



Radiation Research Society

Scholars in Training (SIT)

Newsletter June 2015

Forward

Dear SIT Members,

Working as a scholar in training implies many important questions. Some of them we face regularly: What should I study? What experiments should I do? Where and how can I perform them? Probably less frequently we also ask some more general questions: Do I really want to pursue a research career? And if yes, do I have the skills to be a good researcher? This question became particularly important for me during my PhD studies. For the answer, I also had to know the definition of “good researchers”, so I went to some professors asking for the definition.

I have received many different answers. The most humorous was that good researchers are researchers considered to be good researchers by good researchers ☺. Another professor said that good researchers do not have the same skills, e.g. talent is quite useful but not necessary if you are hard-working enough to produce a huge amount of data which is always needed by science. Finally I got one of the most useful answers when a professor started to praise another one’s skill in finding relevance for their work.

He mentioned an example when his colleague solved a problem about the motion of particles in a gas. It could have been published in a low impact Hungarian journal, however, the praised professor realized that the given problem of particle motion is equivalent to a problem of motion of human beings in a crowd, and so the solution applies to this problem too. Although the original problem of particle motion is so simple that it could be solved by many physicist students, thanks to the new context, the study was published in Nature.

There are many skills which can make you good in research. Anyway, finding relevance to your daily work may be an important advantage in your career. In many cases, you do the same experiments or the same calculations, as your peers. It is a new relevance, another context which can make the difference. If you find it, you may find the importance, either before you start the work or just after the research is done.

Summer is here, and many of us will step backwards from our daily routine. It may be the time to look for the broader picture and find a new frame of our research. It can be a starting point for a research proposal or to find your next job, so ask: where could I apply my research outside my present field? If you always focused on your narrow research interests, conferences like the RRS meeting can be quite helpful in widening your horizon. Due to the wide scope of radiation research, many opportunities are

open for us. Maybe your therapy motivated work can be applied in radiation protection research, or your ground related radon studies are applicable to space flights. You know it better than me. The SIT publications, the upcoming meetings and the job postings provided in this newsletter can be considered from this perspective. They may help you in finding new context for your research.

Finally, enjoy your summer holidays, and come back prepared for fresh ideas.

Balázs Madas, PhD, SIT Committee Member

P.S. Poster Notifications were sent out via email in early June. If you did not receive one, please contact Audrey Rinehart (audrey@radres.org). Presenters MUST be registered for the meeting no later than Wednesday July 29, 2015 in order to guarantee your poster presentation. We are currently in the Advanced Registration phase for the 2015 RRS Annual Meeting. The Program Committee has put together an [outstanding program](#). [REGISTER NOW](#).

Recent SIT publications

- Boss, M.-K., Dewhirst, M., 2015. A Tribute to Philip Marcus and the Development of the Clonogenic Assay. *Radiat. Res.* 183, 497–500. doi:[10.1667/RR14048.1](https://doi.org/10.1667/RR14048.1)
- Dickreuter, E., Eke, I., Krause, M., Borgmann, K., van Vugt, M.A., Cordes, N., 2015. Targeting of $\beta 1$ integrins impairs DNA repair for radiosensitization of head and neck cancer cells. *Oncogene*. doi:[10.1038/onc.2015.212](https://doi.org/10.1038/onc.2015.212)
- Poschau, M., Dickreuter, E., Singh-Müller, J., Zscheppang, K., Eke, I., Liersch, T., Cordes, N., 2015. EGFR and $\beta 1$ -integrin targeting differentially affect colorectal carcinoma cell radiosensitivity and invasion. *Radiother. Oncol.* doi:[10.1016/j.radonc.2015.06.005](https://doi.org/10.1016/j.radonc.2015.06.005)
- Rosow, L., Eke, I., Dickreuter, E., Cordes, N., 2015. Targeting of the EGFR/ $\beta 1$ integrin connecting proteins PINCH1 and Nck2 radiosensitizes three-dimensional SCC cell cultures. *Oncol. Rep.* doi:[10.3892/or.2015.4006](https://doi.org/10.3892/or.2015.4006)

Upcoming professional meetings and courses

2015 NUCLEAR AND SPACE RADIATION EFFECTS CONFERENCE

July 13 - 17, 2015
Marriott Copley Place
Boston, Massachusetts

2015 IEEE Nuclear and Space Radiation Effects Conference
Boston, MA, USA; July 13-17, 2015

Registration: [open](#)
[More Information](#)



61st Annual Radiation Research Society Meeting
Weston, FL, USA; Sept. 19-22, 2015

Abstract submission: **closed**

Registration: **open**

[More information](#)



The European Cancer Congress 2015
Vienna, Austria; Sept. 25-29, 2015

Abstract submission: **closed**

Registration: **open**

[More information](#)



American Society for Radiation Oncology Annual Meeting
San Antonio, TX, USA; Oct. 18-21, 2015

[More information](#)



MELODI Multidisciplinary European
Low Dose Initiative

2015 Multidisciplinary European Low Dose Initiative (MELODI) Workshop
Munich, Germany; November 9-11, 2015

Abstract submission: **closed**

MELODI Award (for young researcher) application: **closed**

Registration: **open**

[More Information](#)



ANS National Meeting

2015 Winter Meeting and Technology Expo

November 8-12, 2015 • Washington, D.C. • Marriott Wardman Park

Accelerator Applications Division of the American Nuclear Society
Twelfth International Topical Meeting on Nuclear Applications of Accelerators
Washington, DC, USA; Nov 10-13, 2015

Abstract submission: **closed**

[More information](#)



ICTR-PHE



2016



INTERNATIONAL CONFERENCE
ON TRANSLATIONAL RESEARCH IN RADIATION ONCOLOGY

PHYSICS FOR HEALTH IN EUROPE

International Conference on Translational Research in Radio-Oncology and Physics for Health
Geneva, Switzerland; Feb 15-19, 2016

Abstract submission: **open**

Registration: **open**

[More information](#)

ICMPRPR 2016

March 17-18 2016, London, United Kingdom

18th International Conference on Medical Physics, Radiation Protection, and Radiobiology
London, United Kingdom; March 17-18, 2016

Paper submission: Opens September 17, 2015

[More Information](#)



14th International Congress of the International Radiation Protection Association (IRPA)
Cape Town, South Africa; May 9-13, 2016

Abstract submission: **open**

Registration: **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](#)

Postdoctoral Fellow, Image-guided adaptive radiotherapy, The University of Texas M.D. Anderson Cancer Center, USA: [More information](#)

Clinical Assistant Professor, Radiation Oncology, University of Michigan, USA: [More information](#)

For more jobs see academicjobs.org and biocareers.com

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