



Prof. Dr. med. Dr. h. c. mult. Anca-Ligia Grosu, FACR, ML
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Academic Activity

German National Academy of Sciences Leopoldina

- Member of the German National Academy of Sciences Leopoldina (ML), Chairperson of Radiology Section and Senator of Leopoldina Academy

German Research Foundation

- Member of the Review Board (Fachkollegium) *Nuclear Medicine, Radiation Therapy, Molecular Radiation Biology* of the German Research Foundation (DFG)

German Cancer Aid (DKH) / German Cancer Society (DKG) / German Society of Radiation Oncology (DEGRO)

- President elect of the German Society of Radiation Oncology (DEGRO)
- President-elect of German Cancer Congress (DKK), Berlin 2028
- 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*
- Member of the Executive Committee of the German Neuro-Oncology Working Group (NOA)
- President of 2021 and 2022 Congress of DEGRO (German Society of Radiation Oncology), Stuttgart, Germany (together with D. Zipps and Th. Hehr)
- Founder and President of the NeuroRadioOncology Workgroup (AG NRO) of DEGRO (2021-2025)
- Co-Founder and President of the Nuclear Medicine-Radiation Oncology Workgroup (AG NUK-RO) of DEGRO (2021-2026)

Faculty of Medicine / Albert Ludwig University of Freiburg

- Vice Dean and Associate Dean, Faculty of Medicine, University of Freiburg (2010-2013)

- Member of the Senate of the University of Freiburg (2013-2019)
- Member of the University Council, University of Freiburg, Germany (2020-2025)
- Deputy of the Equal Opportunities Officer, University of Freiburg (2011-2019)

Medical Center – University of Freiburg

- Speaker of the Center for Image Guided Medicine, Medical Center – University of Freiburg (Departments of Neuroradiology, Nuclear Medicine, Radiology and Medical Physics, Radiation Oncology) (2020-2025)
- Deputy Speaker of the German Cancer Consortium for Translational Cancer Research (DKTK), partner site Freiburg (2014-2023)
- Member of the Executive Board of the Comprehensive Cancer Center Freiburg (CCCF)
- Speaker of the Neuro-Oncological Center of CCCF (2012-2016)

Other Academic Activities

- Adjunct Professor, Department of Radiation Oncology, Ohio State University, Columbus OH, USA
- Member of the supervisory board of Furtwangen College (2008-2011)
- Tutor of the German Academic Scholarship Foundation (2017-2021)

Honors and Awards

- Honorary Fellow of the American College of Radiology (FACR)
- Alfred Breit Award of the German Society of Radiation Oncology (DEGRO, 2020) for the integration of biological imaging into radiation therapy planning
- National Order of Faithful Service in the rank of Knight, Romania
- Doctor honoris causa, University of Medicine and Pharmacy *Carol Davila*, Bucharest
- Honorary Member of the Swiss Society of Radiation Oncology (SASRO)
- Doctor honoris causa, University of Medicine and Pharmacy *Iuliu Hatieganu*, Cluj-Napoca, Romania

Research Focus

- **Biological Imaging** for radiation therapy planning and monitoring
- **Integration of High Precision Radiation Therapy:** Radiosurgery, stereotactic radiotherapy, intensity modulated radiotherapy (IMRT), image guided radiotherapy (IGRT)
- **Radiotherapy and Immunotherapy:** Combination of radiotherapy and immunotherapy, radiotherapy and immune system
- **Digitization and Artificial Intelligence in Radiation Oncology**

Career

- Chair of the Department of Radiation Oncology, Medical Center – University of Freiburg, Germany (since 2007)
- Researcher at Harvard Medical School, Massachusetts General Hospital, Department of Radiation Oncology, 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, Germany (2000-2006)
- Habilitation (Postdoctoral lecture qualification) on *Innovative techniques for high precision radiotherapy in brain tumors*, Department of Radiation Oncology (Chair: Prof. Dr. med. M. Molls), Rechts der Isar Hospital, Technical University, Munich (2003)

- Board Certification: Radiotherapy and Radiation Oncology, additional designation: Stereotactic Radiation Therapy and Radiosurgery, Department of Radiation Oncology (Chair: Prof. Dr. med. M. Molls), Rechts der Isar Hospital, Technical University, Munich (2000)
- Resident: Department of Radiation Oncology, Department of Radiation Oncology (Chair: Prof. Dr. med. M. Molls), 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: MD degree, Junior Doctor, Institute of Medicine and Pharmacy, Cluj-Napoca, Romania (1981-1989)

Publications

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

Patents

1. **MIRNA-based predictive models for diagnosis and prognosis of prostate cancer** (Anca-L. Grosu and Simon Kirste – Medical Center – University of Freiburg, together with Ohio State University, USA)
United States Patent No. US10480033B2, Date of Patent: Nov. 19, 2019
European Patent No. 3245302 / July 14, 2021
2. **Matrix for generating and cultivating uniform cell aggregations, method for producing a matrix and use of a matrix** (Anca-L. Grosu and Andreas Thomsen – Medical Center – University of Freiburg)

Major Collaborations

- Comprehensive Cancer Center Freiburg (CCCF)
- German Consortium for Translational Cancer Research (Deutsches Konsortium für Translationale Krebsforschung – DKTK), a federal and state excellence initiative by the German Ministry of Education and Research (BMBF), partner sites: Freiburg, Heidelberg, Berlin, Dresden, Essen/Düsseldorf, 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)
- Istituto Scientifico San Raffaele (IRCCS), Milano, Italy (Maria Picchio; Arturo Chiti)
- University of Oxford, UK (Amato Giaccia)
- University Hospital Zurich, Switzerland (Matthias Guckenberger)
- Sapienza University of Rome AOU Sant'Andrea, Italy (Mattia Osti)
- Medical School of Nanjing University, affiliated Drum Tower Hospital, China (Xuefeng Qiu)
- University of Maastricht, Netherlands (Dirk de Ruyscher)
- University of Leuven, Belgium (Karin Haustermans)
- Various industrial partners