

Univ.-Prof. Dipl.-Ing. Dr. Hannes Stockinger

Dean of Doctoral School, Medical University of Vienna; Internet: <http://www.meduniwien.ac.at/phd>;

Chairman Department of Molecular Immunology, Center of Physiology, Pathophysiology and Immunology, Medical University of Vienna; Internet: <http://www.meduniwien.ac.at/immunology>;

CEO Competence Center Biomolecular Therapeutics, Internet: <http://www.bmt-research.at>

Business address A-1090 Vienna, Lazarettgasse 19, Austria

Tel.: +43-1-40160 33001; Fax: +43-1-40160 933002;

E-mail: [hannes.stockinger\(at\)meduniwien.ac.at](mailto:hannes.stockinger(at)meduniwien.ac.at)

Personal Data

Date of Birth: May 8, 1955, Nationality: Austrian, Marital status: Married.

Education

1975-1982 University of Natural Resources and Applied Life Sciences Vienna, Field of study: Biotechnology

1982 Biotechnology diploma University of Natural Resources and Applied Life Sciences Vienna, Austria

1982-1985 Postgraduate training and PhD thesis at the Institute of Immunology, University of Vienna, and the Institute of Applied Microbiology, University of Natural Resources and Applied Life Sciences Vienna, Austria

1985 PhD (Dr. rer. nat. tech.) University of Natural Resources and Applied Life Sciences Vienna, Austria

CAREER HISTORY

University

1985-1989 Research Associate, Inst. Immunology, Univ. Vienna, Austria

1989-1991 Assistant Professor, University of Vienna, Austria

1991 Appointment as university lecturer (Univ.-Doz.), University of Vienna, Austria

1991-1997 Associate Professor, University of Vienna, Austria

1997-2004 Ao. University Professor, University of Vienna, Austria

1999-2004 Deputy-chairman of the Institute of Immunology, University of Vienna

2004-present Appointment as Full University Professor for Molecular Immunology, Medical University of Vienna, Austria

2004-present Chairman of the Department of Molecular Immunology, Medical University of Vienna, Austria

2004-present Dean of the Doctoral School of the Medical University Vienna

2008-present Deputy chairman Center of Physiology, Pathophysiology and Immunology, Medical University Vienna

General

1986-1988 Treasurer of the Collegium Immunologicum Vindobonense

1992-1994 Vice Secretary of the Austrian Society for Allergology and Immunology

1994-1996 Secretary General of the Austrian Society for Allergology and Immunology

1996-1997 Council member of the Austrian Society for Allergology and Immunology

1997-2002 Member of the Managing Board of the European Confederation of Laboratory Medicine

1997-2007 Member of the Editorial Board of International Archives of Allergy and Immunology

2000-2002 President-elect of the Austrian Society for Allergology and Immunology

2000-2004 Member of the International Advisory Board of Russian Journal of Immunology

2000-2006 Advisory Board member of Signal Transduction – Receptors, Mediators, Genes.

2002-2004 President of the Austrian Society for Allergology and Immunology

2004-2006 Past-president of the Austrian Society for Allergology and Immunology

1995-present Member of the Clinical Immunology Group of the European Federation of Immunological Societies (EFIS-CIG)

2002-present CEO Competence Center for Biomolecular Therapeutics Research Vienna

2003-present Executive editor of Immunology Letters

2004-present Member of the Human Cell Differentiation Molecules Council

2005-present Board member of the Austrian Science Fund

2006-present Treasurer of the European Federation of Immunological Societies (EFIS)

2007-present Treasurer of the Federation of Austrian Scientific Societies

2009-present Editor Journal of Biomedicine and Biotechnology

2009-present Executive Committee member of ORPHEUS (Organization for PhD Education in Biomedicine and Health Sciences in the European System)

Publications

More than 140 publications in scientific journals including the top journals Cell, Science, Nature Methods, Journal of Experimental Medicine that were cited more than 5000x.

