



Daniela Thorwarth

Prof. Dr.rer.nat.

*Section for Biomedical Physics, Department of Radiation Oncology, University of Tübingen
Tübingen, Germany*

ESTRO background

For 20 years, I have been an ESTRO member: The first ESTRO conference in which I participated was held back in 2002 in Prague, Czech Republic. I had the chance to present the results of my diploma thesis on CBCT position verification and immediately enjoyed the interdisciplinary, scientific atmosphere of the ESTRO community.

During my PhD, I continued building relationships to other researchers through contacts I made on ESTRO workshops and conferences. In 2007, I was granted the ESTRO Varian research award for the results of my PhD project. From 2010 to 2017, I joined the faculty of the ESTRO course "Imaging for physicists" which gave me the unique opportunity to learn about new aspects in this field and meet a lot of highly motivated teachers and course participants with different backgrounds and specialities!

In the years 2012 - 2018, I was a member of the young ESTRO committee. With this very engaged interdisciplinary group, we had the possibility to create new formats, such as poster discussions during ESTRO conferences or the young ESTRO track. After an initial period as young ESTRO observer, since 2019 I am now active member of the ESTRO physics committee and enjoy the interaction with Medical Physicists from all over Europe in this and other professional societies. Last year, I had the opportunity to chair the physics track of ESTRO 2022 and gained some insights behind the scenes of the congress organisation.

Since 2019, I have the pleasure to be editor-in-chief of ESTRO's online journal *Physics and Imaging in Radiation Oncology (phiRO)*.

Experience

- 2020 - Elected Member of the Review Board of the German Research Council (DFG)
- 2018 - Vice Dean of Studies Biomedical Technologies, Medical Radiation Sciences, University of Tübingen, Germany
- 2015 - Professor of Biomedical Physics, University of Tübingen, Germany
- 2012 - Biomedical Physics Research Group Leader, Department of Radiation Oncology, University of Tübingen
- 2007 - 2011 Medical Physicist and Postdoctoral Researcher, Biomedical Physics, Department of Radiation Oncology, University of Tübingen



ESTRO

Education and Qualifications

- 2013- Habilitation in Medical Physics
- 2013- Medical Physics Expert
- 2003 – PhD in Medical Physics (supervisor: Markus Alber), Faculty of Science, University of Tübingen
- 2007- University of Tübingen
- 1997 – Diploma in Physics and General Engineering, University of Stuttgart, Germany and Ecole Centrale, Paris, France
- 2002-

Publications: h-index: 28; 110 peer-reviewed publications; total number of citations: > 3.500.

Grants: ERC Starting Grant, several grants by German Research Council (DFG) including MR-Linac, German Cancer Aid (DKH).

Supervision: 10 PhD students, 35 MSc students.

Personal

I am 45 years old, was born and raised in southern Germany and live with my husband Harald and our two kids Emma and Jakob in Tübingen. We love sports and nature: Hiking, biking, running, and skiing.

Election statement

ESTRO is a truly interdisciplinary society. In my opinion, ESTRO's wealth lies in this multi- and inter-disciplinarity, bringing together scientific and clinical views from different professional backgrounds – to the benefit of the patient today and tomorrow.

My aim for being an ESTRO board member is to represent Medical Physics in this interdisciplinary family to advocate for clinical professional needs but also for a strong scientific focus of ESTRO, by fostering collaboration and communication between the different disciplines!

Thank you for your vote.

