steering Committee. There were over 2,000 abstract submissions this year, and 42 authors received an award. ASTRO encourages research in radiation oncology through the support of students, residents and early to mature career professionals. Congratulations to these individuals!

### Resident Clinical/Basic Science Research Award

This award acknowledges clinical research being performed by young scientists. It is granted to the top resident author of a significant study in radiobiology, clinical research and physics. The award includes an honorarium, a certificate of recognition and a complimentary registration to the Annual Meeting.



**Jared Hara, MD**  
*University of Chicago Medical Center (Biology)*



**Kathryn Tringale, MD, MS**  
*Memorial Sloan Kettering Cancer Center (Clinical)*



**Samuel Zhang, MD**  
*Cedars-Sinai Medical Center (Physics)*

### International Abstract Award

The international award fosters continuing medical education, assists in career development and helps establish relationships with ASTRO members who may serve as scientific mentors to the recipient. Only one award is given each year to a candidate who receives the highest score among applicants. The award enables international early career radiation oncologist to travel to the U.S. and visit a comprehensive cancer center for one week, usually before or after the Annual Meeting. The award includes an honorarium, a certificate of recognition and a complimentary registration to the Annual Meeting.



**Pallavi Kalbande, MD, MBBS**  
*Mahatma Gandhi Institute of Medical Sciences*

### Nurse Abstract Award

This award promotes clinical research among radiation oncology nurses. Up to two awards are presented to the highest rated abstract submitters with a nursing designation. The winners receive a certificate of recognition and complimentary registration to the Annual Meeting.



**Charles Huang, BS, MS**  
*Stanford University*

### Annual Meeting Travel Awards

This award recognizes outstanding abstracts submitted by early career scientists, biologists and physicists. Up to 15 awards are given (five in each category) to offset travel expenses to the meeting.

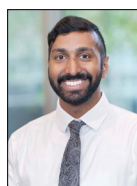
BIOLOGY



**Eric Zhao, MD, PhD**  
*University of Toronto*



**Devin Miles, PhD**  
*Johns Hopkins University School of Medicine*



**N. Ari Wijetunga, MD, PhD, MS**  
*Memorial Sloan Kettering Cancer Center*



**Julianna Bronk, MD, PhD**  
*The University of Texas MD Anderson Cancer Center*

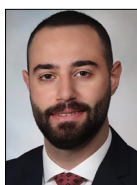


**Joseph Lombardo, DO**  
*Sidney Kimmel Medical College & Cancer Center at Thomas Jefferson University*

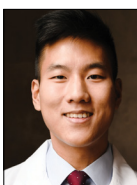
CLINICAL



**Justin Barnes, MD, MS**  
*Washington University School of Medicine in St. Louis*



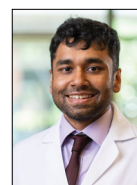
**Omran Saifi, MD**  
*Mayo Clinic*



**Kevin Tyan, BA**  
*Harvard Medical School*

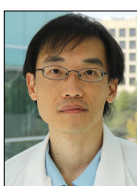


**Soumyajit Roy, MBBS**  
*Rush University Medical Center*



**Brian De, MD**  
*The University of Texas MD Anderson Cancer Center*

PHYSICS



**Hua-Chieh Shao, PhD**  
*UT Southwestern Medical Center*



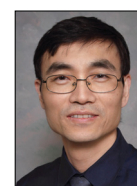
**Hassan Jassar, PhD**  
*Medical College of Wisconsin*



**Xinyi Li, MS**  
*Duke University Medical Center*



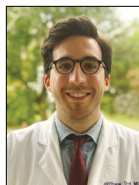
**Kaylie Cullison, BS**  
*University of Miami Miller School of Medicine*



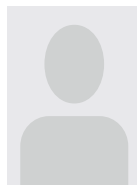
**Xiaojian Chen, PhD**  
*Medical College of Wisconsin*

## Basic/Translational Science Award

This award encourages participation in the ASTRO Annual Meeting by basic and translational scientists. Up to 12 awards are given to applicants having the top-rated abstracts in clinical research, radiobiology and physics categories. Winners are a mixture of junior and senior level investigators. The award includes an honorarium, a certificate of recognition and a complimentary registration to the Annual Meeting.