Patents

Five patents in the field of immunomodulation

Research Interests

Immunology with emphasis on the structure and function of surface receptors on T cells and accessory/dendritic cells to identify novel targets for influencing abnormal and unwanted immune reactions in immunological disorders and diseases. Internationally well recognized are the investigations, which contribute to the understanding of how glycosylphosphatidylinositol (GPI)-anchored receptor proteins transduce signals across the plasma membrane. These studies were fundamental for the identification and characterization of special membrane microdomains, called lipid rafts, which are more and more believed to control initiation of signal transduction across the membrane of cells.

Current Research Emphasis

Characterization of novel co-regulatory molecules of T cells and the underlying signal transduction mechanisms to design and develop strategies to distinguish and correct aberrant and unwanted reaction of immune cells in immunological diseases. Special emphasis is on the development of novel microscopic techniques to analyze the dynamic of receptors and signaling molecules on the single molecule level in living cells in real time. First results derived from this “real-time biochemistry with single molecules in living cells” suggest a new vista of how molecules function in cells. Based on these studies new diagnostic assays will be developed.

Ten Selected Publications

1. Stockinger, H., S. J. Gadd, R. Eher, O. Majdic, W. Schreiber, W. Kasinrerck, B. Strass, E. Schnabl, and W. Knapp. 1990. Molecular characterization and functional analysis of the leukocyte surface protein CD31. *J.Immunol.* 145: 3889.
2. Stefanovč, I., V. Horejš, I. J. Ansotegui, W. Knapp, and H. Stockinger. 1991. GPI-anchored cell surface molecules complexed to protein tyrosine kinases. *Science* 254: 1016.
3. Kasinrerck, W., T. Baumruker, O. Majdic, W. Knapp, and H. Stockinger. 1993. CD1 molecule expression on human monocytes induced by granulocyte-macrophage colony stimulating factor. *J. Immunol.* 150: 579.
4. Bohuslav, J., V. Horejši, C. Hansmann, J. Stückl, U. H. Weidle, O. Majdic, I. Bartke, W. Knapp, and H. Stockinger. 1995. Urokinase plasminogen activator receptor, b2-integrins, and Src-kinases within a single receptor complex of human monocytes. *J.Exp.Med.* 181:1381.
5. Prager, E., R. Sunder-Plassmann, C. Hansmann, C. Koch, W. Holter, W. Knapp, and H. Stockinger. 1996. Interaction of CD31 with a heterophilic counterreceptor involved in downregulation of human T cell responses. *J. Exp. Med.* 184:41.

6. Prager, E., G. Staffler, O. Majdic, M. D. Sdemann, S. Godbr, G. J. Zlabinger, and H. Stockinger. 2001. Induction of hyporesponsiveness and impaired T lymphocyte activation by the CD31 receptor:ligand pathway in T cells. *J. Immunol.* 166: 2364.
7. Staffler, G., A. Szekeres, G.J. Schütz, M.D. Sdemann, E. Prager, M. Zeyda, K. Drbal, G.J. Zlabinger, T. Stulnig, and H. Stockinger. 2003. Selective inhibition of T cell activation via CD147 through novel modulation of lipid rafts. *J. Immunol.* 171:1707.
8. Leksa, V., S. Godar, H. B. Schiller, E. Fuertbauer, A. Muhammad, K. Slezakova, V. Horejsi, P. Steinlein, U. H. Weidle, B. R. Binder, and H. Stockinger. 2005. TGF-beta induced apoptosis in endothelial cells mediated by M6P/IGFII-R and mini-plasminogen. *J Cell Sci* 11:4577.
9. Schwarzenbacher, M., M. Kaltenbrunner, M. Brameshuber, C. Hesch, W. Paster, J. Weghuber, B. Heise, A. Sonnleitner, H. Stockinger*, and G.J. Schütz*. 2008. Micropatterning for quantitative analysis of protein-protein interactions in living cells. *Nature Meth.* 5: 1053. *Corresponding author.
10. Paster, W., C. Paar, P. Eckerstorfer, A. Jakober, K. Drbal, G.J. Schütz, A. Sonnleitner, and H. Stockinger. 2009. Genetically encoded FRET-sensors for the conformation of the Src-family kinase Lck. *J. Immunol.* 182: 2160.

He become ORPHEUS Executive Committee member April 24, 2009.