

CURRICULUM VITAE

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Education:

University of Zurich	Diploma	1974	Biology
University of Zurich	Ph.D.	1978	Biology

Professional Positions:

1979-81	Postdoctoral Fellow and Lecturer, University of Zurich, Switzerland Laboratory of Dr. R. Nothiger
1981-1984	Postdoctoral Research Associate with Dr. E. Wieschaus, Department of Biology, Princeton University
1984-1985	Research Associate and Research Staff, Department of Biology, Princeton University
1985-1990	Research Biologist, Department of Biology, Princeton University
1990-1994	Associate Professor, Department of Molecular Biology, Princeton University
1994-pres.	Professor, Department of Molecular Biology, Princeton University
1994-pres.	Adjunct Professor of Biochemistry, University of Medicine & Dentistry of New Jersey, Robert Wood Johnson Medical School
1994-1999	Associate Investigator, Howard Hughes Medical Institute
1999-pres.	Investigator, Howard Hughes Medical Institute

Honors:

1981	Alfred Schläfli Prize for thesis research awarded by Swiss Zoological Society
1999	Elected Fellow, American Academy of Arts and Sciences
2000	Elected Associate Member European Molecular Biology Organization
2005	Elected to the National Academy of Sciences
2006	Edwin F. Conklin Medal, Society for Developmental Biology
2007	Elected Fellow, American Association for the Advancement of Science
2011	Honorary Degree, University of Zurich, Switzerland

Professional Activities (selected):

1991	Chair, Gordon Conference of Developmental Biology
1993-1997	Member of Scientific Advisory Committee of Damon Runyon-Walter Winchell Cancer Research Fund
1996-1997	Chair, Damon Runyon Scientific Advisory Committee

1997, 1999, &2003 External Reviewer, Developmental Biology Programme, European Molecular Biology Laboratory, Heidelberg, Germany

2000, 2003, &2005 Member External Advisory Board of the Department of Biological Sciences, Carnegie Mellon University, Pittsburgh, PA

2001 Vice President of the Drosophila Board

2001-2002 President of the Drosophila Board

2001&2004 Ad hoc member NSF panel Developmental Biology

2002-2005 Member, Board of Directors, Genetics Society of America

2006 Member External Review Board, Dept. Biological Sciences, Temple University, Philadelphia PA.

2007 Vice President of the Genetics Society of America

2007 Member, Review Board Keck Foundation

2008 President, Genetics Society of America

2010 Member, Review Committee, Cell Biology Division, Laboratory of Molecular Biology, MRC, Cambridge, UK

2011 Member External Review Panel, Dept. Biology, Johns Hopkins University, Baltimore, MD

2012 Ad hoc member review panel NIH: DEV1

2013&2014 Member review panel NIH: Pioneer Grant Proposals

2011-present Member External Advisory Board, IRB Barcelona, Barcelona, Spain

Editorial:

1988-pres. Editorial Board, Genetics

1990-1995 Editorial Board, Roux's Archives of Developmental Biology

1997-2001; &2007-pres Editorial Committee, Annual Review of Genetics

2001- pres. Associate Editor, Developmental Cell

2005-pres Editorial Board Proceedings of the National Academy of Sciences (PNAS)

Publications:

Schüpbach T, Wieschaus E and Nöthiger R (1978). A study of the female germline in mosaics of *Drosophila*. *Roux's Arch. Dev. Biol.* 184:41-56.

Nöthiger R, Schüpbach T, Szabad J and Wieschaus E (1978). Stem cells and tissue homeostasis in insect development. In: *Stem Cells and Tissue Homeostasis* (British Society for Cell Biology Symposium 2, Lord, Potten, Cole, eds.). Cambridge University Press, Cambridge-London-New York-Melbourne.

Schüpbach T, Wieschaus E and Nöthiger R (1978). The embryonic organization of the genital disc studies in genetic mosaics of *Drosophila melanogaster*. *Roux's Arch. Dev. Biol.* 185:249-270.

Szabad J, Schüpbach T and Wieschaus E (1979). Cell lineage and development in the larval epidermis of *Drosophila melanogaster*. *Dev. Biol.* 73:256-271.

Nöthiger R, Roost M and Schüpbach T (1980). *Masculinizer* is an allele of *double sex*. *Drosophila Information Service* 55:118.

