



Anca-Ligia Grosu, MD

Professor and Chair, Department of Radiation Oncology
Medical Center – University of Freiburg, Germany

Member of the German National Academy of Sciences *Leopoldina*

Alfred Breit Award 2020 for the integration of biological imaging in radiotherapy planning

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Research Focus

- **Biological imaging for radiation therapy planning and monitoring:** BioMarkers – BioImaging – biological radiotherapy planning
- **High precision radiation therapy:** Radiosurgery, stereotactic radiotherapy, dose painting, intraoperative radiotherapy, brachytherapy
- **Radiotherapy and immunotherapy:** Combination of radiotherapy and immunotherapy, radiotherapy and immune system
- **Digital data management in radiation oncology:** Electronic patient file, data management, administration

Academic Activity

Faculty of Medicine / University of Freiburg

- Member of the Senate of the Albert-Ludwigs-University Freiburg (2014-2019), deputy member of the Senate (2010-2014)
- Vice Dean and Associate Dean (Dean Prof. Dr. Dr. h.c. mult. Hubert E. Blum) of the Faculty of Medicine, University of Freiburg (2010-2013)
- Deputy of the Equal Opportunities Officer, Albert-Ludwigs-University Freiburg (2010-2019)
- Board Member of the Faculty of Medicine, University of Freiburg (since 2019)

Medical Center – University of Freiburg

- Chair of the Department of Radiation Oncology, Medical Center – University of Freiburg
- Speaker of the Center for Diagnostic and Therapeutic Radiology, Medical Center – University of Freiburg (Departments of Radiology, Radiation Oncology, Nuclear Medicine, Neuroradiology)
- Vice Chair of the German Cancer Consortium for Translational Cancer Research (DKTK), partner site Freiburg
- Member of the Executive Board and Speaker (2012-2016) of the Neuro-Oncological Center, Comprehensive Cancer Center (CCCF)

German Society of Radiation Oncology DEGRO / German Cancer Aid / German Cancer Society

- Advisory Board Member of German Cancer Aid (Deutsche Krebshilfe, DKH)
- Deputy Chair of the German Cancer Aid (Deutsche Krebshilfe, DKH) Expert Panel *Care Provisions and Research*
- Founder and member of the Nuclear Medicine / Radiation Therapy Working Group of DGN and DEGRO
- Member of the Executive Committee of the German Neuro-Oncology Working Group (NOA)
- President of 2021 DEGRO Congress, Stuttgart (with D. Zipps and Th. Hehr)

Further Academic Activities

- Adjunct Professor, Department of Radiation Oncology, Ohio State University, Columbus OH, USA
- Member of the Independent Expert Panel of the German Society of Radiation Oncology (DEGRO)
- Member of the supervisory board of Furtwangen College (2008-2011)
- Member of the International Association of Surgeons, Gastroenterologists & Oncologists (IASGO)
- Advisory Board Member of the Comprehensive Cancer Center Graz (CCC Graz), Austria
- Personal tutor of scholars, appointed by German Academic Scholarship Foundation – Studienstiftung des deutschen Volkes
- Deputy Senator of Radiology Section, German National Academy of Sciences *Leopoldina*

Career

- Chair of the Department of Radiation Oncology, Medical Center – University of Freiburg (since 2007)
- Researcher at Harvard Medical School, Massachusetts General Hospital, Department of Radiation Oncology, Proton Therapy Center (Chair: Prof. T. F. DeLaney), Boston, USA (2006-2007)
- Assistant Medical Director (Oberärztin), Department of Radiation Oncology (Chair: Prof. Dr. med. M. Molls), Rechts der Isar Hospital, Technical University, Munich (2000-2006)
- Habilitation (Postdoctoral lecture qualification): “Innovative techniques for high precision radiotherapy in brain tumors”, Department of Radiation Oncology (Chair: Prof. Dr. med. M. Molls), Technical University, Munich (2003)
- Board Certification: Radiotherapy and Radiation Oncology, additional designation: Stereotactic Radiation Therapy and Radiosurgery (2000)
- Resident: Department of Radiation Oncology, Rechts der Isar Hospital, Technical University, Munich (1995-2000)
- Resident: Institute of Diagnostic and Interventional Radiology (Chair: Prof. Dr. med. P. Gerhardt), Department of Neuroradiology (Head: Prof. Dr. med. Gräfin von Einsiedel), Rechts der Isar Hospital, Technical University, Munich (1991-1995)
- Resident: Department of Neurology (Chair: Prof. Dr. med. G. Pall), Harlaching Hospital, Munich (1990-1991)
- Academic Studies, Junior Doctor, Faculty of Medicine and Pharmacy, Medical University of Cluj-Napoca (Klausenburg), Romania (1981-1989)

Publications

PubMed Link: <https://pubmed.ncbi.nlm.nih.gov/?term=Grosu+AL>

Books:

Target Volume Definition in Radiation Oncology

Editors: **Grosu Anca-Ligia.**, Nieder Carsten, ISBN 978-3-662-45933-1, ISBN 978-3-662-45934-8 (eBook), Springer Verlag, 2015

New Technologies in Radiation Oncology, Editors: Schlegel Wolfgang C., **Bortfeld**

Thomas, **Grosu Anca-Ligia**, ISBN 978-3-540-29999-8/ISBN 978-3-540-00321-2/ISBN 978-3-662-51769-7, Springer Verlag, 2006

Patents

1. **MIRNA-based predictive models for diagnosis and prognosis of prostate cancer**
(Prof. Dr. med. Anca-L. Grosu, Dr. med. Simon Kirste – Medical Center – University of Freiburg, together with Ohio State University, USA)
2. **Matrix for generating and cultivating uniform cell aggregations, method for producing a matrix and use of a matrix**
(Prof. Dr. med. Anca-L. Grosu, Dr. med. Andreas Thomsen – Medical Center – University of Freiburg)

Cooperation

- Comprehensive Cancer Center Freiburg (CCCF)
- German Cancer Consortium for Translational Cancer Research (Deutsches Konsortium für Translationale Krebsforschung DKTK), an excellence initiative by the German Federal Ministry of Education and Research (BMBF) and participating German states; partner sites: Freiburg, Heidelberg, Berlin, Dresden, Essen/Dusseldorf, Frankfurt/Mainz, Munich, Tübingen
- Harvard Medical School/Massachusetts General Hospital, Boston, USA (Thomas Bortfeld)
- Edwin L. Steele Laboratory for Tumor Biology, Boston, USA (Dan Duda)
- Ohio State University (OSU), Columbus, USA (Arnab Chakravarti)
- Karolinska Institute, Stockholm, Sweden (Iuliana Toma-Dasu)
- University of Maastricht, Netherlands (Philippe Lambin)
- Istituto Scientifico San Raffaele (IRCCS), Milan, Italy (Maria Picchio; Arturo Chiti)
- University of Oxford, UK (Gillies McKenna)
- University Hospital Zurich, Switzerland (Matthias Guckenberger)
- Sapienza University of Rome AOU Sant'Andrea, Rome, Italy (Mattia Osti)
- Various industrial partners