



Radiation Research Society

Scholars in Training (SIT)

Newsletter January 2015

Forward / Announcements

Dear SIT Members,

As this is the first SIT newsletter of 2015, I shall start by wishing you all a Happy New Year! I hope you are all rested after a well-deserved break, with plenty of energy to pick up where you left off in 2014.

For me, I try to channel the reinvigoration and optimism I feel after the break into my work and the twelve months ahead. As we all know, research can be disheartening; when a paper is rejected, a grant not funded, or an experiment fails. But, there is hope! Later on in this newsletter, you will see a whole host of upcoming conferences - AACR, ICRR, AAPM, ECCO, ASTRO and more. Many of them are now accepting abstracts submissions. Conferences are a great way to give your research and yourself a good scientific boost. You can learn from others, experiences with your scientific method, give advice, and even feel like an expert in your own field!

I know it can be difficult sometimes to prepare something comprehensive, as it all depends on where one is in their current experiments or clinical trial. But I think it's always worth preparing something, even if the only benefit is to create more concrete experimental hypotheses.

Conferences are also a good way to promote you as well as your research expertise. As SITs, we are often looking for jobs post-PhD. Whether it is a postdoc, faculty position or industry job, conference networking is an excellent way to find your potential employer and make a name for yourself in your respective field.

In more ways than one, this will be a great year for the Radiation Research Society. In May, ICRR will take place in Kyoto, Japan with a fantastic speaker list already advertised. Although, abstract submission is closed, the RRS annual meeting in September in Reston, Florida will be accepting abstracts as of next month.

On that note, I wish you all a great start to the year and all the best in your abstract submissions for 2015!

Olivia Kelada MSc, SIT Committee Member

Recent SIT publications

Rahmanian S, Taleei R, Nikjoo H: [Radiation induced base excision repair \(BER\): a mechanistic mathematical approach](#), *DNA Repair* (Amst.) 22:89-103, 2014.

Mills CE, Thome C, Koff D, Andrews DW, Boreham DR: [The Relative Biological Effectiveness of Low-Dose Mammography Quality X Rays in the Human Breast MCF-10A Cell Line](#), *Radiation Research* 183(1):42-51, 2015.

Steglich A, Vehlow A, Eke I, Cordes N: [\$\alpha\$ integrin targeting for radiosensitization of three-dimensionally grown human head and neck squamous cell carcinoma cells](#), *Cancer Lett* 357(2):542-8, 2015.

Rockne R, Trister A, Jacobs J, Hawkins-Daarud A, Neal M, Hendrickson K, Mrugala M, Rockhill J, Kinahan P, Krohn K, Swanson K. [A patient-specific computational model of hypoxia-modulated radiation resistance in glioblastoma using 18F-FMISO-PET](#), *Journal of the Royal Society Interface*, 12:1174,2014.

Fontanella AN*, Boss MK*, Hadsell M, et al. [Effects of High-Dose Microbeam Irradiation on Tumor Microvascular Function and Angiogenesis](#), *Radiation Research* Jan 2015, (Epub ahead of print)

Hufnagl A, Herr L, Friedrich T et al., [The link between cell-cycle dependent radiosensitivity and repair pathways: A model based on the local, sister-chromatid conformation dependent switch between NHEJ and HR](#), *DNA Repair* 27, 28-39, 2015.

Mothersill C, Austin D, Fernandez-Palomo C, Seymour C, Auchinachie N, Austin B. [Rescue of fish exposed to a lethal dose of pathogen, by signals from sublethally exposed survivors](#). *Fems Micro Lett*, Dec 2014 (Epub ahead of print)

Upcoming professional meetings and courses

The National Council on Radiation Protection (NCRP) is planning its 2015 annual meeting in Bethesda, Maryland from March 16th to 17th 2015. www.ncrponline.org This meeting, with the theme "***Changing Regulations and Radiation Guidance: What Does the Future Hold?***", will be an excellent learning opportunity for our young investigators of the Society. In line with promoting career developments of our young Scholars in Training and junior faculty, the Radiation Research Society will provide travel awards to two SITs and one junior faculty/ clinician scientist (assistant professor or equivalent level) to attend the meeting. Each award will be up to a maximum of \$1,000 which covers economy airfare, two nights of hotel stay, ground transportation and per diem meal charges. Please note that NCRP meeting has no registration charge.

Applications (brief 2-page CV and a personal statement describing how this meeting will be helpful in his/her career development) should be sent to Carrie Kovash of the Radiation Research Society (carrie@radres.org), by **February 13th, 2015**. The awardees will be

selected by the Awards and Honors Committee of the Society, chaired by Kathryn D. Held, PhD. Notification of funding will be provided by February 20th, 2015.

American Association for Cancer Research Annual Meeting, Apr 18-22, 2015:

Abstract submission open: [More information](#)



International Congress of Radiation Research, May 25-29, 2015:

Abstract submission closed: [More information](#)



Wolfsberg Meeting on Molecular Radiation Biology / Oncology, June 20-22, 2015:

Abstract submission open: [More information](#)



Annual American Association of Physicists in Medicine Meeting, July 12-15, 2015:

Abstract submission open: [More information](#)



European Cancer Congress, Sept. 25-29, 2015: Registration open: [More information](#)



American Society for Radiation Oncology Annual Meeting, Oct. 18-21, 2015

Abstract submission open: [More information](#)



Do you know of any upcoming professional meetings? Please let us know, email details to pblack@wakehealth.edu

Career opportunities

Multiple Faculty Positions, Biophysics / Biomedical Engineering / Biochemistry, Heriot Watt University, Edinburgh, Scotland: [More Information](#)

Assistant Professor, Radiation Physics, East Carolina University, USA: [More information](#)

PhD position on Stereotactic ablative radiotherapy, Radiation Physics, Queen's University Belfast, Northern Ireland: [More information](#)

For more jobs see academicjobs.org

SIT Committee Contact Details

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