**Matthew Deek, MD**  
*Johns Hopkins Medicine* (Junior Investigator, Biology)



**Yunze Yang, PhD**  
*Mayo Clinic Arizona* (Senior Investigator, Clinical)



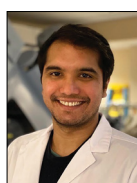
**Jie Deng, MD, PhD**  
*University of California, Los Angeles* (Junior Investigator, Biology)



**Christian Guthier, PhD, MS**  
*Artificial Intelligence in Medicine (AIM) Program at Harvard* (Senior Investigator, Clinical)



**Heather Conti, PhD**  
*University of Toledo* (Senior Investigator, Biology)



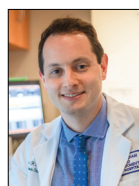
**Mahbubur Rahman, PhD**  
*Dartmouth College* (Junior Investigator, Physics)



**David Routman, MD**  
*Mayo Clinic* (Junior Investigator, Clinical)



**Ergys Subashi, PhD**  
*Memorial Sloan Kettering Cancer Center* (Senior Investigator, Physics)



**Benjamin Kann, MD**  
*Brigham and Women's Hospital/Dana-Farber Cancer Institute* (Junior Investigator, Clinical)



**Yuting Lin, PhD**  
*University of Kansas Medical Center* (Senior Investigator, Physics)

## Resident Recognition Awards

The Resident Recognition awards acknowledge outstanding abstracts submitted by early career scientists, biologists and physicists that were accepted into one of two presentation types — Quick Pitch Oral Scientific Session or Digital Poster Viewing. Up to 12 awards are given (up to three in each category). Winners receive a trophy to recognize their achievement.

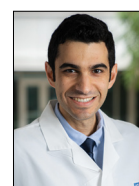
### Resident Recognition Award - Quick Pitch



**Oscar Padilla, MD**  
*Tufts University School of Medicine* (Biology)



**Anupam Rishi, MD**  
*Moffitt Cancer Center* (Clinical)



**John Nikitas, MD**  
*University of California, Los Angeles* (Physics)

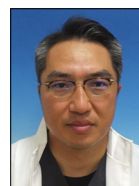
### Resident Recognition Award - Poster Viewing



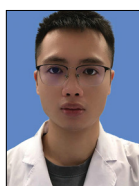
**Aaron Bush, MD**  
*Mayo Clinic* (Biology)



**Anneke de Haan, MSc**  
*University of Groningen* (Biology)



**Hiroaki Ogawa, MD**  
*Tokyo Metropolitan Cancer and Infectious Diseases Center, Komagome Hospital* (Biology)



**Jun-yan Li, MD**  
*Sun Yat-sen University Cancer Center* (Clinical)



**Curtis Clark, MD, PhD**  
*UAB Hazelrig Salter Radiation Oncology Center* (Clinical)



**Scarlett Acklin, MD**  
*Duke University* (Clinical)



**Hyunsoo No, MD, CMD**  
*Stanford University School of Medicine* (Physics)



**Haley Perlow, MD**  
*The Ohio State University Wexner Medical Center* (Physics)



**Hima Musunuru, MD, FRCR**  
*UPMC Hillman Cancer Center* (Physics)

## INDUSTRY-EXPERT THEATERS

SUNDAY, OCTOBER 23

### ♥ Theater 1

11:00 a.m. – 12:00 p.m.

Accuray Incorporated

*AI: Adapt Intelligently*

### ♥ Theater 2

11:00 a.m. – 12:00 p.m.

Castle Biosciences, Inc.

*Personalized Risk Assessment for High-Risk Squamous Cell Carcinoma Patients*

### ♥ Room 216, Meeting Level

11:00 a.m. – 12:00 p.m.

Blue Earth Diagnostics, Inc.

*Emerging Data on the Impact of Axumin® (fluciclovine F 18) PET Imaging on Radiotherapy Decisions*

### ♥ Theater 1

4:00 p.m. – 5:00 p.m.

GE Healthcare

*The Future of Radiation Therapy Interoperability: From Complex Care Coordination to Enhanced Collaboration*

### ♥ Theater 2

4:00 p.m. – 5:00 p.m.

