

71st Annual International Meeting

Call for Abstracts

San Juan, Puerto Rico ■ Hilton Caribe
September 21 – 24, 2025



I am thrilled to announce the 71st Annual Meeting of the Radiation Research Society, set in the heart of San Juan, Puerto Rico. This year's event, held at the iconic Hilton Caribe from September 21-24, 2025, combines the brilliance of radiation science with the vibrant energy and natural beauty of the Caribbean.

Known as the Birthplace of the Piña Colada (!), the Hilton Caribe provides the perfect venue for fostering innovation, sharing groundbreaking research, and building connections that strengthen the radiation science community. On September 20, we will kick off the event with pre-meeting workshops tailored for RRS Scholars-in-

Training and Early Career Investigators—a full day dedicated to professional growth and networking.

Members of the program committee have curated an exceptional lineup, highlighting cutting-edge topics at the forefront of radiation research. Key topics include novel radiation-based treatment approaches and standards for precision medicine, applications and development of large-scale facilities for ion therapy, the impact and use of AI in radiation science, advances in multi-scale modeling, dosimetry and biodosimetry, the intersection of immunology and radiation effects, current strategies for the development of medical countermeasures, and emerging needs in radiation research, from fusion to space travel. These themes reflect our Society's unique commitment to tackling pressing scientific challenges while embracing opportunities for innovation and collaboration in this rapidly advancing discipline.

San Juan's unique blend of rich history, vibrant culture, and stunning scenery provides an inspiring backdrop for this gathering. Participants will have opportunities to engage in forward-looking discussions and collaborative exchanges spanning radiation physics, chemistry, biology, epidemiology, and medicine, all while delving deeper into what it means to 'Live Boricua'.

This annual meeting is more than a conference—it's a chance to rekindle connections, establish new partnerships, and contribute to the collective progress of our field. Puerto Rico's welcoming spirit and lively setting promise an unforgettable experience for all attendees.

Be part of this exciting journey and share your experiences using #RadRes2025 on social media. Let's come together to make this year's meeting the most impactful and enjoyable yet. The sun, sea, and science of San Juan await you!

Rebecca J. Abergel, PhD
Vice-President, Radiation Research Society
Chair, 2025 Annual Meeting Program Committee





RRS 2025 Call for Scientific Abstracts

ABSTRACT SUBMISSION

All abstracts must be submitted online. To avoid delays in your submission, prepare your abstract offline and save it as a text, Word, or WordPerfect (.txt., .doc, or .wpd) file before starting. The abstract size is limited to 2,000 characters (not including spaces). Be sure your abstract is accurate before you complete the submission and retain the control number you receive upon completion. Web-based abstract submission is available at www.radres.org.

NOTES REGARDING SUBMISSION PROCESS:

- You are able to submit your abstract without the added step of obtaining an RRS Member to act as your sponsor
- You will have the option to submit to “**Poster Session Only**” or if you would like to submit to be considered for an “**Oral Presentation**” spot. You will need to select the category that is most relevant to your work
- **Please do not submit duplicate posters**
If your poster is not selected for the “Oral Presentation,” it will automatically be considered for the Poster Session and you will be notified.
- Reminders:
Your membership must be up to date for 2025.
Each individual may only be the presenting author on one poster per category. The presenting author must be registered for the meeting by July 29, 2025.

REGISTRATION & HOTEL

The RRS 2025 Annual International Meeting will be held at Hotel Caribe in San Juan, Puerto Rico. All presenters at the RRS 2025 meeting are expected to register for the meeting. Meeting registration and hotel reservations will be accepted online starting in mid-March. More information will be forthcoming and available through the RRS website.

IMPORTANT DATES

March 18, 2025
Registration Site Opens

March 18, 2025
Submission Site Opens
(*Scientific, SIT, ECI*)

April 24, 2025
Submission Site Closes
(*Scientific, SIT, ECI*)

May 29, 2025
Travel Award & Poster
Notifications

July 29, 2025
Deadline for Poster Presenters
to Register for Meeting



ORAL SUBMISSION CATEGORIES

Top scoring abstracts will be selected for the following planned oral sessions within topics ranging from

