

ESTRO

Kerstin Borgmann

Laboratory of Radiobiology & Experimental Radio oncology

University Medical Center Hamburg-Eppendorf

Hamburg, Germany

ESTRO background

I have always been keen to set my scientific background in the context of clinical research and am therefore a long-standing member of both ESTRO and DEGRO. In DEGRO, I have been a member of the board since 2017 and in ESTRO I am currently a member of the radiobiology committee. Within ESTRO, I have particularly appreciated the close interdisciplinary exchange, especially within highly focused, research-oriented meetings, such as CERRO and the Wolfsberg meeting, both of which have been a crucial platform for many of my European clinical-oriented research collaborations. This allowed me to establish collaborations with the radiotherapy departments in Amsterdam, Maastricht, Nantes, Dresden, and Groningen and to support the intra-European scientific exchange.

Professional background

I studied molecular biology and biochemistry in Göttingen and Berlin. Since my PhD thesis in 1994 under the supervision of Prof. Ekkehard Dikomey and Prof. Horst Jung, in the Laboratory of Radiation Biology & Experimental Radiooncology of the Clinic and Polyclinic for Radiotherapy and Radiooncology, I have been working on the effect of ionizing radiation on the repair of DNA damage in normal and tumour tissue. My current experimental focus is to study the effects of the DNA repair pathway homologous recombination for tumourigenesis and radiation resistance after tumour therapy in advanced breast carcinoma.

Experience, education, and qualifications

Since 2003	Permanent Position at the Laboratory of Radiobiology & Experimental Radio oncology, University Medical Center Hamburg-Eppendorf
1998-2003	Postdoc Institute of Biophysics and Radiobiology, Hamburg
1998	PhD degree
1991-1994	Parental leave
1990-1991	Research assistant Max Planck Society Berlin

- **Grants** - Several BMBF, Deutsche Krebshilfe and DFG-Grants with a total amount of about EUR 2 million
- **Publications** - H-Index 41; 66 original peer-reviewed publications, 8 book chapters

- **Supervised** - 36 PhD students, 7 Masters students

Personal

I was born in Germany in 1963. I am married and have two grown-up daughters. Besides my work I go hiking, skiing and play tennis. I find a balance to my work in visiting art exhibitions and in my own painting.

Candidate statement

For me, ESTRO is the ideal society to bring the four core disciplines - radiotherapy, physics, radiotherapy technology and radiobiology – together and thereby strengthen and promote them. It gives us the opportunity to empower and intensify international cooperation and thus to promote the scientific progress of our professional society, in which a continuous development of patient care is guaranteed. Especially the constant improvement of existing therapies in cooperation with all specialties is the drive of my daily work and with this motivation I would like to create further fundamentals to especially enable especially young colleagues' perspectives in our Society in the future. I hope that you will therefore support me with your vote.