Curriculum Vitae Prof. Dr. rer. nat. Dagmar Krefting

Contact information	University Medical Center Göttingen
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Birth date & place	15.04.1972, Münster (Westf.), Germany

Prof. Dr. Dagmar Krefting: Director of the Institute of Medical Informatics (W3), founding member of the Center for Biomedical Imaging and Processing, HTW Berlin, working group leader of the Medical Imaging and Signal Processing WG of GMDS; research interests in collaborative and distributed biomedical research environments, biosignal analysis, reproducibility and reliability in biomedical imaging and signal processing.

Areas of expertise	Biosignal Analysis and Medical Informatics

Affiliations	Director of the Department of Medical Informatics, University Medical Center Göttingen, Germany

Academic training and scientific degrees	2003	PHD (Dr. rer. nat., summa cum laude), University of Göttingen, Germany
	1999	Diploma in Physics (very good), Third Physical Institute, University of Göttingen, Germany
	1991 – 1999	Studies in Physics and Chemistry, University of Göttingen, Germany

Employment history	09/2019 - present	Director (W3) of the Department of Medical Informatics, University Medical Center Göttingen, Germany
	2016 – 2021	Head of the Center for Biomedical Image and Information Processing (CBMI), HTW Berlin, Germany
	2015	Visiting Professor, Sleep Center, People's Hospital, Beijing, China
	2011 – 2019	Professor for Computer Sciences (W2), University of Applied Sciences Berlin (HTW Berlin), Germany
	2004 – 2011	Postdoc (scientific assistant), Institute of Medical Informatics, Charité – Universitätsmedizin Berlin, Germany
	2004	Postdoc (research assistant), Dep. Of Physical Chemistry, Fritz-Haber Institute Berlin, Germany
	1999 – 2003	Research assistant, Third Physical Institute, University of Göttingen, Germany

Awards and appointments	since 2020	Head of the working group Medical Image and Signal Processing, German Association for Medical Informatics, Biometry and Epidemiology (GMDS e.V.)
	2018	Founding Member and Head of the Cybersecurity Lab – HTW Berlin
	2016	Founding Member of the Center of Biomedical Image and Processing – HTW Berlin
	2003	Investigation of signal and multi bubble systems in acoustic resonators summa cum laude (Prädikat)
		Third Institute of Physics, Prof. Lauterborn, University of Göttingen
		Award: Dr. Berliner – Dr. Ungewitter – Foundation

Roles, national infrastructure	- Medical Informatics Initiative (MII); HiGHmed: site speaker UMG - Medical Informatics Initiative (MII); CAEHR: Leading coordination (with Prof. U. Bavendiek) - Network University Medicine (NUM); NUM COMPASS: Leading PI - Screen4Care (H2020): PI - KI-TRUST (Innovationsfonds G-BA): PI - COFONI: PI - ENSURE: Co-PI - Future Lab Health: PI

Publications

Halford JJ, Clunie DA, Brinkmann BH, **Krefting D**, Rémi J, Rosenow F, et al. Standardization of neurophysiology signal data into the DICOM® standard. Clin Neurophysiol. 2021 Apr;132(4):993–7., 10.1016/j.clinph.2021.01.019

M. Khvastova, M. Witt, A. Essenwanger, J. Sass, S. Thun, and **D. Krefting**. Towards Interoperability in Clinical Research - Enabling FHIR on the Open-Source Research Platform XNAT. Journal of Medical Systems 44, no. 8: 137. ,doi:10.1007/s10916-020-01600-y.

Beier M, Penzel T, **Krefting D**. A Performant Web-Based Visualization, Assessment, and Collaboration Tool for Multidimensional Biosignals. Front Neuroinform. 2019;13:65., doi:10.3389/fninf.2019.00065

C. Jansen, T. Penzel, S. Hodel, S. Breuer, M. Spott, and **D. Krefting**. Network Physiology in Insomnia Patients: Assessment of Relevant Changes in Network Topology with Interpretable Machine Learning Models. Chaos: An Interdisciplinary Journal of Nonlinear Science 29, no. 12: 123129., doi:10.1063/1.5128003

M. Beier, C. Jansen, G. Mayer, T. Penzel, A. Rodenbeck, R. Siewert, M. Witt, J. Wu, **D. Krefting**, "Multicenter data sharing for collaboration in sleep medicine" Future Generation Computer Systems, S. 466-480, 2017, ISSN 0167-739X , doi: 10.1016/j.future.2016.03.025

C. Jansen, J. Annuscheit, B. Schilling, K. Strohmenger, M. Witt, F. Bartusch, C. Herta, P. Hufnagl, and **D. Krefting**. "Curious Containers: A Framework for Computational Reproducibility in Life Sciences with Support for Deep Learning Applications." Future Generation Computer Systems 112: 209–27. https://doi.org/10.1016/j.future.2020.05.007.

C. Jansen, M. Beier, M. Witt, S. Frey, and D. Krefting, Towards Reproducible Research in a Biomedical Collaboration Platform Following the FAIR Guiding Principles. In: Companion Proceedings of the 10th International Conference on Utility and Cloud Computing, S. 3–8, Austin, 2017, ISBN 978-1-4503-5195.

Additional Information	since 2021	Associate Editor, Health Information Science and System
	since 2019	Member DICOM Working Group WG-32
	2019	Guest Editor, Future Generation Computer Systems
	since 2018	Founding Member and Head of the Cybersecurity Lab – HTW Berlin
	since 2017	Member IEEE Standards Association Big Data Governance and Meta Management
	2017	Guest Editor Concurrency and Computation: Practice and Experience
	2017 – 2020	Member Selection Committee DIGITAL (Berliner Chanchengleichheitsprogramm)

since 2016	Founding Member of the Center of Biomedical Image and Processing – HTW Berlin
since 2014	Member of Program Committee eHealth
since 2013	Founding Member of the Research Cluster Health – HTW Berlin
since 2012	Member of the Program Committee for Research and Early Career HTW Berlin
since 2010	Member of Program Committee Biosignals
since 2010	Member of Program Committee International Workflows in Support of Large-Scale Science
2009 – 2015	Member of Program Committee Discribution Medical Imaging on MICCAI
2009	Certificate "Medical Informatics" of GMDS e.V. and GI e.V.
since 2009	Member of Program Committee CCGrid-Health/CCGrid-Life
2006 – 2009	Member of the National Executive Board DGrid
2005 – 2009	Member of Program Committee HealthGrid