

Dr. Guenter Schwamberger

Date and Place of Birth: July 11, 1957, Wals, Salzburg, Austria

Nationality: Austrian

Marital Status: Single



Education:

University:

University of Salzburg, Austria

1984: Promotion with excellence to PhD

1981-1984: PhD Thesis at the Institute for General Biology, Biochemistry and Biophysics.
Title of Thesis: "Variation of antigenic properties of E. coli proteins as a function of growth temperature and growth phase".

1976-1981: Courses in Biology, Biochemistry and Genetics

Schools:

1976: University entry exam

1968-1976: Bundesrealgymnasium Salzburg

1964-1968: Primary school in Walsertal, Salzburg

Scientific Career:

Since 07/2014: Scientific director of the research association "SCIENTIA PRO SANITAS - SPS"

07/2012 - 06/2014: Chairman of the research association „SCIENTIA PRO SANITAS – SPS“, building of the association's website sps-research.eu, recruitment of members and sponsors, establishment of a microscopic "Live Cell Imaging" station for videomicrographic tracing of cellular tumor defense processes

02/2012 - 06/2012: Foundation of the nonprofit scientific association "SCIENTIA PRO SANITAS – SPS" for research on natural cancer defense by the immune system, establishment of association structures

10/2011 - 12/2011: Bfz Leadership Seminar

01/2011 – 09/2011: Pilot studies in preparation of a FWF-grant application on:
„MafB/c-Maf-double-deficient macrophages as a model system for adoptive, macrophage-targeted cancer therapy“
in cooperation with the Centre d'Immunologie Marseille-Luminy, France

09/2007 – 12/2010: Senior Scientist and Project Director at the Dept. of Molecular Biology, Div. of Allergy & Immunology, University of Salzburg, Austria, in cooperation with the Oncology Research Institute, Greenville, South Carolina, USA

11/2006 – 04/2007: Visiting Scientist at the Oncology Research Institute, Greenville, South Carolina, USA

10/2001 – 10/2006: Independent Scientist and Project Director at the Dept. of Molecular Biology, Div. of Allergy & Immunology, University of Salzburg, Austria,
04/2003 - 03/2006 due to severe health problems only limited scientific activity

- 10/1995 - 09/2001: Visiting Professor at the Institute for Chemistry and Biochemistry, University of Salzburg, Austria
- 01/1990 -12/1997: Research Scientist at the Max-Planck-Institute for Immunobiology, Freiburg, Germany and Project Director of a Research Group
"Mechanisms of Macrophage-mediated Cancer Defense"
funded by the German Federal Ministry for Research and Technology and the Dr. Mildred-Scheel-Foundation for Cancer Research
- 10/1987 - 09/1989: Research Scientist and Group Leader at the Dept. of Immunology, Clinical Workgroups for Rheumatology of the Max-Planck-Society, Erlangen, Germany
Research topic: "Activation Mechanisms of Macrophages"
- 10/1985 - 09/1987: Research Fellow of the Max-Planck Society with Prof. Dr. Ernst Ferber at the Max-Planck-Institute for Immunobiology, Freiburg, Germany
Research topic: "Isolation and Characterization of a Phospholipase A2 with Specificity for Arachidonic Acid from Mouse Bone-Marrow-Derived-Macrophages"
- 04/1984 - 09/1985: Research Assistant at the Department of Biochemistry, University of Salzburg
- 01/1982 - 03/1984: Research Assistant at the Department of Genetics, University of Salzburg

Current Research Focus:

"Characterization of the Macrophage Antitumor Activity MTC 170"

"Development of Macrophage-based Gene Therapy Strategies for Cancer"

Teaching:

Courses:

10/1994 – 06/2004: Lectures, practical courses and seminars in Immunology and Cancer Biology at the University of Salzburg

Guidance of Diploma- and PhD-Theses:

Diploma Theses: "Untersuchungen zur Erfassungsmöglichkeit biospezifischer Zell-Adhäsion an Nitrozellulose-gebundene Makromoleküle"
by Sabine Stark, Universität Erlangen-Nürnberg 1990

"The role of macrophages in photodynamic tumor therapy"
by Isabella Reiter, Universität Salzburg 1995

"The role of nitric oxide in the antitumor activity of murine macrophages"
by Christine Dallner, Universität Salzburg 1998

PhD Theses: "Charakterisierung einer neuartigen antitumoralen Aktivität in Kulturüberständen menschlicher Makrophagen"
by Susanne Harwix, Universität Freiburg 1991

"Differential effect of apoptotic versus necrotic tumor cells on macrophage antitumor activities in vitro, and tumor growth, development and treatment in vivo"
by Mag. Isabella Reiter, Universität Salzburg 2000

Membership in Scientific Societies:

European Macrophage and Dendritic Cell Society

Society for Leukocyte Biology

Austrian Society for Molecular Biosciences and Biotechnology