



**Name** **Grüll, Holger, Univ.-Prof. Dr. rer nat.**  
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**Position:** full Professor, chair for Experimental Imaging and Image-guided Therapy

**Academic education**  
1988-1996 Chemistry, University of Cologne

**Scientific degrees**  
12/1996 PhD., University of Cologne, “Untersuchung von Grenzflächenphänomenen der Phasengrenze fest/flüssig in einer binären Mischung mit Mischungslücke” (Supervisor: Dietrich Woermann, PhD., Department of Physical Chemistry)  
06/1993 Graduation from University of Cologne

**Scientific career**  
2016 Full professor, Department of Radiology University Hospital Cologne, chair experimental imaging and image guided therapy.  
2007 - Full professor, Faculty of Biomedical Technology, chair molecular imaging and image guided interventions.  
2000 – 2016 Principal Scientist Philips Research, Eindhoven, The Netherlands. Head of laboratory for translational research, preclinical imaging and image guided interventions.  
1999 – 2000 Postdoctoral fellow, Ben Guiron University of the Negev and Weizmann Institute of Science, Israel (Prof. Dr. Rachel Yerushalmi-Rozen)  
1997 – 1999 Postdoctoral fellow, National Institute of Standards and Technology, Gaithersburg, MD, USA (Charles Han, PhD.)  
1997 Guest scientist, Ben Guiron University of the Negev, Israel (Prof. Dr. Rachel Yerushalmi-Rozen)

**Honors/ Awards/ Memberships**  
2014 - Coordinator of the large-scale EU FP7 project IPACT (Image guided Pancreatic Cancer Therapy)  
2011 Award for the Most Innovative Research Proposal Area Health, Eindhoven University 2011  
2011 teaching Award as best masters docent aof the University Eindhoven  
2002 Coordinator of the Dutch STW project “Prospects” (Protein sensing array diagnostics on a chip)

1997

Fellowship of the Alexander von Humboldt Foundation

**Profile**

Holger Gröll studied from 1987 to 1993 chemistry in Cologne, Germany, and gained his PhD in Physical Chemistry with a thesis on phase separation in binary mixtures at interfaces. After his PhD, he received a grant from the Minerva foundation for a research stay at the Ben-Gurion University of the Negev, Beer Sheva, Israel. From Israel, he moved to the National Institute of Standards and Technology (NIST) in Gaithersburg (USA) on a fellowship from the Alexander von Humboldt Society (1997-1999). His research focused on interface and phase separation phenomena in polymeric nanoparticles, mixtures, and thin films, as well as transport phenomena of macromolecules across biomimetic membranes. After his stay in the US, he returned for another year to the Ben-Gurion University working on thin films, nanoparticles as well as polymers and biomimetic membranes.

In 2000, he started his career at the Philips Research Laboratory in Eindhoven on new sensor technologies for in vitro diagnostics, contributing to the development of a magnetic biosensor platform. In 2004, he switched from the in vitro world to new in vivo applications and became responsible for setting up a new laboratory (Center for Imaging Research and Education) for research on molecular imaging and therapeutic applications. In 2007 Holger Gröll was appointed part time professor at the Eindhoven University of Technology and holds a chair for Molecular Image and Image-guided Interventions. Center of his activity are image-guided interventions, for example MRI-guided high intensity focused ultrasound for ablation and drug delivery as well as development of material system for drug delivery, new multimodal probes based on targeted magnetic nanoparticles, emulsions, liposomes or peptide for molecular imaging applications.

In 2016, Dr. Gröll received an appointment as full professor at the department of radiology, University Hospital Cologne, Germany with a chair for "Experimental Imaging and Image-guided Therapy". Is heading now a dedicated laboratory for translational imaging research, where molecular imaging, drug delivery and MR-HIFU are the main areas of research.