

Prof. Dr. med. Dr. Esther Troost

Division Head of 'Image-guided Radiooncology' of Helmholtz-Zentrum Dresden-Rossendorf, Dresden

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Esther Troost is an expert in image-guided high-precision therapy and contributes to the advancing field of individualized medicine in photon- and proton-based radiotherapy. To further promote and improve the impact of radiotherapy, it is essence of her work to foster interdisciplinary collaborations as well as bring new research findings into clinical application. Networking and outreach have been crucial for her success and numerous publications in international high-ranking journals as well as a couple of renowned prizes, such as the ESTRO Varian Award, reflect her clinically relevant and patient-oriented research.



Professional Career

- Since 01/2019** Co-Chair of Department of Radiotherapy and Radiation Oncology of University Hospital Carl Gustav Carus Dresden
- 11/2016-12/2018** Deputy-Chair of Department of Radiotherapy and Radiation Oncology of University Hospital Carl Gustav Carus Dresden
- Since 07/2016** Division Head of 'Image-guided Radiooncology' of Helmholtz-Zentrum Dresden-Rossendorf (HZDR), Dresden
- Since 03/2015** University Professor of 'Image-Guided High-Precision Radiotherapy' at HZDR, OncoRay – National Center for Radiation Research in Oncology, University Hospital and Faculty of Medicine Carl Gustav Carus Dresden, associated with German Cancer Consortium (DKTK), National Center for Tumor Diseases (NCT) and German Cancer Research Center (DKFZ)
- 02/2014-02/2015** Assistant Professor at Maastricht University, Department of Radiation Oncology, Faculty of Health, Medicine and Life Sciences, Maastricht (NL)
- 07/2012-02/2015** Radiation Oncologist at Maastricht University Medical Centre, detached to the Department of Radiation Oncology (MAASTRO clinic), Maastricht (NL)
- 2004-06/2012** Resident Radiation Oncology, Radboud University Medical Center, Nijmegen (NL)

Education

- 2010** PhD degree; Radboud University Nijmegen (NL)
- 2008** German doctoral degree (*magna cum laude*); Medizinische Hochschule Hannover
- 2004** MD degree (Staatsexamen)
- 1998-2004** Medical training at Eberhard Karls University Tübingen, Aberdeen Royal Infirmary (UK), Radboud University Nijmegen (NL)

Publications (5 most relevant)

ORCID: 0000-0001-9550-9050 **h-index (ISI):** 28

- Apolle R, Brückner S, Frosch S, Rehm M, Thiele J, Valentini C, Lohaus F, Babatz J, Aust DE, Hampe J, Troost EGC. Utility of fiducial markers for target positioning in proton radiotherapy of oesophageal carcinoma. *Radiother Oncol* 2019, 133:28-34.
- Grootjans W, de Geus-Oei L-F, Troost EGC, Visser EP, Oyen WJG, Bussink J. PET in the management of locally advanced and metastatic NSCLC. *Nature Rev Clin Oncol* 2015, 12:395-407.
- Lohaus F, Zoephel K, Löck S, Wirth M, Kotzerke J, Krause M, Baumann M, Troost EGC, Hölscher T. Can local ablative radiotherapy revert castration-resistant prostate cancer to an earlier stage of disease? *Eur Urol* 2019, 75(4):548-551.
- Raschke F, Wesemann T, Wahl H, Appold S, Krause M, Linn J, Troost EGC. Reduced diffusion in normal appearing white matter of glioma patients following radio(chemo)therapy. *Radiother Oncol* 2019, 140:110-115.
- Löck S, Perrin R, Seidlitz A, Bandurska-Luque A, Zschaecck S, Zöphel K, Krause M, Steinbach J, Kotzerke J, Troost EGC, Zips D, Baumann M. Residual tumour hypoxia in head-and-neck cancer patients undergoing primary radiochemotherapy, final results of a prospective trial on repeat FMISO-PET imaging. *Radiother Oncol* 2017, 124(3):533-540.

Political and Honorary Offices

- Member of national and international committees (e.g. ESTRO, ESHIMT, CTI, DKTK, NCT)
- Member of various professional societies (e.g. EORTC Radiation Oncology Group, DEGRO, DRG, ESTRO, NVRO, European Thoracic Oncology Group (ETOP))
- Reviewer of scientific journals (e.g. Radiotherapy and Oncology, Radiation Oncology, The Journal of Nuclear Medicine, Nature Scientific Reports)