- Schüpbach T (1982). Autosomal mutations that interfere with sex determination in somatic cells of *Drosophila* have no direct effect on the germline. *Dev. Biol.* 89:117-127.
- Schüpbach T (1985). Normal female germ cell differentiation requires the female X-chromosome-autosome ratio and expression of *Sex-lethal* in *Drosophila melanogaster*. *Genetics* 109:529-548.
- Schüpbach T and Wieschaus E (1986). Germline autonomy of maternal-effect mutations altering the embryonic body pattern of *Drosophila*. *Dev. Biol.* 113:443-448.
- Schüpbach T and Wieschaus E (1986). Maternal-effect mutations altering the anterior-posterior pattern of the *Drosophila* embryo. *Roux's Arch. Dev. Biol.* 195:302-317.
- Carroll SB, Winslow GM, Schüpbach T. and Scott MP (1986). Maternal control of *Drosophila* segmentation gene expression. *Nature* 323:278-280.
- Steward R, Ambrosio L and Schüpbach T (1986). Polarity in the Oocyte and Embryo of *Drosophila*. In: *Molecular Approaches to Developmental Biology* (UCLA Symposia on Molecular and Cell Biology, New Series, R. A. Firtel and E. H. Davidson, eds.). Alan R. Liss, Inc., New York. 51:39-50.
- Schüpbach T (1987). Germline and soma cooperate during oogenesis to establish the dorso-ventral pattern of egg shell and embryo in *Drosophila melanogaster*. *Cell* 49:699-707.
- Schüpbach T and Wieschaus E (1989). Female sterile mutations on the second chromosome of *Drosophila melanogaster*. I. Maternal effect mutations. *Genetics* 121: 101-117.
- Price, JV, Clifford RJ and Schüpbach T (1989). The maternal ventralizing locus *torpedo* is allelic to *faint little ball*, an embryonic lethal, and encodes the *Drosophila* EGF receptor homolog. *Cell* 56:1085-1092.
- Manseau LJ and Schüpbach T (1989). *cappucino* and *spire*: Two unique maternal effect loci that are required for both the anterior-posterior and dorso-ventral patterns of the *Drosophila* embryo. *Genes & Dev.* 3:1437-1452.
- Clifford RJ and Schüpbach T (1989). Coordinately and differentially mutable activities of *torpedo*, the *Drosophila melanogaster* homolog of the vertebrate EGF receptor gene. *Genetics* 123:771-787.
- Manseau LJ and Schüpbach T (1989). The egg came first, of course! Anterior-posterior pattern formation in *Drosophila* embryogenesis and oogenesis. *TIGS* 5: 400-405.
- Schüpbach T, Clifford RJ, Manseau LJ, and Price JV (1990). Dorso-ventral signalling processes in *Drosophila* oogenesis. In: *Cell-Cell Interactions in Early Development*. 49th Symp. Soc. Devel. Biol., ed. J. Gerhart, Wiley-Liss Inc., New York. pp. 163-174.
- Schüpbach T and Wieschaus E (1991). Female sterile mutations on the second chromosome of *Drosophila melanogaster*. II. Mutations blocking oogenesis or altering egg morphology. *Genetics* 129:1119-1136.
- Clifford R and Schüpbach T (1992). The *torpedo* (DER) receptor tyrosine kinase is required at multiple times during *Drosophila* oogenesis. *Development* 115:853-872.

- Neuman-Silberberg FS and Schüpbach T (1993). The *Drosophila* dorso-ventral patterning gene *gurken* produces a dorsally localized RNA and encodes a TGF- α like protein. *Cell* 75:165-174.
- Clifford R and Schüpbach T (1994). Molecular analysis of the *Drosophila* EGF receptor homolog reveals that several genetically defined classes of alleles cluster in subdomains of the receptor protein. *Genetics*, 137:531-550.
- Roth S and Schüpbach T (1994). The relationship between ovarian and embryonic dorso-ventral patterning in *Drosophila*. *Development*, 120:2245-2257.
- Neuman-Silberberg FS and Schüpbach T (1994). Dorsoventral axis formation in *Drosophila* depends on the correct dosage of the gene *gurken*. *Development*, 120:2457-2463.
- Schüpbach T and Roth S (1994). Dorso-ventral Patterning in *Drosophila* oogenesis *Curr. Opinion in Gen. and Dev.* 4:502-507.
- Roth S, Neuman-Silberberg FS, Barcelo G and Schüpbach T (1995). *cornichon* and the EGF Receptor Signaling Process are Necessary for Both Anterior-Posterior and Dorsal-Ventral Pattern Formation in *Drosophila*. *Cell*, 81:967-978.
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