Tae Life Sciences

*A Glimpse into the Future: Biologically Targeted Radiotherapy*

### ♥ Room 216, Meeting Level

4:00 p.m. – 5:00 p.m.

AstraZeneca

*The Role of Radiation Oncology in Managing Patients with Unresectable Stage III Non-Small Cell Lung Cancer*

## INDUSTRY SATELLITE SYMPOSIA

Sunday, October 23, 2022 | 6:00 p.m. – 8:00 p.m.

*This activity is supported through an independent educational grant from Novocure, Inc.*

**Harnessing Novel Synergies with Tumor Treating Fields: Insights on Improving Survival with Multimodal Care in Aggressive Tumors**

**Location:** Grand Hyatt San Antonio  
Texas Ballroom Salon A/B  
600 E. Market Street  
San Antonio, TX 78205

6:00 p.m. – 6:30 p.m.: Registration and Dinner  
6:30 p.m. – 8:00 p.m.: Symposium

➔ **For more information or to register for the live symposium in San Antonio, please visit <https://PeerView.com/SanAntonio22-Live>.**

**Accreditation:** In support of improving patient care, PVI, PeerView Institute for Medical Education, is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the health care team.

**CME Credits:** PVI, PeerView Institute for Medical Education, designates this live activity for a maximum of 1.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Target Audience:** This activity has been designed to meet the educational needs of radiation oncologists, medical oncologists, neuro-oncologists and other health care professionals involved in the care of patients with solid tumors.

### Learning Objectives:

Upon completion of this activity, participants should be better able to:

1. Cite the mechanistic rationale and clinical evidence on use of novel locoregional therapies (LRTs), such as tumor treating fields (TTFields), in the treatment of patients with glioblastoma multiforme (GBM) or malignant pleural mesothelioma (MPM)
2. Assess recent clinical trial evidence on emerging multimodal strategies incorporating TTFields across various solid tumor malignancies, including thoracic, abdominal, and gynecologic cancers
3. Incorporate TTFields into multimodal treatment plans, including in the context of clinical trials, for appropriately selected patients with GBM, MPM, and other solid tumors
4. Employ evidence and team-based strategies to mitigate and manage AEs associated with novel LRTs (eg, TTFields) in patients with solid tumors



Visit the Exhibit Hall

Halls 2-4

Learn more about the latest products in cancer treatment and care in the Exhibit Hall.

Open 10:00 a.m. – 5:00 p.m.,  
Sunday, October 23 – Tuesday, October 25.

**Exhibit Hall Networking Reception**  
Monday, October 24, 4:00 p.m. – 5:00 p.m.

All registered attendees are invited to the Exhibit Hall Networking Reception hosted by ASTRO and participating exhibiting companies. This is a great opportunity for you to meet with industry partners over a beverage and refreshments while learning about the latest products, technology and services. Your complimentary drink ticket is included with your registration materials.



**ASTRO  
RESOURCE CENTER**  
Main Lobby, Street Level

ASTRO representatives are available to answer questions about the Annual Meeting, ASTRO membership, continuing education, MOC requirements, session and meeting evaluations, and provide information on any of ASTRO's products and services. Additionally, badge ribbons are available for pick up for 25-year members, APEx participants, RO-ILS participants and ASTROnews Editorial Board members.

The booth is open today through Wednesday afternoon.



**SurvivorCircle**  
Main Lobby, Street Level

Stop by the Survivor Circle booth to meet this year's recipients of the Survivor Circle Grants: Breast Cancer Resource Center and ThriveWell Cancer Foundation. While there, fold an origami crane. According to Japanese tradition, folding 1,000 paper cranes gives a person a chance to make one special wish come true. Help us reach our goal of 1,000 cranes and make a wish for the comfort and healing of our cancer patients.

*Survivor Circle grants are generously funded by Annual Meeting sponsors.*

## Industry-Expert Theater



# Controversies and Myths about Prostate Cancer Rectal Spacing

**Monday, Oct. 24, 2022**  
**12:00 – 1:00 pm CT**  
**Room 216, Meeting Level**

Lunch will be provided\*

### MODERATOR



#### Sean P. Collins, MD, PhD

Associate Professor of Radiation Medicine at Georgetown University School of Medicine, Washington, D.C.  
Director of the CyberKnife Prostate Program at MedStar Georgetown University Hospital, Washington, D.C.

