

ESTRO

Esther G.C. Troost, MD PhD

Personal

I was born in Germany in 1978, raised bilingually, and have lived in Germany, The Netherlands, and Scotland. I am married to Aswin Hoffmann, a medical physicist active in the field of MR-integrated proton therapy. Apart from my job, I enjoy walking the dog(s), hiking, biking and skiing. Moreover, I listen to modern and classical music, read and try to relax during meditation.

ESTRO background

I became an ESTRO member before even starting my resident training. In 2004, I started working on my PhD thesis at the Radboud University Nijmegen, under the supervision of prof. Bert van der Kogel, and joined ESTRO. Ever since, I have been impressed by the possibilities offered by ESTRO, in terms of multidisciplinary patient care and scientific collaboration with physicists, radiotherapy technologists and biologists, funding of personal grants, as well as of post-graduate training.

After having attended various ESTRO courses as a student, I joined the Faculty of Target Volume Determination course (TVD) in 2013. Great fun to meet the course participants from all-over the world and to mingle with the other teacher with different backgrounds and from different disciplines! Since 2017, I share the directorship of the course with Vincent Khoo. For me, defining the target and the organs at risk is one of the key responsibilities to exploit the full potential of our therapy. Apart from TVD, I was also member of the Faculty of the ESTRO "Basic Physics" course from 2016-2020. In 2021, I look forward to solving the challenge of moving the entire TVD course to the virtual world!

In 2015 I moved from the Netherlands to OncoRay, Dresden, and have been involved in the ramping up of the proton facility there. Ever since the ESTRO taskforce "European Particle Therapy Network" was founded, I joined work packages on clinical trials and image guidance. This has resulted in a number of consensus papers on standardized contouring of organs at risk and of reporting side-effects - the basis for creating evidence on the power of proton beam therapy. Moreover, I have been involved in the joint ESTRO-EORTC ParticleCare project and have been asked by ESTRO to serve as PI on this project together with prof. Vincent Grégoire.

In 2018, I became member of the National Societies Committee of ESTRO, representing the German Society of Radiation Oncology, DEGRO. Finally, I have joined the Clinical Committee of ESTRO in 2018 and have chaired the Scientific Advisory Group for ESTRO 2020. This was a great possibility to get a glimpse about the core processes of ESTRO and to make many new friends.

Election statement

For me, ESTRO is a society of the members and for its members. Therefore, we should strive to strengthen and foster the collaboration between the four core-disciplines in our society, clinicians, physicists, radiotherapy technologists and biologists. Moreover, international collaborations are to be



established if missing and strengthened if present. Only by doing so, enhanced scientific progress and steady improvement in patient care are being achieved.

For me, radiation therapy is not just a medical discipline, it is my passion. I hope that you will vote for me so I can bring this passion to the ESTRO Board.

Experience

- 09/2020- Dean of Research, Faculty of Medicine Carl Gustav Carus of the Technische Universität Dresden, Germany
- 01/2019- Chair of Department of Radiotherapy and Radiation Oncology
- 10/2018-10/2020 Vice Chair of Universitäts KrebsCentrum (UCC) Dresden and Head of Multidisciplinary Team, University Hospital and Faculty of Medicine Carl Gustav Carus of the Technische Universität Dresden, Germany
- 03/2015- Professor of 'Image-Guided High-Precision Radiotherapy' at Helmholtz-Zentrum Dresden-Rossendorf, and University Hospital and Medical Faculty Carl Gustav Carus of the Technische Universität Dresden, Germany
- 07/2012-03/2015 Radiation Oncologist, MAASTRO clinic, Maastricht, The Netherlands

Education and Qualifications

- 01/2005-06/2012 Resident in Training, MD-PhD Program, Radboud UMC, Nijmegen, The Netherlands
- 2010 PhD degree; Radboud University Nijmegen, The Netherlands
- 2008 German doctoral degree; Medizinische Hochschule Hannover, Germany
- 2004 MD degree, University Hospital Tübingen, Germany

H-index: 31, Publications: original peer-reviewed: 135, other publications: 71, abstracts: 234.
Supervised PhD students: 7, Master students: 8.

Grants: several national and international ones on innovative therapeutic approaches, imaging and proton beam therapy. These include conception and active participation in the EU Horizon 2020 projects INSPIRE, IMMUNOSABR and STOPSTORM.

