

Curriculum vitae



Personal information

Name: Iuliana Toma-Dasu
Address:
Medical Radiation Physics Division
Stockholm University and Karolinska Institutet
S-171 76 Stockholm
e-mail: Iuliana.Livia.Dasu@ki.se

Positions

- 2013-present: Leader of Medical Radiation Physics, Stockholm University and Karolinska Institutet, Stockholm, Sweden
- 2011-present: Reader in Medical Radiation Physics at the Department of Physics, Stockholm University, Stockholm, Sweden
- 2006-2011: Assistant Professor at Medical Radiation Physics, Stockholm University, Stockholm, Sweden
- 2005-2006: Medical physics researcher at Medical Radiation Physics, Karolinska Institutet, Stockholm, Sweden
- 2004-2005: Medical physicist in the Department of Medical Physics, Norrland University Hospital, Umeå, Sweden
- 2000-2004: PhD student in the Department of Radiation Sciences, Umeå University, Umeå, Sweden

Qualifications

- 2010 – Associate Professor/Docent, Medical Radiation Physics, Stockholm University, Sweden
- 2005 - Professional certification in medical physics
- 2005 - PhD in Radiation Physics at Umeå University, Umeå, Sweden, “Theoretical modelling of tumour oxygenation and influences on treatment outcome” Thesis Supervisors: Juliana Denekamp, D.Sc., Ph.D., Mikael Karlsson, Ph.D., Jack Fowler, D.Sc., Ph.D., and Hans Svensson, Ph.D.
- 2005 - MSc in Medical Physics Umeå University, Umeå, Sweden

Supervision

PhD students:

Sara Strååt, Stockholm University (2012)
Kristin Wiklund, Stockholm University (2012)
Marta Lazzeroni, Karolinska Institutet (2013)
Minna Wedenberg, Karolinska Institutet (2013)
Laura Antonovic, Stockholm University (2014)
Lucilio Matias, Stockholm University (up to 2015)

Emely Lindblom, Stockholm University (ongoing)
Helena Sandström, Stockholm University (ongoing)
Jakob Öden, Stockholm University (ongoing)

- Postdoctoral students
Ana Ureba, Stockholm University (ongoing)
Marta Lazzeroni, Karolinska Institutet (ongoing)
- Undergraduate MSc-thesis projects:
Main supervisor of Nils Andrae (2008)
Co-supervisor of Johanna Kramar (2008)
Main supervisor of Valentina Giacometti (2010)
Main supervisor of Helena Sandström (2011) - project in collaboration with Elekta AB, Stockholm
Main supervisor of Tomas Palmqvist (2011) - project in collaboration with St. Olav Hospital, Trondheim, Norway
Main supervisor of Jakob Ödén (2011) - project in collaboration with University of Maryland Medical School, Baltimore, USA)
Main supervisor of Emely Lindblom (2012)
Co-supervisor of Marie Huss (2012)
Co-supervisor of Marcus Fager (2013) - project in collaboration with University of Pennsylvania, Philadelphia USA)
Co-supervisor of Zohreh Khazraei Manesh (2016)

Other scientific merits

- 2006-present Member of examination board for 40+ MSc theses at Medical Radiation Physics, Stockholm University
- 2008 Member of the examination board for a PhD thesis at Karolinska Institutet
- 2011 Member of the examination board for a Licentiate thesis at Stockholm University
- 2011 Member of the examination board for a PhD thesis at Karolinska Institutet
- 2014 Member of the examination board for a PhD thesis at Stockholm University
- 2015 Member of the examination board for a PhD thesis at Karolinska Institutet
- 2016 Member of the examination board for a PhD thesis at Uppsala University
- 2016 Member of the examination board for a Licentiate thesis at Stockholm University
- 2014 External Examiner for a PhD thesis at University of British Columbia, Canada
- 2014 Member of the examination board and reviewer for a PhD thesis at University of Lyon, France
- 2015 Research project reviewer for Cancer Research UK
- 2015 Project award reviewer for Yorkshire Cancer Research, UK
- 2015 Research project reviewer for Initiative of Excellence, University of Toulouse, France
- 2016 Research project reviewer for Cancer Research UK

Publications

- 70+ peer-reviewed publications
- 8 review articles, book chapters, books
- 4 editorials, notes and other publications
- 100+ presentations at international conferences

Editorial and reviewing experience

- Associate Editor for European Journal for Medical Physics
- Guest Editor for Computational and Mathematical Methods in Medicine
- Member of reviewing panels for:
 - International Journal of Radiation Oncology Biology Physics
 - Radiotherapy and Oncology
 - Radiation Oncology
 - Acta Oncologica
 - European Journal of Cancer
 - Medical Physics
 - Physics in Medicine and Biology
 - Theoretical Biology and Medical Modelling
 - Zeitschrift für Medizinische Physik
 - Journal of Radiation Research
 - Translational Oncology
 - Journal of Physics
 - British Journal of Radiology
 - Australasian Physical & Engineering Sciences in Medicine
 - Chemical Engineering Science
 - International Journal of Information Management
 - International Journal of Particle Therapy
 - Technology in Cancer Research & Treatment
 - PLOS Computational Biology
 - Journal of Contemporary Brachytherapy
 - International Scholarly Research Notices

Administrative experience

- Group Research Leader, Medical Radiation Physics, Stockholm University, Sweden
- Member in the Graduate Education Committee at the Department of Physics, Stockholm University
- Member in the Committee for Research Strategy at the Department of Physics, Stockholm University
- Member of the Steering Committee of the Center for Radiation Protection Research, Stockholm University

Membership in national and international societies

- European Society for Therapeutic Radiology and Oncology ESTRO
- International Society for Oxygen Transport in Tissue ISOTT
- Svensk Förening för Radiobiology
- International Society of Radiation Neurobiology
- Radiation Research Society