

# CALL FOR SCIENTIFIC ABSTRACTS



*United in Science*

October 3-6, 2021 | San Juan, Puerto Rico



67th Annual International Meeting  
**UNITED IN SCIENCE**



**October 3-6, 2021**  
San Juan | Puerto Rico



The 67th Annual Meeting of the Radiation Research Society (RRS) will be held at the Hotel Caribe in San Juan, PR Sunday, October 3 through Wednesday, October 6, 2021, with the one-day RRS Scholars-in-Training Workshop scheduled for Saturday October 2, 2021.



Members of the Program Committee have assembled an outstanding scientific program highlighting the state-of-the-art in radiation sciences, with particular emphasis this year on new and advanced radiotherapy delivery techniques, molecular mechanisms, and epidemiology and radiation protection topics. Continuing this year will be the inclusion of CME credits for selected scientific sessions.

It's been far too long, and we look forward renewing old friendships and forging new ones in San Juan. Come to experience and discuss all the latest in radiation physics, chemistry, biology, epidemiology, and medicine. We are also developing a hybrid meeting option to support those still unable to travel, so don't hesitate! Contribute your latest research and let's make this the best and most memorable RRS meeting yet. Don't forget to share your excitement and connect with other attendees using #RadRes2021 on all social media channels!

See you in San Juan,

**Sally Amundson, Sc.D.**

Chair, RRS 2021 Program Committee



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## RRS 2020 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](http://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 2021.  
Each individual may only be the presenting author on one poster per category. The presenting author must be registered for the meeting by August 30, 2021.

### REGISTRATION & HOTEL

The RRS 2021 Annual International Meeting will be held at the Hotel Caribe in San Juan, Puerto Rico. All presenters at the RRS 2021 meeting are expected to register for the meeting. Meeting registration and hotel reservations will be accepted online starting in mid-May. More information will be forthcoming and available through the RRS website.

### IMPORTANT DATES

**May 17, 2021**

Registration Site Opens

**May 17, 2021**

Submission Site Opens  
(*Scientific, SIT, ECI*)

**June 24, 2021**

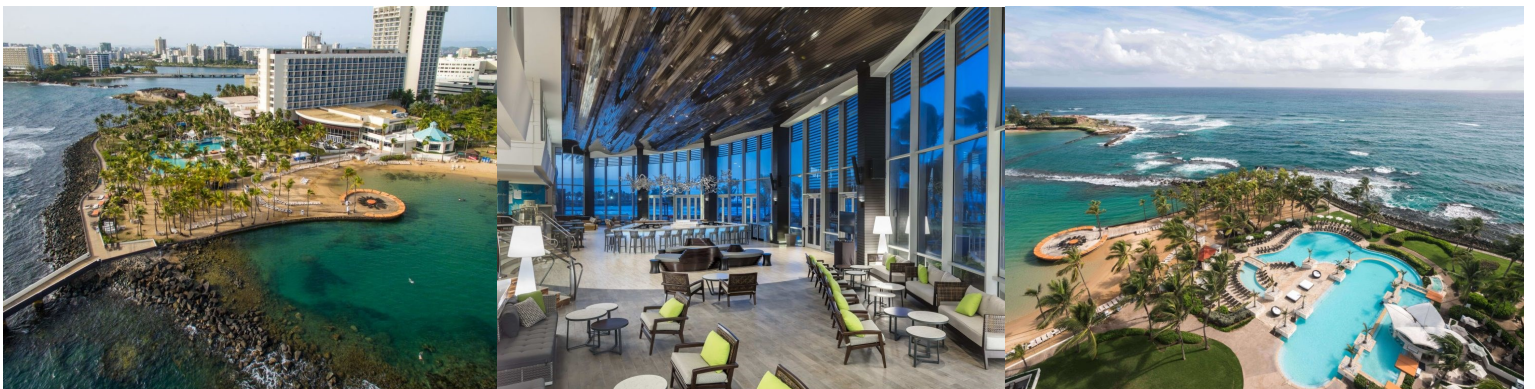
Submission Site Closes  
(*Scientific, SIT, ECI*)

**Mid-July**

Travel Award & Poster  
Notifications

**August 30, 2021**

Deadline for Poster Presenters  
to Register for Meeting



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## 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:

