Isabel Filges, Prof. Dr. med.

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Publications: https://pubmed.ncbi.nlm.nih.gov/?term=filges+i&sort=date

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Profile

Medical geneticist and clinical researcher with leadership in medical genetics services, prenatal genomics, and rare disease diagnostics, combining advanced clinical phenotyping with state-of-the-art genomic technologies to improve patient care.

Current Position

2015–present – Medical Director (Ärztliche Leiterin), Medical Genetics, Institute of Medical Genetics and Pathology, University Hospital Basel (USB), Basel, Switzerland.

- Head, Medical Genetics Clinic and postgraduate Medical Genetics (FMH) training programme.
- Responsible for Medical Genetics Diagnostic Laboratory (constitutional/molecular cytogenetics).
- Co-Director, Center of Rare Developmental Disorders ITHACA UKBB/USB.
- Consultant Medical Geneticist, University Children's Hospital Basel (UKBB).
- Head, Research Group "Clinical Genomics of Congenital Developmental Disorders", DKF, USB/University of Basel.
- Titularprofessorin Medical Genetics, Medical Faculty, University of Basel.

Education and Training

- Medical School: University of Bonn; University of Lausanne (UNIL).
- Doctoral Degree in Medicine (Dr. med.): University of Bonn.
- Residencies (Internal Medicine, Pediatrics, Medical Genetics): Düsseldorf, Vevey, Geneva, Basel.
- Clinical and Research Fellowship, Medical Genetics, Department of Medical Genetics, Child and Family Research Institute, University of British Columbia, Vancouver, Canada.
- Board certifications: Medical Genetics (Fachärztin Medizinische Genetik, FMH); Medical Genetics diagnostic laboratory analyses (cyto- and molecular genetics), FAMH.
- Academic titles: Habilitation (Venia Docendi) in Medical Genetics; Titularprofessur, University of Basel.

Selected Research

- Lead investigator on multiple projects in prenatal genomics and congenital developmental disorders
- Translational research bridging clinical genetics, genomics and basic science in malformation syndromes
- International Arthrogryposis Multiplex Congenita collaboration and registry.
- Contributor in bioethics and clinical ethics related to reproductive, prenatal, and genomic ethics
- Contributor to the development of SwissGenVar, the national platform for clinical-grade variant interpretation within the Swiss Personalized Health Network.

Panels and Memberships (selection)

- Acting Co-President (FMH representative), Swiss Society of Medical Genetics (SSMG).
- Advisory Board, University Center of Rare Diseases, University and UKBB Basel.
- Honorary Associate Faculty Member, Department of Medical Genetics, University of British Columbia.
- Member of KOSEK Fachgruppe Versorgung; SPHN "SwissGenVar" working group; ERN-Ithaca Workgroup Fetal Medicine; Prenatal Human Phenotype Ontology working group
- Professional memberships: SSMG, GfH, ESHG, ASHG, ISPD