UNIVERSITY OF WOLLONGONG

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Research Fellow in Medical Radiation Physics
Engineering and Information Sciences (EIS)

Fixed Term 2 year Appointment

The University of Wollongong (UOW) is a great place to work and study. Physics is a research intensive and innovative School of Physics which greatly values research and teaching. The Centre for Medical Radiation Physics (CMRP) is an integral part of the School of Physics and Research Strength of UOW and strongly linked for research to radiation oncology departments in leading national and international radiation oncology centers. If you are a dynamic and inspiring researcher in one of the following areas we'd like to hear from you: radiation dosimetry and modeling related to cancer radiation therapy, advanced dosimetry instrumentation, dosimetric analysis software development and Monte Carlo radiation transport simulations and their applications in clinical settings for improvement of outcome of radiation therapy.

The Centre for Medical Radiation Physics is looking for a medical physicist (preferably with clinical experience) with research skills to work as the Clinical Research Coordinator under a Commonwealth grant funded by BARO (Better Access for Radiation Oncology) initiative and St George Cancer Care Centre (SGCCC, Sydney). As such the successful candidate will spend a significant amount of their time at the St George Cancer Care Centre as a part of the Medical Physics team and some of their time at CMRP, University of Wollongong. The aim of the initiative is to better link the research and training opportunities at Universities with Radiotherapy departments. The candidate will be required to support hospital based research student projects and some medical physics registrar training initiatives at Radiotherapy clinics. The successful candidate will be expected to have experience in semiconductor dosimetry applied to radiation dosimetry in complex radiation beams from linear accelerators and brachytherapy devices and will contribute to the strong clinical brachytherapy program at SGCCC.

St George Cancer Care Centre is a comprehensive clinical and research centre for medical, haematological and radiation therapies. SGCCC has two Philips CTs scanners; three Varian multi-modality linacs including a variety of imaging capabilities; dedicated operating suite for brachytherapy; Nucletron HDR afterloader; B&K ultrasound and stepper unit for

permanent implant brachytherapy; Pinnacle, Oncentra, and Variseed treatment planning systems and a full complement of physics tools and phantoms. To be successful you will hold a PhD, preferably in the field of radiotherapy dosimetry and/or radiation transport simulations. You may also have experience in a radiotherapy department working as a radiation oncology medical physicist or closely associated with department in your clinical medical physics research. The successful candidate can be expected to work in a multidisciplinary team. A strong publication record in high-impact journals and previous research in related fields will be highly regarded. You will also be involved with the MRP teaching program at both undergraduate and postgraduate levels.

If you think you have what it takes to really make a difference, please contact Prof Anatoly Rozenfeld (anatoly@uow.edu.au), Tel +61-2-4221 4574 or +61-2-4221 3507.

Job application should be submitted using the online link http://uow.employment.com.au/jobs/Research-Fellow-in-Medical-Radiation-Physics/1262
Appointment is based on merit. As women are under-represented in academic positions, suitably qualified women are particularly encouraged to apply.