

Prof. Dr. Dimos Baltas

Head Division of Medical Physics

Medical Center - University of Freiburg
Department of Radiation Oncology
Division of Medical Physics
Robert-Koch-Str. 3
79106 Freiburg
Germany

Telefon: +49-761-270-94820
Secretary: +49-761-270-94821
Telefax: +49-761-270-95530
dimos.baltas@uniklinik-freiburg.de



Curriculum Vitae

■ Personal Data

Born: 1 January 1961 in Kyparissia, Greece
Nationality: Greek and German

■ Education

1966 – 1972 Elementary school in Kyparissia, Greece
1972 – 1978 Secondary school in Kyparissia, Greece
June 1978 High school graduation

■ Higher Education

1978 – 1983 Studies of Physics, University of Athens, Greece
IKY grant by the Greek government during the first 3 years
March 1983 Diploma examination, grade: “very good”
Award of academic degree “graduate physicist”

■ Doctorate

1983 – 1988 Postgraduate studies and doctorate at the University of Heidelberg, Germany, Radiology Center, Physics Department
1985 – 1987 Grant by the German Academic Exchange Service (DAAD) for doctoral studies at the University of Heidelberg
January 1989 Doctoral graduation and examination at the University of Heidelberg, specialty: Medical Physics, “magna cum laude”
Award of doctoral degree “Dr. sc. hum.” (Doctor of Humanistic Sciences) in Medical Physics

■ Professorship

September 1996 Award of academic title “Adjunct Research Associated University Professor” in Medical Physics & Engineering, National Technical University of Athens (NTUA), Institute of Communications and Computer Systems (ICCS)

■ Appointments

June 2011 Call to professor’s chair (W2) for Medical Radiation Physics at Friedrich Alexander University, Erlangen-Nurnberg

March 2015 Call to professor’s chair (W3) for Medical Physics at the Radiation Therapy / Radiation Oncology Department of Albert Ludwig University, Freiburg

■ Professional Training Courses

1987 Elementary course in radiation protection, Nuclear Research Center KFZ Karlsruhe, for technical qualification in radiation protection

1988 Special training course in radiation protection for scientists and engineers in the medical field, GSF Munich, for technical qualification in radiation protection

1991 ESTRO Teaching Course on Radiation Physics for Clinical Radiotherapy

■ Professional Experience

1983 – 1988 Researcher at the University of Heidelberg, Clinical Radiology Department, Medical Physics

1989 – 1995 Physicist and radiation protection commissioner, Radiation Oncology Department, Medical Physics, Radiation Institute, Darmstadt Clinic

1996 – 2015 Head of Medical Physics & Engineering Department, Radiation Oncology Clinic, Klinikum Offenbach

2004 – 2013 Medical physics expert and radiation protection commissioner on a cooperation agreement for HDR brachytherapy of gynecological tumors in the Department of Gynecology and Gynecological Oncology, Dr.-Horst-Schmidt-Kliniken GmbH, Wiesbaden

2012 – 2015 Radiation protection commissioner according to Radiation Protection Ordinance, Klinikum Offenbach GmbH

Since November 2015 Chair of Medical Physics Division, Radiation Oncology Department, University Medical Center Freiburg

■ Membership in Scientific Working Groups

Since 1990	Member of the DGMP working group <i>Afterloading Dosimetry</i>
Since 1990	Member of the DGMP working group <i>Quality Assurance in Radiation Therapy</i>
Since 1991	Founding member of the DGMP working group <i>Dose Impact Models in Radiation Planning</i>
1993 – 1994	Member of the DGMP/NAR working group preparing the German industrial standard DIN 6814, part 8
1995	Consultant to the ARO Leading Commission <i>Quality Assurance in Radiation Oncology</i> for <i>Standards for the Verification of Radiation Simulators</i>
1995	Consultant to the ARO Leading Commission <i>Quality Assurance in Radiation Oncology</i> for <i>Dose Specification Standards in Brachytherapy</i>
Since 1996	Consultant to the Radiology Standards Committee (NAR) of the DIN German Institute for Standardization
Since 1996	Head of the working group <i>Technical and Physical Preconditions of Brachytherapy</i> , German Society for Radiation Oncology (DEGRO/ARO)
Since 1996	Member of the DGMP/DEGRO working group <i>Specification and Practical Dosimetry in HDR Brachytherapy</i>
1997	Member of the DGMP/NAR working group preparing the German industrial standard DIN 6827, part 3
Since 2000	Head of the DGMP working group <i>Afterloading Dosimetry</i>
Since 2004	Member of the European Expert Group for Reference Data on the Dosimetry of Brachytherapy Seeds (ESTRO-BRAPHYQS)

