CURRICULUM VITAE of SABINA GALLATI KRAEMER

1. PERSONAL INFORMATION

Date of birth:	September 28, 1952, born in Berne, Switzerland
Marital status:	Married One daughter (1980), one son (1983), four grandchildren (2016, 2018, 2019, 2020)
Home address:	J.V. Widmannstrasse 25 CH-3074 Muri, Switzerland
Present appointment:	Professor and co-director of Hirslanden Precise, Hirslanden AG
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2. DEGREES

Matura (type A), Burgdorf, State of Berne	1971
Diploma of Biology, University of Berne	1977
PhD thesis in Human Genetics, University of Berne	1978-1980
Reader for Human Genetics University of Berne	1993
Associate Professor of Human Genetics, University of Berne	1997
Certification as Specialist in Medical Genetic Analysis (FAMH)	2000
Extraordinary Professor of Human Genetics, Medical Faculty, University of Berne	2003
Certification as a European Clinical Laboratory Geneticist	2015, 2020

3. RESEARCH TRAINING

Hammersmith Hospital (Prof. V. Dubowitz)	London, UK	1986
Children's Hospital, HMS (Prof. L. Kunkel)	Boston, USA	1987
St. Mary's Hospital (Prof. R. Williamson)	London, UK	1989
Inst. of Human Genetics (Prof. T. Grimm)	Würzburg, Germany	1990
FBI-Academy (Dr. B. Budowle)	Quantico, USA	1992

4. POSTDOCTORAL TRAINING

Research assistant at the Unit of Medical Genetics (Prof. H. Moser) Department of Paediatrics, Inselspital, University of Berne	1980 - 1987

5. ACTIVITIES IN LABORATORY AND CLINICAL ROUTINE WORK

Organisation and management of the laboratory of Molecular Genetics Department of Paediatrics, Inselspital, University of Berne	1987-1992
Organisation and management of the laboratory of Forensics Institute of Legal Medicine, University of Berne	1992-1993
Organisation and management of the laboratory of Molecular Genetics Institute of Clinical Pharmacology, University of Berne	1994-1996
Organisation and management of the DNA sequencing service Department of Clinical Research	1994-1999
Organisation and management of the Unit of Human Genetics Department of Paediatrics, Inselspital, University of Berne	1997-2001
Special service for genetic disorders on wards, genetic counseling	since 1999

Accreditation (ISO/IEC 17025) as Testing laboratory for Medical analyses of human specimens for Molecular diagnostics, carrier detection, and prenatal diagnosis	2000
Re-Accreditations	2005, 2010, 2015
Head of the Division of Human Genetics Department of Paediatrics, Inselspital, University of Berne	1997-2018
Senior Consultant, Human Genetics, Kantonsspital Aarau	2019-2021
Co-director of Hirslanden Precise AG	since 01.12. 2020

6. STUDENT EDUCATION (University of Berne)

Seminars and practical courses in Molecular Biology for Medical students	1994-2018
Tutor in the postgraduate course on “molecular biological methods in Clinical diagnosis” at the Div. of Clinical and Experimental Research	1994-2016
Lectures in Human Genetics for students of Pharmacology	1996-2002
Lectures in Human Genetics for Medical students (1., 4., 5. year)	1995-2018
Lectures in Human Genetics for Biology students (3. year)	2007-2017
Practical courses and ethical workshop for Medical students (1. year)	1995-2018
Supervision of 4 Master theses (med), 17 MD-theses, 19 diploma theses (biology), 15 PhD-theses and 4 habilitations	since 1990

7. RESEARCH (funded projects)

Swiss National Foundation

- Grant No. 32-32472.91 Molecular analyses of the X-linked regions involved in ornithine transcarbamylase deficiency (Xp21.1) and centronuclear myopathy 1992-1995
- Grant No. 32-040681.94 The spectrum of cystic fibrosis mutations: Screening strategies for patients and their families, relation to clinical phenotypes and dysfunction 1994-1998
- Grant No. 32-043631.95 X-linked recessive centronuclear myopathy (XLR-CNM): refined localization and quest for the gene 1995-1998
- Grant No. 32-55697.98 Analysis of molecular mechanisms in cystic fibrosis (CF) and X-linked myotubular myopathy 1999-2001
- Grant No. 32-66767.01 Heterogeneity in Cystic fibrosis (CF): Genotype-phenotype association studies and analysis of epigenetic modifiers 2002-2005
- No. 310000-112652 Heterogeneity in Cystic fibrosis (CF): Genotype-phenotype association studies, analysis of epigenetic modifiers and gene-gene interaction 2006-2009