- **Advances in Development, Evaluation, and Use of Radiopharmaceuticals**
- **Advances in Dosimetry and Biodosimetry**
- **AI Modeling in Radiation Therapy & Biology**
- **Big Data and AI/ML Tools and Methods for Radiation Epidemiology**
- **Carbon/Hadron Therapy - A Biology Focus**
- **CNS Tumor & Normal Tissue Responses to Radiation**
- **Contemporary Issues and Knowledge in Space Radiation**
- **DNA Repair/Genomic Instability**
- **Dose Estimation for Radiation Protection and Population Studies**
- **ECl Spotlight Symposium**
- **Environmental Effects of Radiation**
- **FLASH Radiation Mechanisms and Applications**
- **Genomic Determinants of Tumor Radiation Response**
- **History - Key Events in Epidemiology**
- **Immuno/Radiation Oncology**
- **Large Animal Models in Radiation Research**
- **Liquid Biopsy Technologies and Biomarker Discovery**
- **Medical Countermeasures against Radiation**
- **New Radiation Instrumentation, Infrastructure, and Facilities**
- **Normal Tissue Responses**
- **Radiation and Tumor Immunology**
- **Radiation Combination Therapies**
- **Radiation Effects on Immune Cells and Tumor Microenvironment**
- **Radiation Modeling: Micro- and Nanodosimetry**
- **Radiologic, Epidemiologic, and Ecologic Impact of Vieques Munitions Testing**
- **Radionuclide Decorporation Agents and Chelation Therapy**
- **Radiopharmaceutical Dosimetry**
- **The Future of Radiation Research in a Multidisciplinary Era**

ABSTRACT CONTENT AND FORMAT

All presentations must be scientific in nature and without inclusion of commercial messages or inappropriate references to specific products, services, or commercial concerns. The title should be in lowercase letters with only the first word capitalized. The body of the abstract should be single-spaced.

EXAMPLE: *Temperature dependence of ionizing radiation effect on dry preparations of bacterial enzymes.*

PRESENTATION

Poster dimensions are limited to 4'x4' (1.21m x 1.21m). Each poster should include a heading with title and author (s) using lettering at least 22mm (1") high. The abstract should be part of the poster presentation. The legible print should be viewable from 1 meter away. Therefore, lettering should be heavy and at least 10mm (3/8") high.

PROGRAM AND ABSTRACTS

The Program Book will be distributed onsite to meeting registrants and an Abstract PDF will be emailed to registered attendees approximately 2 weeks prior to the meeting. Meeting content will be available online prior to the meeting.



Scholars-in-Training (SIT)

SIT TRAVEL AWARD APPLICATION

Applications for the SIT Travel Awards shall be completed online at the time the abstract is submitted. To avoid any delays in submission, prepare a brief resume (2-page limit) offline and save it as a text, Word, or WordPerfect (.txt, .doc, or .wpd) file before starting your online application. The resume should describe your:

1. Educational background (include degree & dates– MM/YY)
2. Honors and relevant experience
3. Description of current training program and objectives, including a description of how the program relates to the radiation sciences
4. List of relevant publications

SIT TRAVEL AWARD CRITERIA

RRS shall provide travel awards to RRS Student/Trainee members which are designed to offset registration costs, encourage participation of Students/Trainees at the meeting, and to recognize the quality of their scientific submissions. Your travel award will be available to you on-site at the annual meeting during the designated pick-up hours (posted at the meeting). Selection of Student/Trainee Travel Award recipients shall be based upon an evaluation of their abstracts and travel award application. The criteria for consideration are:

1. An RRS Student/Trainee member may apply for a Student/Trainee Travel Award, regardless of current degree, as long as they are working toward a higher degree (e.g. PhD, MD, and DVM) or is in a post-graduate training program (post-doctoral, research associate etc.)
2. The online application must list a supporting faculty sponsor or the institution's department chair.
3. The applicant must submit an abstract via online submission by the April 29, 2025 (5:00pm, ET) deadline.
4. Each applicant must be an RRS member or have a membership application pending.
5. The Student/Trainee applicant may be awarded travel support for only 3 (calendar) years and no more.

SIT WORKSHOP

In its 15th year, the Scholars-in-Training (SIT) Workshop will be held on Saturday, September 20, 2025, which is one day prior to the start of the RRS Meeting. The aim of the educational workshop is to provide young scientists, post-doctoral fellows, and graduate students with a fundamental knowledge of radiobiological principles and an in-depth understanding of current issues in the field of translational research.





