

DEMAUREX Nicolas, 1963

CURRICULUM VITAE

1. Personal data

Name: **DEMAUREX Nicolas**
Born: March 26, 1963
Nationality: Swiss
Marital Status: Married, three children
Academic Grade: Professor, University of Geneva

Address: Department of Cell Physiology and Metabolism *Private:*
CMU, 1 rue Michel-Servet Nicolas Demaurex
1211 Genève 4, Switzerland 11, ch. de Charvel
tel: (4122) 379-5399 1222 Vérenaz, Switzerland
fax: (4122) 379-5338 tel/fax: (4122) 772-0369
Nicolas.Demaurex@unige.ch

2. Current Position

Full professor, Department of Cell Physiology and Metabolism, Geneva, Switzerland
Teaching 20%, research 60%, administration 20%

3. Education

1982-89 Medical School, University of Geneva, Switzerland
1993 Thesis in Medicine, University of Geneva, Switzerland
1993 Thesis in Biological Sciences, University of Geneva, Switzerland
2001 Privat-Dozent, Faculty of Medicine, University of Geneva

4. Professional Activities

1989-93 PhD Fellow, Infectious Diseases, Geneva University Hospitals (Prof. D. Lew)
1994-96 Post-Doctoral Fellow, Division of Cell Biology, Hospital for Sick Children,
Toronto, Canada (Prof. S. Grinstein)
1996-97 Maître Assistant, Medical Research Foundation Geneva (Prof. W. Schlegel)
1997-03 Max Cloëtta fellow, Dept. of Physiology, University of Geneva, Switzerland
2004 Associate Professor, Dept. of Cell Physiology and Metabolism, University of
Geneva, Switzerland
2010 Full Professor, Dept. of Cell Physiology and Metabolism, University of
Geneva, Switzerland

5. Teaching:

Pregraduate:

1997- Faculty Tutor for 2nd and 3rd year Medical Students (28 h/year)
2000- co-organizer, Problem-based teaching unit « Excretion and Homeostasis »
2000- Organizer, 2nd year medical exams (QCM and practical, 120 students)
2009- Course on membrane transport, 1st year Medical Students (6 h/year)
2011- Member of the bachelor committee of the medical faculty

Postgraduate:

1997-2001 Instructor, course on "Laboratory Techniques for MD" (40h/year)
1999- Instructor, post-graduate course in Cell and Molecular Biology (30h/year)
2003 Organizer, Cell Imaging Course, Swiss Federal Institute of Technology (96h)

6. Awards

- 1993 Award from the *Swiss Society of Infectious Diseases*
 1997 Career award from the *Max Cloëtta Foundation*, Zürich
 1999 Research Award from the *Leenaards Foundation*, Lausanne

7. Membership of Scientific Societies

Vice-president, *Swiss Society of Physiology*; Member, *Society of General Physiologists*, *American Biophysical Society*, *Biochemical Society (UK)*

8. Official Fonctions

- 2001-2012 Head, *Bioimaging Core Facility*, *University of Geneva Medical School*
 2006-2010 Chair, *Department of Cell Physiology and Metabolism*, *University of Geneva*
 2012- Vice-dean, *faculty of medicine*, *University of Geneva*
 2012- Member of the *Federal Committee for Medical Professions (MEBEKO)*

9. Editorial Work

Editorial adviser: *Biochem J.*, Regular referee: *J. Biol. Chem.*, *J. Physiol.* Ad hoc referee: *Cell*, *Science*, *Nature*, *PNAS*, *EMBO J.*, *J.Clin. Invest.*, *J. Immunol.*, *J.Exp. Med.*, *J. Cell Biol.*, *J. Cell Science*, *J. Gen. Physiol.*, *Am. J. Physiol.*, *Mol. Biol. Cell*; *Eur. J. Physiol.*, *Biochem. Biophys. Acta*; *Mol. Biol. Cell*, *Cell Death and Differentiation*, *Cell Calcium*, *J. Leuk. Biology*

10. Grants

- 1996-1999 SNF 31-46859.96 "Calcium homeostasis of the Golgi complex CHF 297'000.-
 1997 *Sandoz Foundation* "Mechanisms of *Mycobacterium* persistence in macrophages" CHF 47'868.-
 1999-2002 SNF 31-56802.99 "Calcium homeostasis of intracellular organelles and proton conductances" CHF 320'000.-
 2000 *Roche Research Foundation* grant: "Role of proton channels in the prevention of apoptosis" CHF 40'000.-
 2002-2007 SNF 31-068317.02 "Role of mitochondria in calcium signalling and apoptosis. Identification and characterization of proton channels." CHF 798'300.- (incl. bonus of excellence for 2 years)
 2007-2013 SNF 31003A_118393 "Signalling proteins and ion channels of the endoplasmic reticulum, mitochondria, and phagosomes" CHF 1'000'294.- (incl. bonus of excellence for 3 years)
 2014-2017 SNF 31003A_149566 "Signaling at membrane contact sites between the endoplasmic reticulum, mitochondria, and phagosomes" CHF.- 751'000.-

11. Thesis supervision

Completed: *Andrès Maturana* (Thesis in Biology, 2002), *Hélène Jousset* (Thesis in Biology, 2007), *Nathalie Girardin* (Thesis in Biology, 2010), *Samira Daou* (Thesis in Bacteriology, 2011, *Versailles University*), *WeiWei Shen* (Thesis in Biology, 2012), *Yves Gouriou* (Thesis in Neurosciences, 2013)

Ongoing: *Sophie Saüc* (Thesis in Biological Sciences, 2012-), *Daniele Guido* (Thesis in Biological Sciences, 2013-), *Monica Bulla* (MD-Ph.D, 2013-)

12. Research focus

Cell signalling; physiology of ion transport

Group members: *Maud Frieden*, lecturer; *Paula Nunes*, senior post-doctoral fellow; *Manon Rosselin*, *Samuel Bouvet*, post-doctoral fellows; *Sophie Saüc*, *Daniele Guido*, *Monica Bulla*, Ph.D students; *Cyril Castelbou*, technician

Nicolas Demaurex