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## Curriculum Vitae Professor Dr. Erich A. Nigg

**Name:** Erich A. Nigg  
**Born:** 28 November 1952  
**Family Status:** married



### Academic and Professional Career

since 2009 Director and Professor of Cell Biology, Biozentrum, University of Basel, Switzerland

2000 - 2009 Honorary Professor for Cell Biology, Ludwig-Maximilians-University, Munich, Germany

1999 - 2009 Director at the Max-Planck-Institute for Biochemistry, Dept. of Cell Biology Martinsried, Germany

1995 - 1999 Professor of Molecular Biology, University of Geneva, Geneva, Switzerland

1988 - 1996 Assistant Professor at Swiss Federal Institute of Technology (ETH), Zurich, Switzerland

1987 - 1995 Principal Investigator, Swiss Institute for Experimental Cancer Research (ISREC) Epalinges, Switzerland

1982 - 1987 Research Group Leader, Institute for Cell Biology, ETH, Zurich, Switzerland

1980 - 1982 Post-doctoral fellow with Prof. S.J. Singer, University of California, Dept. Biology San Diego, USA

- 1977 - 1980 Ph.D. Thesis, ETH, Biochemistry Department, Zurich, Switzerland
- 1971 - 1976 Diploma in Biochemistry and Microbiology, ETH, Faculty of Natural Sciences  
Zurich, Switzerland

### **Project coordination, Membership in collaborative research projects (Selection)**

- 2006 - 2011 EU European Network of Excellence (Framework 6), ENFIN (*Experimental Network for Functional Integration*)

### **Functions in Scientific Societies and Committees (Selection)**

- since 2012 Member of Scientific Advisory Board DKFZ-ZMBH alliance Heidelberg, Germany
- since 2011 Board of Trustees and Scientific Committee  
German Cancer Research Center (DKFZ) Heidelberg, Germany
- since 2011 Member of Scientific Advisory Board Center for Molecular Medicine Norway (NCMM)
- 2011 Review panel for the quinquennial review of Cancer Research U.K.

### **Honours and Awarded Memberships (Selection)**

- 2012 Member of the Swiss Society for Biochemistry (SSB)
- 2009 Fellow of the European Academy of Cancer Sciences
- 2005 Member of the German Academy of Sciences „Leopoldina“
- 2004 Meyenburg Prize („Wilhelm und Maria Meyenburg Stiftung“ and DKFZ, Heidelberg)
- 1998 Member of Academia Europea
- 1993 R. Wenner Prize for Cancer Research
- 1993 Herbert Rand Fellowship (MBL, Woods Hole, MA, U.S.A.)
- 1992 Friedrich Miescher Prize
- 1991 Member of EMBO
- 1989 Award by the Huggenberger-Bischoff Foundation for Cancer Research

- 1987            START Career Development Award (Swiss National Science Foundation)
- 1980            Medal and Prize of the ETH
- 1976            Medal and Prize of the ETH

### Major Scientific Interests

In unserer Arbeitsgruppe am Biozentrum der Universität Basel erforschen wir die Steuerung der Zellteilung sowie die Ursachen von Chromosomenveränderungen in Tumorzellen. Unser Forschungsschwerpunkt liegt auf der Untersuchung der regulatorischen Enzyme, sogenannter Proteinkinasen, die bei der Steuerung der Zellteilung bzw. der Verteilung von Chromosomen eine wichtige Rolle spielen. Zudem erforschen wir zelluläre Strukturen wie die Zentrosomen und die mitotische Spindel. Das Verständnis der molekularen Grundlagen der Zellteilung dürfte neue Ansätze für die Therapie von Tumorerkrankungen liefern.

<http://www.biozentrum.unibas.ch/de/forschung/gruppen-plattformen/overview/unit/nigg/>

Our research group at the Biozentrum of University of Basel investigates the regulation of cell division, as well as the causes of chromosomal changes in tumor cells. Our research is focused on the characterization of regulatory enzymes, known as protein kinases, that play important roles in the regulation of cell division and chromosome distribution. We also study cellular structures, notably centrosomes and the mitotic spindle that are important for chromosome distribution. Understanding the molecular basis of cell division may provide new approaches to cancer therapy.

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