### Age Effects on Radiation Response

#### Applications of UV

#### Below Background and Low Dose Radiobiology

#### DNA Damage Mechanisms

#### DNA Damage Response

#### Dosimetric Methods in Epidemiology

#### Epidemiology of Lung Cancer Following Radiation Exposure

#### Flash Mechanisms

#### Flash Preclinical Studies

#### Flash RT in Veterinary and Clinical Medicine

#### Heavy Ion Radiotherapy

#### Low Dose RT for COVID, Other Inflammatory Diseases

#### Machine Intelligence for Radiation Science

#### Metabolism and DNA Repair

#### Non-coding RNA

#### Normal Tissue Toxicity in Radiation Oncology

#### Radioprotectors and Radiosensitizers

#### Radiation and Anti-tumor Immunity

#### Radiation and Circulatory Effects

#### Radiation and CNS Effects

#### Radiation and Senescence

#### Radiation Countermeasures

#### Radiation Disasters—Epidemiology and Long-term Effects

#### Radiation Dosimetry / Physics and Implications for Space Exploration

#### Radiation Induced Cell Death

#### Radiogenomics in Radiation Therapy

#### Sex Effects in Radiation Biology and Medicine

#### Space Radiobiology

#### Biology

#### Epidemiology

#### Medicine

#### Radiation Chemistry

#### Radiation Physics

#### Other

## 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.

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## 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 of up to \$800 (depending on the availability of funds), which is inclusive and designed to offset travel and meeting costs, encourage participation of SITs 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 SIT Travel Award recipients shall be based upon an evaluation of their abstracts and travel award application. The criteria for consideration are:

1. A person may apply for a SIT Travel Award, regardless of current degree, as long as he/she is 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 June 24, 2021 (5:00pm, ET) deadline.
4. Each applicant must be an RRS member or have a membership application pending.
5. The SIT applicant may be awarded travel support for only 3 (calendar) years and no more.

### SIT WORKSHOP

In its 12th year, the Scholars-in-Training (SIT) Workshop will be held on Saturday, October 2, 2021, 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.



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## 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 [audrey@radres.org](mailto:audrey@radres.org) for assistance or join online at [radres.org](http://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 of up to \$800 (depending on availability of funds), which is inclusive and 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.
- ECI application must be completed and approved by the ECI Committee Chair.
- The ECI applicant must submit an abstract via online submission by June 24, 2021 (5:00pm ET) deadline.

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

### IMPORTANT DATES

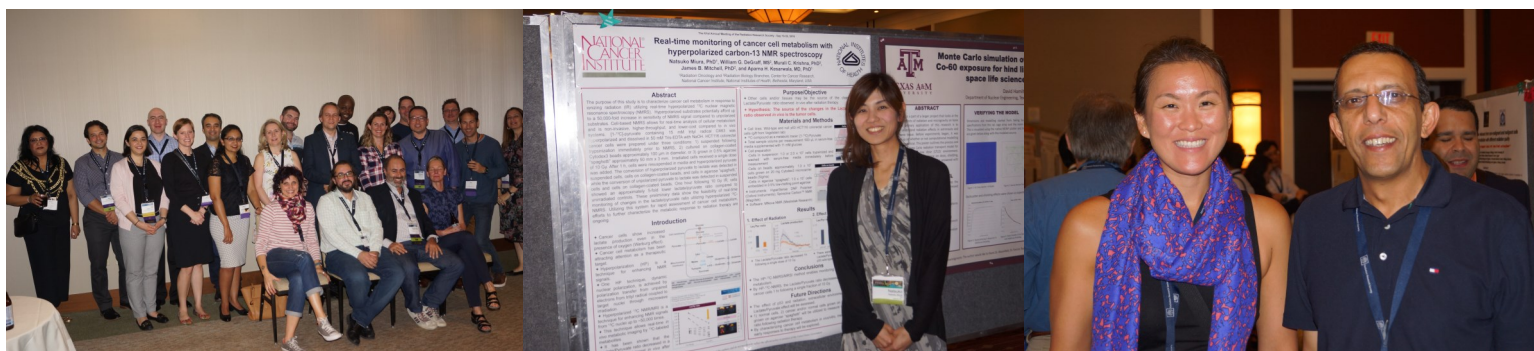
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## Continuing Education Credits

### 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 AMEDCO 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.

