17TH INTERNATIONAL CONGRESS FOR RADIATION RESEARCH

MONTREAL, QUEBEC
AUGUST 27 - 30, 2023

2023 CALL FOR ABSTRACTS
The 17th International Congress for Radiation Research (ICRR) will be held at the Convention Center in Montreal, Canada, on August 27-30, 2023. Every 4 years, ICRR brings together brilliant, passionate scientists from Research Societies around the globe. This year, the meeting will be combined with the 69th Annual Meeting of the Radiation Research Society (RRS). This international Congress will allow researchers in the diverse radiation science disciplines to showcase and discuss their findings, stimulate collaboration on new research topics and promote the multidisciplinary nature of our field. Members of the Program Committee have assembled an outstanding scientific program, including world-class plenary speakers, a debate session, and 5 parallel interdisciplinary tracks for symposia and topical reviews covering the state-of-the-art in radiological sciences. The five highlight themes this year are: 1) Mechanisms in Radiation Effects, 2) High LET Radiation, 3) Emerging Therapy Approaches, 4) Low Dose, Environment, Radiation Protection and Epidemiology, and 5) New Applications in Omics, Big Data and AI. Latest scientific data will be presented with each symposium featuring two presentations by renowned experts in the field and several speakers selected from the best submitted abstracts with over half of the scientific speakers selected from abstracts. In addition, we will have 8 interactive poster sessions to present your work, learn and network. The program would not be complete without social activities around the scientific program, including a final night banquet where we all come together to celebrate the presented science and awardees of various organizations. The historical city of Montreal will host this event, offering the flair of a lively city and an abundance of cultural activities around the congress. The meeting venue is located at the heart of Montreal with access to entertainment, shopping, hotels, and more.

Please consider including the ICRR and Montreal in your conference plans this year and to contribute your latest research to make this a truly memorable, friendly, and interactive meeting at the forefront of radiation sciences.

**Jan Schuemann, PhD**  
Chair, 17th ICRR Program Committee
ICRR 2023 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, and not including the title or authors). Be sure your abstract is accurate before you complete the submission and retain the control number you receive upon completion.

Notes Regarding Submission Process:
- You will have the option to submit to the “Oral Presentation” or the “Poster Only” category. Please only select one category, do not submit the same poster to both categories.
- 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: Each individual may only be the presenting author on one poster per category. The presenting author must be registered for the meeting by July 28, 2023.

REGISTRATION & HOTEL
The ICRR 2023 Meeting will be held at the Palais des congrès de Montréal in Montréal, Quebec, Canada. All presenters at the 2023 meeting are expected to register for the meeting. Meeting registration and hotel reservations will be accepted online starting in January 2023. More information will be forthcoming and available through the ICRR event website. The primary host hotel for the event is Le Westin Montréal, located directly adjacent to the meeting space.
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 in Imaging
- AOPs
- Biomarkers, Biodosimetry
- Cancer Metabolism
- Chromatin Architecture, Epigenetics
- Combined Stressors for Space Exploration
- Countermeasures, Preparedness, Responses
- DNA Damage and Repair
- Dosimetry
- FLASH Mechanism
- Immune Response to Radiation
- Large Epidemiology Studies
- Low Dose and Dose Rate
- Microbiome
- Microenvironment and Hypoxia
- ML for Treatment and Outcome Prediction
- Multi-Scale Modeling
- Nanotechnology
- Non-Cancer Effects
- Out of Field and Systemic Effects
- Proton and Heavy Ion Therapy
- Radiation Carcinogenesis, Second Malignancies
- Radiation Omics
- Radiation Protection
- Radioecology
- RBE
- RNA
- RT and Immunomodulation
- Space Radiation
- Spatial Fractionation
- Towards Clinical FLASH
- Biology
- Chemistry
- Epidemiology
- Medicine
- 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 with legible print 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.
Student/Trainee

STUDENT/TRAINEE TRAVEL AWARD APPLICATION
Applications for the Student/Trainee Travel Awards will be part of the abstract submission process. You will be expected to 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/CV 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

STUDENT/TRAINEE 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.

STUDENT/TRAINEE WORKSHOP
There will be a Student/Trainee Workshop held on Saturday, August 26, 2023, which is one day prior to the start of the ICRR 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 audrey@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 12, 2023 (5:00pm ET) deadline.

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