



RRS 2024 ANNUAL MEETING

TUCSON, ARIZONA
THE WESTIN LA PALOMA
SEPTEMBER 15 - 18, 2024

2024 CALL FOR ABSTRACTS



Welcome to the 70th Annual Meeting of the Radiation Research Society in Tucson,



Arizona, surrounded by the stunning Sonoran Desert. Hosted at the Westin La Paloma, nestled by the Catalina Mountains, this year's event from September 15-18, 2024, promises a unique gathering of minds in the field of radiation science.

Under the warm desert sun, the Westin La Paloma transforms into a haven for exchanging cutting-edge ideas, celebrating advancements, and fostering connections among radiation science professionals. On September 14th, pre-day workshops await RRS Scholars-in-Training and Early Career Investigators, offering a day of learning and networking.

The program committee, representing the vibrant Radiation Research Society scientific community, has curated an exceptional scientific program. Emphasizing changing standards of care, treating lethal cancers, space and genetics, AI imaging, precision medicine, innovative radiotherapy, radiopharmaceuticals, molecular mechanisms, and radioprotection, this year's focus reflects the post-pandemic environment and global concerns.

Tucson, with its cultural diversity and natural wonders, sets an ideal backdrop for the exchange of ideas. Against the panoramic beauty of the Catalina Mountains, attendees are encouraged to share research and engage in discussions covering radiation physics, chemistry, biology, epidemiology, and medicine.

As we gather once again, the meeting not only serves as a platform for scientific exchange but also an opportunity to renew old friendships and cultivate new connections. Tucson, with its warm hospitality, sets the stage for a memorable RRS meeting. Don't miss the chance to be part of this enriching experience. Share your excitement, connect with fellow attendees, and capture the moments using #RadRes2024 on social media. The desert landscape of Tucson awaits, offering the opportunity to contribute to the best and most memorable RRS meeting yet. See you there

Douglas R. Boreham, PhD
Vice-President, Radiation Research Society
Chair, 2024 Annual Meeting Program Committee





RRS 2024 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 2024.
Each individual may only be the presenting author on one poster per category. The presenting author must be registered for the meeting by July 22, 2024.

REGISTRATION & HOTEL

The RRS 2024 Annual International Meeting will be held at the Westin La Paloma Resort & Spa in Tucson, AZ. All presenters at the RRS 2024 meeting are expected to register for the meeting. Meeting registration and hotel reservations will be accepted online starting in early-March. More information will be forthcoming and available through the RRS website.

IMPORTANT DATES

March 4, 2024
Registration Site Opens

March 11, 2024
Submission Site Opens
(*Scientific, SIT, ECI*)

April 17, 2024
Submission Site Closes
(*Scientific, SIT, ECI*)

May 22, 2024
Travel Award & Poster
Notifications

July 22, 2024
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 molecular radiation therapy, normal tissue effects of radiation, radiation physics and chemistry to clinical trials of radiation therapy:

AI

Background Radiation– Terrestrial and Cosmic
Countermeasures–Traditional and Non-Pharmaceutical
DNA Damage Response Pathways
Dosimetry, Biological Dosimetry, Biomarkers
Effect of Radiation on Psychology, Biological Impact, Behaviour (Clinical), Occupational Study
Epigenetics
Evolving Tumor Micro Environment
Flash Radio Therapy Mechanisms
Global Epidemiology Updates
Going Beyond mRNAs Role in Radiation Response
History– Is it Hot in Tucson? The History of Hyperthermia in the Radiation Research Society.
Ion Particle Responses (Physical, Biological and Chemical Radiobiology)
Metabolism in Radiation Medicine
New Techniques in Radiotherapies

Non-Cancer Radiation Treatments
Non DNA Targets Critical for the Normal Tissue Response
Non traditional Radiation Therapies (Immunology, Infections)
Radiation & Microbes
Radiation Combination Therapies
Radiation Immunology
Radiation Risk from Occupational Exposures
Radiation Cures in Pediatrics
Radiopharmaceuticals, Actinides in Medicine
Radiosensitization-Chemical Nanoparticles
Regenerative Medicine in the Radiation Sciences
ROBIN Evolution of Radiation Response
Space Radiobiology
Tissue Chips and Model Systems
Medicine/Biomarkers
Physics/Biophysics

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 12, 2023 (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 14th year, the Scholars-in-Training (SIT) Workshop will be held on Friday, September 13, 2024, 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 July 22, 2024 (5:00pm ET) deadline.

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

IMPORTANT DATES

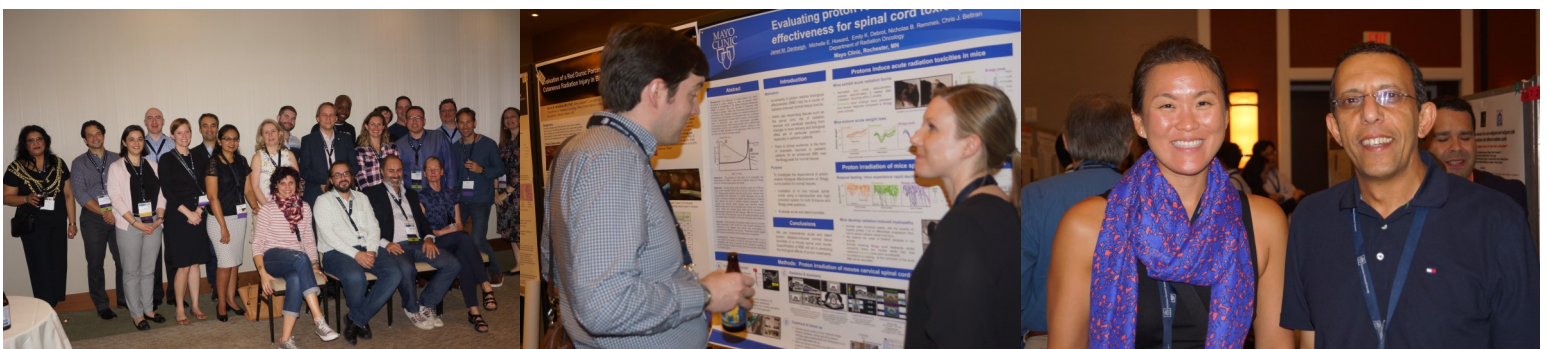
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Continuing Education Credits

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.

