

## CURRICULUM VITAE

Renée SCHROEDER

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Citizenship: Austria  
Date of birth: May 18, 1953  
Place of birth: Joao Monlevade, Brazil  
Children: Fabian (1983), Constantin (1985)

### EDUCATION

1960 – 1966: Primary and secondary school at Sacré-Coeur de Belo Horizonte, Brazil  
1966/1967: Lycée de St. Sophie, Luxembourg  
1967 – 1972: Bundesgymnasium Bruck an der Mur, Austria, Matura July 72  
1972-1981: Studies of Biochemistry at the University of Vienna  
1978 Masters degree in Biochemistry, University of Vienna, Austria  
Thesis: "Modulation of LH-RH Stimulated Gonadotropin Release by Progestagens".  
1981 Ph.D. in Biochemistry, University of Vienna, Austria  
Thesis: "On The Cell Differentiation in The Yeast *Saccharomyces cerevisiae*".  
1993 Habilitation in Genetics, Institute of Microbiology and Genetics,  
University of Vienna: "Interaction of Antibiotics with Group I Intron RNA"

Languages: Portuguese, French, German, English, Luxemburg

### FELLOWSHIPS

1980: EMBO short term fellowship (3 months) to Munich, at the Institut für Genetik und Mikrobiologie der Universität München (group of Prof. R.J. Schweyen).  
1982 and 1984/85: EMBO long-term fellowships to the Centre de Génétique Moléculaire of the C.N.R.S. at Gif sur Yvette (group of Prof. Piotr P. Slonimski).  
1987/89: Erwin Schrodinger Fellowship to the New York State Department of Health, Albany, USA (group of Prof. Marlene Belfort).

### POSITIONS

1986: Assistant at the University of Vienna, Institute of Microbiology and Genetics  
1993: "Habilitation" (venia legendi) at the Univ. of Vienna  
1995: Assistant Professor at the Univ. of Vienna  
2005: Head of the Department of Biochemistry, Max F. Perutz Laboratories, University of Vienna  
2005: Vice-President of the Austrian Science Fund (FWF)  
2006: Associated Professor for RNA-Biochemistry at the Department for Biochemistry  
2007: Professor for RNA-Biochemistry at the Department for Biochemistry, Center for Moleculare Biology, Max F. Perutz Laboratories, University Vienna  
2008: Vice-President of the Austrian Science Fund (FWF), re-elected

## AWARDS

- 1984: Theodor-Körner Stiftungspreis für Wissenschaft und Kunst
- 1992: SANDOZ "Forschungspreis für Biologie"
- 1997: Elected member of EMBO
- 2001: L'Oréal UNESCO Special Award for Women in Science
- 2002: Elected corresponding member of the Austrian Academy of Sciences
- 2002: Special award of the University of Vienna for Innovations in Teaching
- 2002: Elected Austrian Scientist of the Year by Science Journalists
- 2003: Elected Full Member of the Austrian Academy of Sciences
- 2003: Wittgenstein award

## OTHER ACTIVITIES

- 1991-1994: Member of the commissions for personnel and budget of the faculty of natural sciences
- 1998-2004: Austrian delegate to the EMBO conference and EMBL council
- 1999-2002: Head of the commission for the studies of molecular biology
- since 2001: Member of the Austrian Commission for the Bioethics
- 2001-2003: Mentor in the Mentoring program of the University of Vienna
- since 2002: Member of the board of trustees of the WWTF
- since 2004: Member of the board of trustees of the European Forum Alpbach
- since 2004: Vicedean of the Lifescience Faculty of the University of Vienna

I want to mention two activities, which I think, are especially important for me and in which I invest a lot of energy and time: public understanding of science and the promotion of women in science. I give an average of 30 to 40 talks a year for the public, because I think that the reason why science is so poorly accepted in Austria is because scientists don't bother communicating their work and explaining why science matters. For this activity, I was elected "scientist of the year" in 2002 by science journalists. My second major activity, gender issues in science, is in my point of view very important for two reasons: i) science has always underestimated the role and value of women in our society and ii) no society can afford to waister female creativity and productivity.

