

DIMITRIS EMFIETZOGLOU

Medical Physics Laboratory
 School of Health Sciences, Department of Medicine
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PERSONAL

Date and Place of Birth: 1-10-1968, Athens
 Citizenship: Greek
 Family status: Married (one child)
 Military service: 1997-1998 (compulsory)

EDUCATION

BSc	Physics	University of Athens	1986-1991
MSc	Radiation Science	Georgetown University, Washington DC, USA	1991-1993
PhD	Radiation Biophysics	Georgetown University, Washington DC, USA	1993-1996
Postdoc	Radiation Medicine	Georgetown University, Washington DC, USA	1999 (12m)

ACADEMIC POSITIONS

2020 **Professor**
 Medical Physics Laboratory, Dept. of Medicine, University of Ioannina

2014 **Associate Professor**
 Medical Physics Laboratory, Dept. of Medicine, University of Ioannina

2009 **Assistant Professor (tenured)**
 Medical Physics Laboratory, Dept. of Medicine, University of Ioannina

2005 **Assistant Professor**
 Medical Physics Laboratory, Dept. of Medicine, University of Ioannina

2000 **Lecturer**
 Medical Physics Laboratory, Dept. of Medicine, University of Ioannina

UNIVERSITY SERVICE

2020- Director, Division of Morphological & Clinical-Laboratory Sciences, Dept. of Medicine

2019- Director, Medical Physics Laboratory, Dept. of Medicine

2019- Steering Committee Member, MSc program in Medical Radiation Physics

2010- Member of Faculty Assembly, Dept. of Medicine

2010- Committee Member, Physics Entrance Exam. (transfer applicants), Dept. of Medicine

2010-11 Medical School Representative, University Library Committee

PROFESSIONAL ACTIVITIES

- Committee Member, **International Commission on Radiation Units and Measurements (ICRU)** Report No. 90 "Key Data for Ionizing Radiation Dosimetry: Measurement Standards and Applications", Oxford University Press (2016)
- Committee Member, **International Commission on Radiation Units and Measurements (ICRU)** Report No. 96 "Dosimetry-Guided Radiopharmaceutical Therapy", Oxford University Press (in press)

- Scientific Committee MICROS 2017: 17th International Symposium on Microdosimetry, November 5-10, 2017, Venice, Italy
- Scientific Advisory Committee 4th GEANT4 Monte Carlo Workshop for Radiotherapy, Imaging, and Radiation Protection December 2-8, 2019, Wollongong, Australia

THESES SUPERVISOR

- Main supervisor
 - 2 PhD** (Medical Physics Lab, Dept. of Medicine, Univ. of Ioannina)
 - 1 PhD** (Dept. of Applied Mathematics, Brown Univ., USA)
 - 5 MSc** (Medical Physics Lab, Dept. of Medicine, Univ. of Ioannina)
 - 19 BSc** (Dept. of Physics, Univ. of Ioannina)
- External Examiner
 - 6 PhD** (Univ. of South Australia, Australia; Univ. of Trento, Italy; Univ. of Adelaide, Australia; Univ. of Alicante, Spain; Ben-Gurion Univ., Israel; Univ. of British Columbia, Canada)

TEACHING

Undergraduate

- Radiation interactions, Radiation Biology, Radiation Protection, Physical principles of Diagnostic Radiology, Radiation Therapy, and Nuclear Medicine

Postgraduate

- Radiation dosimetry, Microdosimetry, Monte Carlo radiation transport simulations

RESEARCH INTERESTS

- Interaction of charged particles with condensed media and nanostructures
- Monte Carlo track-structure and condensed-history simulations
- Dosimetry of targeted radionuclide therapy w/ β - and Auger-emitters
- Dosimetry of ion-beam radiotherapy (Bragg peak)
- Radiation biophysics (DNA damage, cell survival)
- Microdosimetry (radiation quality)
- Extension and application of the GEANT4-DNA code to Medical Physics

GRANTS (Total Funding to UoI >800k EUR)

2001-2002	University of Ioannina Research Committee (PI)
2002-2005	Industrial Sponsorship (PI)
2005-2007	Center for Drug Delivery Research, London, UK (co-PI)
2008-2009	University of Ioannina Research Committee (PI)
2008-2010	European Commission (FP7-HEALTH) (co-PI)
2011-2014	Ministry of Science and Innovation of Spain (ext-PI)
2012-2015	European Commission (FP7-PEOPLE-ITN) (co-PI)
2015-2018	Ministry of Economy and Competitiveness of Spain (ext-PI)
2016-2018	France-Greece Project International de Cooperation Scientific (PICS) (co-PI)
2017-2019	Australian Research Council (ext-PI)
2018-2021	European Space Agent (ESA) (co-PI)
2019-2021	France-Greece Project International de Cooperation Scientific (PICS) (co-PI)
2019-2021	EU-Greece (ESPA) (PI)
2021-2023	European Space Agent (ESA) (co-PI)

EDITORIAL BOARD MEMBER

2019- Biomedical Physics & Engineering Express (IoP)

2020- International Journal of Molecular Sciences (MDPI)

PUBLICATIONS

- 128 papers in peer-review journals
- 3400+ citations (SCOPUS)
- 4500+ citations (GoogleScholar)
- h-index 33 (SCOPUS)
- h-index 39 (GoogleScholar)
- Book: "Interaction of Radiation with Matter" by H. Nikjoo, S. Uehara and D. Emfietzoglou, CRC Press 2012, 364 pages (ISBN 9781439853573)