Early Career Investigator (ECI)

ECI TRAVEL AWARD APPLICATION

The RRS-ECI Committee will be offering travel awards to top scoring abstracts. You must be a Full or Sponsored Faculty Member of RRS, in good standing, to apply for an award. If you are not currently a Full or Sponsored Faculty member of RRS, please contact erica@radres.org for assistance or join online at radres.org. To avoid any delays in submission, prepare a brief resume (2-page limit) offline and save it as a Word or Word Perfect (.txt, .doc, or .wpd) file before starting your online application. The resume should describe your:

1. Educational background (include degree & dates– MM/YY)
2. Honors and relevant experience
3. Description of current training program and objectives, including a description of how the program relates to the radiation sciences
4. List of 2 relevant publications

ECI TRAVEL AWARD CRITERIA

RRS shall provide travel awards to RRS ECI members which are designed to offset travel and meeting costs, encourage participation of ECIs at the meeting, and to recognize the quality of their scientific submissions. Your travel award will be available to you onsite at the annual meeting during designated pick-up hours (posted at the meeting). Selection of ECI Travel Award recipients shall be based on an evaluation of their funding needs as identified in your application and quality of your abstract. The criteria for consideration are:

- Applicant must be a full RRS Member in good standing or have membership pending.
- The ECI applicant must submit an abstract via online submission by April 29, 2025 (5:00pm ET) deadline.

Further educational and career opportunities are available to ECI's throughout the meeting.

IMPORTANT DATES

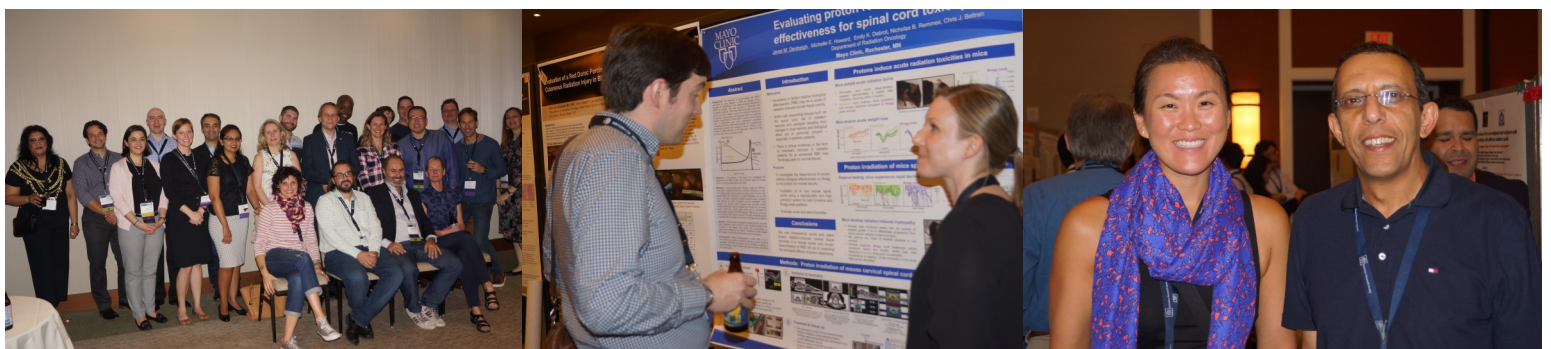
March 18, 2025
Registration Site Opens

March 18, 2025
Submission Site Opens
(*Scientific, SIT, ECI*)

April 29, 2025
Submission Site Closes
(*Scientific, SIT, ECI*)

May 29, 2025
Travel Award & Poster
Notifications

July 29, 2025
Deadline for Poster Presenters
to Register for Meeting



Continuing Education Credits

ACCREDITATION STATEMENT AND INFORMATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Medical Education (ACCME) through the joint relationship of the AMECDO and the Radiation Research Society (RRS). AMEDCO is accredited by the ACCME to provide continuing medical education for physicians.

FACULTY DISCLOSURE

In accordance with the ACCME guidelines, RRS requires all faculty speakers to disclose all commercial relationships relative to the content of this CME activity. Individual faculty disclosure will be provided in the course syllabus for the General Session. All presentations will be peer reviewed for fair balance and evidence based medicine.