## MEMBERSHIPS

- ÖGBMB (Austrian Society for Biochemistry and Molecular Biology)
- ÖGGGT (Austrian Society for Genetics and Gene Technology)
- RNA society
- ISSOL (International Society for the Studies of the Origin of Life)

## AWARDED RESEARCH GRANTS

- 1991-1992: Grant from the FWF (P8072-BIO), "Accessory factors for *in vivo* splicing of group I introns", 662.468 ATS.
- 1992-1993: Grant from the FWF (P8639-MOB): "Gentamicin and self-splicing of group I introns", 1.096.000 ATS.
- 1992: Grant from the Jubiläumsstiftung der Stadt Wien: "Splicing Inhibition of mitochondrial transcripts in yeast by the antibiotic gentamicin", 80.000 ATS.
- 1993/94: FWF (P9457-MOB) "Antibiotics and Group I Introns", 1.299.780 ATS.
- 1994/95: FWF (P9853) "Metal ions in RNA catalysis", 914.000 ATS.
- 1993-95: European Community, Biotechnology Programme (# 930345) "*In vitro* Selection of RNA Structural Motifs with self-splicing activity", 1.621.000 ATS
- 1994-96: Jubiläumsfonds der Österreichischen Nationalbank (5061) "Selection of tag molecules for group I intron RNA", 300.000 ATS.
- 1995-97: FWF (P10615-MOB) "RNA-Antibiotic interactions", 2.356.000 ATS.

- 1996: BMWFK (GZ-200.016/1-Pr/4/95) "Crystallisation of Antibiotic/RNA aptamer complexes", 158.500 ATS.
- 1996-98: FWF (P11362-GEN) "Metal ions in RNA Catalysis", 1.372.400 ATS.
- 1997-2000: FWF (P11999-MOB) "RNA/Antibiotic interactions *in vivo and in vitro*", 2.428.000 ATS.
- 1998-2002: Coordinator of European Union TMR network (ERBFMRXCT97-0154) "From structural biology of RNA-binding antibiotics to antibiotic design", 180.000 ECU.
- 1998-2001: FWF P13189-GEN, "Role of Metal ions in RNA-Ligand Interactions", 2.688.000 ATS.
- 1999-2000: FWF P14000, "Proteins with *in vivo* RNA chaperone activity", 4.409.880 ATS.
- 2000-2001: Amadeus 00 182 SD, joint project with Eric Westhof, Strasbourg, France
- 2001-2003: FWF F1703, "Proteins with *in vivo* RNA chaperone Activity", 4.204.500 ATS.
- 2001-2003: FWF F1704, "Tools for the analysis of RNA-binding proteins using RNA aptamers" 2.192.122 ATS.
- 2002-2005 : FWF, P16026, ."Stability of RNA tertiary structure elements", 348.094,74 €
- 2003-2008: FWF, Z72, "RNA Folding and Catalysis", 1. 500.000 €
- 2004-2006: FWF1703, "Proteins with RNA Chaperone Activity", 284.220 €
- 2005-2008: Coordinator of the European STREP Progr "BacRNAs" FP6-018618, 2,6 Mill€

## TEACHING ACTIVITIES

WS 1986/87:	Lehrauftrag vom Institut für Allgemeine Biochemie: Einführung in die biochemischen Arbeitsmethoden, 4 St.
SS 1987:	Lehrauftrag vom Institut für Mikrobiologie und Genetik, Vorlesung: Spezielle Stoffwechseleistungen der Mikroorganismen, 2 St.
SS 1987 und 1990:	Lehrauftrag für Experimentelle Genetik I (3 St.)
since WS 1989/90:	Exper. Genetik III (6 St.) und Exper. Genetik IV (12 St.)
since WS 1991/92:	Exper. Genetik II (6 St. ) inkl. Proseminar (2 St.)
since WS 1992/93:	Exper. Genetik III (6 St.) inkl. Proseminar (2 St.)
SS94 - SS2001:	Mikrobiologie IIIA (Antibiotika), VO (1 St.)
since SS94:	Molekularbiologie der RNA, VO (1 St.)
SS 1995 - SS2000:	Methoden der Molekularbiologie für Biologen, (VO) (1 St.)
SS 1995 - SS2000:	Exper. Genetik für Biologen (6 St.), inkl. PS (2. St.)
SS95:	Gastprofessorin an der Univ. Graz: Genetik I, VO (2 St.)
SS95:	Gastprofessorin an der Univ. Graz: Biotechnologie, VO (2 St.)
since WS 2001:	Einführung in die Genetik
since WS 2001:	Molekularbiologische Übungen IIB (6 St.)
since SS 2002:	Problemfelder in der Molekularbiologie (VO, 1st.)
since WS 2002:	Gender in Science (2St. Seminar)

Advisor to 17 PhD students and 22 Diploma students working in my group