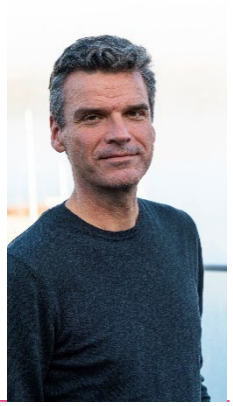

Prof. Peter Bauer, MD

Chief Medical & Genomic Officer

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PERSONAL STATEMENT

Prof. Peter Bauer, M.D. is member of the executive board of CENTOGENE GmbH, Rostock (Germany) where he has continuously broadened the portfolio and increased the efficiency in diagnostic processes through implementation of high-throughput Next-Generation Sequencing (NGS). Besides large screening projects, where thousands of samples receive limited genotyping and biomarker profiling, he designed and implemented the diagnostic Whole Genome Sequencing workflow at CENTOGENE becoming the first European diagnostic provider in rare diseases. Since 2017, as Chief Scientific Officer, he focused on bioinformatics integration of genomics, transcriptomics, and peptidomics for rare diseases and somatic cancer analysis. Moreover, he developed a strategy for patient-derived cellular models including inducible pluripotent stem cells (iPSCs), which are used to model rare disease ("study-in-a-dish"), enhance early biomarker identification, and help to validate potential compounds in preclinical settings. More recently, he developed dried-blood spot-based RNA sequencing for research and diagnostic cases and strengthened the Biodatabank with disease insight tools including a new platform approach for identification of modifier genes in rare diseases.

From 2001 to 2015, he has headed Molecular Genetics and the Core Facility for Applied Transcriptomics and Genomics, Institute of Medical Genetics and Applied Genomics, Tübingen. In diagnostics, he has established a broad portfolio of technologies and tests within the Institute focusing on neurodegenerative diseases, genetics of intellectual disability and cardiogenetics. The diagnostic laboratory uses all current molecular technologies including PCR / Sanger sequencing, MLPA, real-time PCR, SNP array diagnostics, and next-generation sequencing making the Institute of Medical Genetics and Applied Genomics a highly visible academic supplier of cutting edge molecular genetic testing. He still holds a teaching and research position at the Institute of Medical Genetics and Applied Genomics in Tübingen. From 2016 to 2021, he was holding a teaching position at the University Hospital in Tübingen, since September 2022, he joined the University Medicine Rostock with teaching in human genetics and clinical services for patients with rare tumor syndromes.

His research focus lies on the genomic analysis and diagnostics of neurodegenerative diseases, where he has authored more than 250 peer-reviewed publications. He is partner in several European networks dealing with the implementation of NGS in clinical practice (EMQN, TECHGENE, ad-hoc commission for genetic testing of the German Society of Human Genetics). Furthermore, he is committed to Next-Generation-Sequencing diagnostics and developing NGS guidelines. He has broad experience in Next-Generation-Sequencing application both in research and diagnostics.

PROFESSIONAL ACTIVITIES

Since 06/2022	**Chief Medical & Genomic Officer** Centogene GmbH, Rostock
12/2019 - 05/2022	**Chief Genomic Officer** Centogene GmbH, Rostock
01/2017 - 11/2019	**Chief Scientific Officer** Centogene, Rostock
01/2016 - 12/2016	**Chief Operating Officer** Centogene, Rostock
08/2001 – 12/2015	**Head of Molecular Genetics** Institute of Medical Genetics and Applied Genomics, University of Tübingen
09/1997 – 07/2001	**Residency in Neurology** Department of Neurology, University of Rostock

SCIENTIFIC CAREER

2010	**Habilitation in Human Genetics** Eberhard-Karls-University Tübingen
2006	**Board Certification in Human Genetics** Eberhard-Karls-University Tübingen
1997	**Thesis in Medicine** Humboldt-University, Berlin
04/1993 – 07/1997	**Medicine** Free University Berlin
04/1990 – 03/1993	**Medicine** Albert-Ludwigs-Universität, Freiburg im Breisgau
10/1988 – 03/1990	**Fine Arts** Federal Academy of Fine Arts, University of Karlsruhe

ADDITIONAL INFORMATION

Other experience and professional memberships

Member, American Society of Human Genetics (ASHG)
Member, German Society of Human Genetics (GfH)
Member, European Society of Human Genetics (ESHG)
President, German Society of Neurogenetics (DGNG)

Publications *(Publications since 2018)*

- Mayer AK, Balousha G, Sharkia R, Mahajnah M, Ayesh S, Schulze M, Buchert R, Zobor D, Azem A, Schöls L, Bauer P, Wissinger B. Unraveling the genetic cause of hereditary ophthalmic disorders in Arab societies from Israel and the Palestinian Authority. Eur J Hum Genet. 2020 Jan 2. doi: 10.1038/s41431-019-0566-3. [Epub ahead of print] PubMed PMID: 31896775.

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