Professor Bernd Wollnik

CURRENT POST: Director, Institute of Human Genetics, University Medical Center Göttingen
Professor of Medical Genetics

WORK CONTACT: Tel: +49 551 397589; e-mail: bernd.wollnik@med.uni-goettingen.de

EDUCATION AND PROFESSIONAL QUALIFICATIONS

1996	Dr. med.; Rheinische Friedrich-Wilhelms University Bonn, Germany
1995	German Medical Exam (Dritter Abschnitt der Ärztlichen Prüfung)
1990-1992	M.D. thesis studies, Rheinische Friedrich-Wilhelms University Bonn, Germany
1988-1995	Undergraduate studies in Medicine, Rheinische Friedrich-Wilhelms University Bonn, Germany

EMPLOYMENT HISTORY

Since 2015	Professor of Medical Genetics, Director of Institute of Human Genetics, University Medical Center Göttingen, Germany
2013-2015	Director of Center for Rare Diseases Cologne, University Hospital of Cologne, Germany
2012-2015	University (Full) Professor for Medical Genetics, Institute of Human Genetics, University Hospital Cologne, Germany
2004-2012	Junior research group leader, Center for Molecular Medicine Cologne (CMMC), Institute of Human Genetics, University of Cologne, Germany
1999-2004	"Foreign Lecturer" position, Division of Medical Genetics, Istanbul University, Istanbul, Turkey
1998-2004	Molecular Genetics Unit, Division of Medical Genetics, Istanbul University, Istanbul, Turkey
1997-1999	DAAD Fellowship for Young Scientists, Division of Medical Genetics, Istanbul University, Istanbul, Turkey
1997	Post-Doc Position, Center for Molecular Neurobiology, University Hamburg, Germany
1995-1997	Practical Training (Arzt im Praktikum), Department of Neurology/Center for Molecular Neurobiology, University Hamburg, Germany

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LARGE SCALE GRANTS (from 2012)

2016-2020	**German Research Foundation (DFG)** SFB1002 Modulatory Units in Heart Failure; The role of genomic instability in the failing heart
2015-2018	**E-RARE (German Ministry of Education and Research (BMBF))** EuroMicro: Primary monogenic microcephalies: from genetics to pathophysiology and the clinic
2017	**German Centre for Heart Research (DZHK)** Unravelling the genetic origin of the hypoplastic left heart syndrome by whole-genome sequencing approaches
2016	**German State of Niedersachsen** Physics-to-Medicine Seed Grant 2016: Mitochondrial Dysfunction in Aging Phenotypes
2015-2016	**German Research Foundation** CECAD - Excellence Cluster on Cellular Stress Response and Aging-Associated Diseases, Cologne University
2014-2016	**Center for Molecular Medicine Cologne** Molecular pathogenesis of Hallermann-Streiff syndrome
2012-2015	**E-RARE (German Ministry of Education and Research (BMBF))** CRANIRARE-2: An integrated clinical and scientific approach for craniofacial malformations
2012-2015	**German Ministry of Education and Research (BMBF)** FACE: Research consortium on selected craniofacial malformation disorders

TOP 10 PUBLICATIONS

1. Gordon CT, Xue S, Yigit G, …, Amiel J*, **Wollnik B***, Reversade B*. De novo mutations in SMCHD1 cause Bosma arhinia microphthalmia syndrome and abrogate nasal development. ***Nat Genet.*** 2017; 49(2):249-255. (*co-corresponding)
2. Harley ME, Murina O, Leitch A, …, **Wollnik B**, Stewart GS, Jackson AP. TRAIP promotes DNA damage response during genome replication and is mutated in primordial dwarfism. ***Nat Genet.*** 2016; 48(1):36-43.
3. Hatzold J, Beleggia F, Herzig H, Altmüller J, Nürnberg P, Bloch W, **Wollnik B**, Hammerschmidt M. Tumor suppression in basal keratinocytes via dual non-cell-autonomous functions of a Na,K-ATPase beta subunit. ***eLife***; 2016 5, e14277.
4. Yigit G, Wieczorek D, Bögershausen N, …, Thiele H, Nürnberg P, **Wollnik B**. A syndrome of microcephaly, short stature, polysyndactyly, and dental anomalies caused by a homozygous KATNB1 mutation. ***Am J Med Genet A***. 2016; 170:728-33.
5. Bögershausen N, Tsai IC, Pohl E, …, Li Y, Katsanis N, **Wollnik B**. RAP1-mediated MEK/ERK pathway defects in Kabuki syndrome. ***J Clin Invest***. 2015; 125(9):3585-99.
6. Rosin N, Elcioglu NH, Beleggia F, …, **Wollnik B**, Yigit G. Mutations in XRCC4 cause primary microcephaly, short stature and increased genomic instability. ***Hum Mol Genet***. 2015; 24:3708-17.
7. Murray JE, Bicknell LS, Yigit G, …, **Wollnik B**, Jackson AP. Extreme growth failure is a common presentation of ligase IV deficiency. ***Hum Mutat***. 2014; 35:76-85.
8. Keupp K, Beleggia F, Kayserili H, …, Kornak U, Marini J, **Wollnik B**. Mutations in WNT1 cause different forms of bone fragility. ***Am J Hum Genet***. 2013; 92(4):565-74.
9. Kalay E, Yigit G, Aslan Y, …, Jackson AP, Karagüzel A, **Wollnik B**. CEP152 is a novel genome-maintenance protein and its disruption causes genomic instability in Seckel syndrome. ***Nat Genet***. 2011; 43(1):23-6.
10. Reversade B, Escande-Beillard N, Dimopoulou A, **Wollnik B**, Van Maldergem L, Mundlos S, Kornak U. Mutations in PYCR1 cause cutis laxa with progeroid features. ***Nat Genet***. 2009; 41(9):1016-21.

AWARDS/HONORS/OTHER EXCELLENCE CRITERIA (selected)

Since 2017	Member Else Kröner-Fresenius MD Program, University of Göttingen
Since 2017	Member Else Kröner-Fresenius Clinician Scientist Program, University of Göttingen
Since 2017	Member International Max Planck Research School for Genome Science, University of Göttingen
Since 2017	Board Member, Center for Rare Diseases Göttingen
Since 2015	Member of Georg-August-University School of Science, GAUSS (Molecular Medicine), Göttingen
2007-2015	PI Cluster of Excellence 229; Cellular Stress Response and Aging-Associated Diseases – CECAD, University of Cologne,
2004-2012	Center for Molecular Medicine Cologne (CMMC), junior research group
2002	Young Scientist Award, Turkish Academy of Science, Turkey
2001	International Scientific Research Award of Istanbul University, Turkey
1997-1999	DAAD Research fellowship for young scientists (Istanbul University, Turkey)