■ Membership in Scientific Committees / Boards / Advisory Councils

Since 2002	Consultant to the Dutch Cancer Society – Department of Research Coordination
Since 2003	Faculty member and co-organizer of the clinical workshop <i>Image-guided HDR Brachytherapy for Prostate</i> in cooperation with Nucletron B.V., The Netherlands
2005 - 2015	Board member in the expert panel of the medical authority (Ärztliche Stelle) of Hessen for Radiation Protection Ordinance
Since 2005	Member of the scientific advisory board, <i>Strahlentherapie und Onkologie, Journal of Radiation Oncology – Biology – Physics</i>
2007 - 2015	Member of the GEC-ESTRO Committee
Since 2008	Physics editor of the European brachytherapy periodical, <i>Journal of Contemporary Brachytherapy</i>
Since 2009	Faculty member of the GEC-ESTRO teaching course, <i>Modern Brachytherapy Techniques</i>
Since 2013	Course director of the ESTRO <i>Advanced Brachytherapy Physics</i> course

2015 - 2016 Member of the ESTRO Educational Council
Since 2018 Associate Editor for the Journal *Physica Medica*
September 2018 Elected as *President-Elect* and Member of the Executive
Committee of the German Association of Medical Physics
DGMP for the period from 2019

■ Membership in Advisory Boards

Since 2010 Member of the scientific advisory board for the continuous
development of brachytherapy for prostate cancer (seeds and
HDR), Nucletron B.V., Veenendaal, The Netherlands
2011 – 2013 Member of the scientific advisory board for design and
development of new afterloading techniques and a new
afterloading system for Image Guided Brachytherapy, Eckert &
Ziegler BEBIG GmbH, Berlin, Germany

■ Awards / Prizes / Titles / Honorary Memberships

1998 **HERMANN HOLTHUSEN Prize** by the German Society for
Radiation Oncology (DEGRO)
2003 **GfM Prize** for technological development in radiation oncology
2005 Invited lecture, *New Technological Developments in Modern
Brachytherapy*, voted as **Highlight** of the 2005 DEGRO
Congress
Since 2005 **Honorary Scientific Associate**, Nuclear and Particle Physics
Section, Department of Physics, University of Athens, Greece
2007 **HERMANN STREBEL MEDAL** by the German, Austrian, and
Swiss Radiation Oncology Societies (DEGRO, ÖGRO, SASRO)
2011 **GEC-ESTRO Best Poster Award** by ESTRO
(ESTRO Anniversary Conference, London 8-12 May 2011)
2011 **Honorary member** of the Austrian Society for Radiooncology,
Radiobiology and Medical Physics (ÖGRO)
2014 **ALFRED BREIT Prize** by the German Society for Radiation
Oncology (DEGRO)

■ Membership in Scientific Organizations

Since 1986	Member of the German Society for Medical Physics (DGMP)
Since 1989	Member of the American Association of Physicists in Medicine (AAPM)
Since 1992	Member of the European Society for Radiotherapy and Oncology (ESTRO)
Since 1995	Member of the German Society for Radiation Oncology (DEGRO)
Since 1999	Member of the Hellenic Association of Medical Physicists (EFIE)
Since 2008	Member of the American Brachytherapy Society (ABS)

■ Professional Licenses / Accreditations

June 2000	Certification in Medical Physics by the German Society for Medical Physics (DGMP)
September 2000	Accreditation for advanced training of engineers and physicists in the field of radiotherapy, German Society for Medical Physics (DGMP)
January 2003	Medical physics expert for the entire field of radiotherapy, nuclear medicine (German Radiation Protection Ordinance, StrlSchV), and X-ray diagnosis (X-ray Ordinance, RöV)
April 2009	Advanced training certificate for specialization in Medical Physics, German Society for Medical Physics

■ Publications

166 publications in peer reviewed journals

16 chapters in text books

Editor and author of reference books:

1. Modelling in Clinical Radiobiology, Freiburg Oncology Series, Monograph No. 2, Freiburg University, Baier K. & **Baltas D.** (eds.), 1997
2. **Baltas D.**, Sakelliou L., Zamboglou N.: The Physics of Modern Brachytherapy for Oncology, CRC Press, Taylor & Francis Group LLC (New York, London), 2007
3. Venselaar J., **Baltas D.**, Hoskin P., Soleimani-Meigooni A.: Handbook of Brachytherapy – Physical and Clinical Aspects, Taylor & Francis Group LLC (New York, London), November 2012
4. Van Limbergen E., Pötter R., Hoskin P., **Baltas D.**, The GEC ESTRO Handbook of Brachytherapy 2nd Edition, ESTRO European Society for Radiotherapy & Oncology, 2015

■ Thesis Supervision

16 Diploma theses

8 Master theses

12 Doctorates

■ Mentor for Technical Qualification in Radiation Protection (Medical Physics Experts) and Medical Physics Specialization

23 Technical Qualifications (Medical Physics Experts)

6 Medical Physicists

■ Language Skills

Greek – native speaker

German – fluent (spoken and written)

English – fluent (spoken and written)