

Maria Sibilia: Curriculum vitae

Residency: Medical University of Vienna, Comprehensive Cancer Center, Department of Medicine I, Institute for Cancer Research

Education

2010 – present	Head of the Institute of Cancer Research, Medical University Vienna
2007 – present	Full Professor for Cellular and Molecular Tumorbiology, Head of the Research Unit Cellular and Molecular Tumorbiology, Institute for Cancer Research, Department of Medicine I, Medical University of Vienna, Austria
2002 - 2007	Associate Professor at the Department of Dermatology, DIAID, University of Vienna Medical School, Vienna, Austria
2002	Venia docendi (Habilitation) in Molecular Biology and Genetics, University of Vienna
1999 - 2002	Assistant Professor at the Department of Dermatology, DIAID, University of Vienna Medical School, Vienna, Austria
1996 – 1998	Staff Scientist at the Institute of Molecular Pathology (IMP), Vienna, Austria
1993 – 1996	Postdoctoral fellow at the Institute of Molecular Pathology (IMP), Vienna, Austria
1990 – 1992	Ph.D. Studies in Genetics and Molecular Biology, University of Pavia and Department of Biotechnology and Virology, Brescia, Italy
1986 – 1989	Experimental thesis (Laurea), Department of Genetics and Microbiology, University of Pavia, Italy
1984 – 1989	Study of Biological Sciences, University of Pavia, Italy, with honours
1970 – 1984	Schools in Thusis and Chur (GR), Switzerland

Current Academic Positions

- Head of the Institute of Cancer Research, Medical University Vienna,
- Dpt. Director, Comprehensive Cancer Center, Medical University Vienna, www.ccc.ac.at

Research Interest and Publications

- **Main areas of interest:**
 - Mouse genetics
 - Transgenesis
 - Embryology
 - tumor biology
 - angiogenesis
 - tumor microenvironment
 - oncogenic transformation
 - EGFR
 - signal transduction
 - innate immune cells
 - inflammation
 - TLR signalling
 - tumor immunology
- **10 most important scientific publications (* Corresponding Author)**
 - Lichtenberger, B.M., P.A. Gerber, M. Holcman, B.A. Buhren, V. Smolle, H. Schruppf, E. Boelke, P. Ansari, C. Mackenzie, A. Wollenberg, J. W. Fischer, J. Harder, J. M. Schröder, B. Homey and **M. Sibilia**. Epidermal **EGFR controls** cutaneous host defense and prevents inflammation. **Sci Transl Med**. 2013 Aug 21;5(199):199ra111. doi: 10.1126/scitranslmed.3005886.



- Drobits, B., M. Holcman, N. Amberg, M. Swiecki, R. Grundtner, M. Hammer, M. Colonna, and **M. Sibilja**. 2012. Imiquimod clears tumors in mice independent of adaptive immunity by converting pDCs into tumor-killing effector cells. *The Journal of clinical investigation* 122: 575-585.
- Lichtenberger, B. M., P. K. Tan, H. Niederleithner, N. Ferrara, P. Petzelbauer, and **M. Sibilja***. 2010. Autocrine VEGF signaling synergizes with EGFR in tumor cells to promote epithelial cancer development. *Cell* 140:268-279.
- Holcman M, Stoitzner P, Drobits B, Luehrs P, Stingl G, Romani N, Maurer D, **Sibilja M**. Skin inflammation is not sufficient to break tolerance induced against a novel antigen. *J Immunol*. 2009. 183(2):1133-43. doi: 10.4049/jimmunol.0713351. PMID: 19570825.
- Natarajan A, Wagner B, **Sibilja M**. The EGF receptor is required for efficient liver regeneration. *Proc Natl Acad Sci U S A*. 2007. 104(43):17081-6. doi: 10.1073/pnas.0704126104. PMID: 17940036.
- Wagner B, Natarajan A, Grunau S, Kroismayr R, Wagner EF, **Sibilja M**. Neuronal survival depends on EGFR signaling in cortical but not midbrain astrocytes. *EMBO J*. 2006. 25(4):752-62. doi: 10.1038/sj.emboj.7600988. PMID: 16467848.
- Palamara F, Meindl S, Holcman M, Luhrs P, Stingl G, **Sibilja M**. Identification and characterization of pDC-like cells in normal mouse skin and melanomas treated with imiquimod. *J Immunol*. 2004. 173(5):3051-61. PMID: 15322165.
- **Sibilja M**, Wagner B, Hoebertz A, Elliott C, Marino S, Jochum W, Wagner EF. Mice humanised for the EGF receptor display hypomorphic phenotypes in skin, bone and heart. *Development*. 2003. 130(19):4515-25. doi: 10.1242/dev.00664. PMID: 12925580.
- **Sibilja, M.***, A. Fleischmann, A. Behrens, L. Stingl, J. Carroll, F. M. Watt, J. Schlessinger, and E. F. Wagner. 2000. The EGF receptor provides an essential survival signal for SOS-dependent skin tumor development. *Cell* 102:211-220.
- **Sibilja, M.**, and E. F. Wagner. 1995. Strain-dependent epithelial defects in mice lacking the EGF receptor. *Science* 269:234-238.

Career-related activities:

- Board member of the Austrian Association of Molecular Life Sciences and Biotechnology, 2012 – present
- Board of Trustees of the Jubilee Fund of the City of Vienna for the Austrian Academy of Sciences, 2012 – present
- Member of the Scientific Advisory Board of Oncotyrol ISSB, Innsbruck, Austria, 2012 – present
- Member of the Board (Kuratorium) of the Fund of the City of Vienna for innovative and interdisciplinary Cancer Research, 2011 – present
- Board of Trustees member of the Hans and Blanca Moser Foundation for the Promotion of training of cancer and heart specialists, 2011 – present
- Member of the coordination team of the Comprehensive Cancer Center (CCC) Vienna, responsible for basic and translational research, 2010 – present
- Member of the Board (Kuratorium) of the Austrian Science Fund (FWF), 2008 – present
- Academic career Mentor within the Gender Mainstreaming program of the Medical University of Vienna, 2008 - present
- Speaker/Coordinator of the PhD Program (FWF-Doktoratskolleg) "Inflammation and Immunity", 2007 – present

Editorial and Reviewer Positions

- **Ad-Hoc Reviewer** for international peer-reviewed journals and funding agencies (e.g. EMBO J., Cancer Res. MCB, JBC, JCB, Development, Oncogene, JID, Hepatology)
- **Editorial Board:** Journal of Clinical Oncology

Awards

- 2014: Grand Decoration of Honour (Commander) from the Order of Merit of the Italian Republic
- 2013: Corresponding member of the Austrian Academy of Science (ÖAW)
- 2012: Election as EMBO Member (European Molecular Biology Organization)
- 2005: Alois-Sonnleitner Prize, Austrian Academy of Sciences (ÖAW) for outstanding achievements in Cancer Research
- 2003: Otto-Kraupp-Prize: 1st Prize for the best Habilitation in Austria for the year 2002
- 2002: Habilitation Prize "Verein zur Förderung von Wissenschaft und Forschung in den Neuen Universitätskliniken am AKH der Stadt Wien" (VFWF)
- 2000: ÖGDV-Unilever Dermatology Prize 2000
- 1992 - 1994: Postdoctoral fellowship from the "Associazione Italiana per la Ricerca sul Cancro (AIRC)
- 1990 - 1992: Graduate Student Fellowship from the "Fondazione Istituto Zooprofilattico Sperimentale, Brescia"