### PRESENTERS

#### Top Five Myths of Prostate Cancer Rectal Spacing



#### Brian J. Davis, MD, PhD

Professor of Radiation Oncology,  
Rochester, MN

#### Who Benefits the Most from Hydrogel Rectal Spacing?



#### Neil K. Taunk, MD, MSCTS

Director, Brachytherapy at PennMedicine  
Director, Imaging Sciences, Asst Professor of  
Radiation Oncology and Radiology,  
Hospital of the University of Pennsylvania

#### Optimizing the Safety, Quality and Reproducibility of Rectal Spacing



#### Michael J. Zelefsky, MD

Professor of Radiation Oncology, Chief,  
Brachytherapy Service, Director of GU  
Radiation Oncology, Memorial Sloan  
Kettering Cancer Center, New York, NY

**ASTRO Annual Meeting 2022 | Visit booth #1361**

\*This invitation is extended only to Healthcare Providers. Spouses and other guests are not permitted to attend. Vermont licensed physicians are not permitted to attend. Additionally, Government employees should consult with their agency's or institution's ethics officer or ethics committee to confirm your attendance is permitted.

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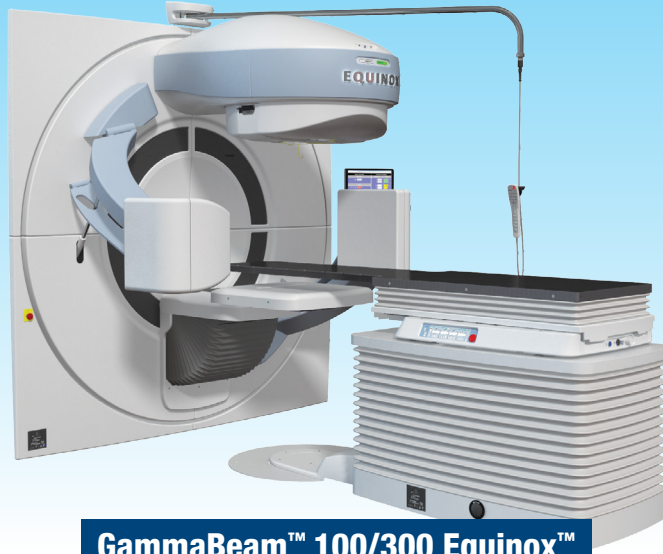


## Best GammaBeam™ 100/300 Equinox™ Teletherapy System with Avanza™ 6D Patient Positioning Table

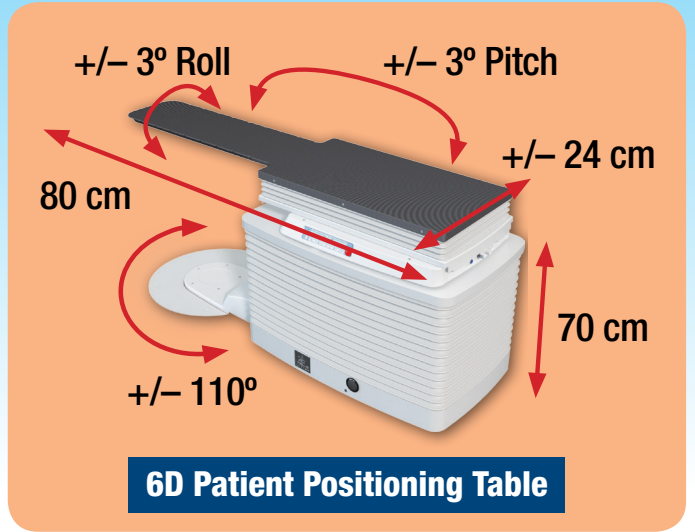
With **NEW** Multi-Leaf Collimator for 80 and 100 cm SAD units — IMRT, IGRT, SRS, SBRT and Tomotherapy capable with ActiveRx



Patent Pending



GammaBeam™ 100/300 Equinox™



6D Patient Positioning Table