Sandoz Foundation
Entwicklung einer Mutations- und Linkage-Analytik bei monogenen Erbkrankheiten 1994

Silva Casa Foundation
Sequence of events involved in the pathogenesis of cystic fibrosis (CF) in infants 1995

Stanley Thomas Johnson Foundation
Characterization of pediatric mitochondrial diseases based on molecular genetics, biochemistry and clinical symptoms 1997

Swiss Society of Cystic Fibrosis
Channel activities in epithelial cells from CF patients with frameshift (3905insT, 2347delG) and nonsense (R553X, R1162X, W1282X) mutations 2001

Novartis Foundation
Vergleichende mitochondriale Proteomics: eine neue Methode zur Identifizierung nukleärer Gene, die in der Entstehung und Entwicklung mitochondrialer Erkrankungen beteiligt sind 2002

Swiss Foundation of Liver Diseases
Genotype-phenoytpe association and molecular genetic screening strategy in hereditary hemochromatosis 2005-2007

Vinetum Foundation
Charakterisierung molekularer Pathomechanismen von Mitochondriopathien 2010-2013

Julia and Gottfried Bangerter-Rhyner Foundation
Charakterisierung molekularer Pathomechanismen von Mitochondriopathien 2011-2013

Swiss Society of Cystic Fibrosis 2014-2016
Cystic Fibrosis (CF), CFTR-related and CF-like disorders: From single gene testing towards a next generation sequencing (NGS) gene panel

8. AWARDS

Nestlé Award 1989
for the work: "X-chromosomale zentronukleäre Myopathie: Genlokalisation und DNA-Linkage-Analyse"

Theodor Kocher Award 1996
given by the University of Berne

Guido-Fanconi Gedenkpreis 1999
given by the Swiss Paediatric Association

9. MEMBERSHIP OF NATIONAL AND INTERNATIONAL SOCIETIES

Member of the American CF Genetic Analysis Consortium
Member of the European Concerted Action on Cystic Fibrosis
Member of the European Cystic Fibrosis Society
Member of the European Society of Human Genetics (ESHG)
Member of the German Society of Human Genetics (GFH)
Member of the Swiss Society of Medical Genetics (SGMG)

10. OFFICES HELD IN COMMISSIONS AND SOCIETIES

Board member of the “Verein nebenamtlicher Dozenten (VND)”	1993-1999
President of the “Verein nebenamtlicher Dozenten (VND)”	1997-1999
Board member of the Swiss Society of Medical Genetics (SGMG)	2000-2004
Member of the Swiss Working group for Cystic Fibrosis (SWGCF)	since 1997
Member of the Task Force for the CF Newborn Screening	since 2009
Member of the Swiss National Advisory Commission on Biomedical Ethics	2001-2008
Swiss stakeholder in the EU Committee of Experts on Rare Diseases (EUCERD)	2011-2014
President of the Federal Commission on Genetic Testing in Humans	since 2007
Member of the Advisory Board for Genomic Medicine, University of Liechtenstein	since 2018
Member of the Scientific Board of the University of Liechtenstein	since 09.09.2020

11. REVIEWER FOR INTERNATIONAL JOURNALS AND PROPOSALS

Evaluator of proposals submitted to the FP6-2004-Infrastructures-5 call of the European Commission
Evaluator of proposals submitted to the FP7-Health-2007-A call of the European Commission
Evaluator of proposals submitted to the FP7-Health-2009-1.2-2 call of the European Commission
Evaluator of proposals submitted to the Swiss National Foundation
European Journal of Pediatrics
European Journal of Human Genetics
Clinical Genetics
Human Genetics
Human Mutation
Molecular Human Reproduction
Clinical Chemistry