

Meinrad Busslinger

I. Address Research Institute of Molecular Pathology (IMP)
Dr. Bohr-Gasse 7, A-1030 Vienna, Austria
Phone: 0043-1-79730-3150
E-mail: busslinger@imp.ac.at
Website: www.imp.ac.at/research/meinrad-busslinger

II. Education and professional employment

1972-1976 Studies of Natural Sciences at the ETH Zürich
1976 Diploma in Biochemistry
1976-1980 Ph.D. studies at the Institute of Molecular Biology II, University of Zürich,
Under the supervision of Prof. Dr. Max L. Birnstiel
1980 Ph.D. in Molecular Biology
1981-1982 Postdoctoral fellow at MRC Institute Mill Hill, London, with Dr. Richard A. Flavell
1983-1987 Group Leader (Oberassistent) at the Institute of Molecular Biology II,
University of Zürich
1987-present Senior Scientist at the Institute of Molecular Pathology (IMP), Vienna
1996 Appointment as Professor (Ao. Univ.-Prof.) at the University of Vienna
2007 Appointment as Director of Academic Affairs at the IMP
2013 Appointment as Scientific Deputy Director of the IMP

III. Scientific Keywords

B cell lineage commitment
Transcriptional control of B cell development
Spatial regulation of V(D)J recombination
Transcription factors controlling B cell immunity
Notch signaling in early T cell development

IV. Five important publications

1. Urbánek, P., Wang, Z.-Q., Fetka, I., Wagner, E. F., and Busslinger, M. (1994). Complete block of early B cell differentiation and altered patterning of the posterior midbrain in mice lacking Pax5/BSAP. *Cell* 79, 901-912.
2. Nutt, S. L., Heavey, B., Rolink, A. G., and Busslinger, M. (1999). Commitment to the B-lymphoid lineage depends on the transcription factor Pax5. *Nature* 401, 556-562.
3. Cobaleda, C., Jochum, W., and Busslinger, M. (2007). Conversion of mature B cells into T cells by dedifferentiation to uncommitted progenitors. *Nature* 449, 473-477.
4. Medvedovic, J., Ebert, A., Tamir, I., Tagoh, H., Schwickert, T., Novatchkova, M., Sun, Q., Huis in 't Veld, P.J., Guo, C., Yoon, H.S., Denizot, Y., Holwerda, S. J., de Laat, W., Cogné, M., Shi, Y., Alt, F. W., and Busslinger, M. (2013). Flexible chromatin loops in the V_H gene region of the *Igh* locus facilitate the generation of a diverse antibody repertoire. *Immunity* 39, 229-244.
5. Schwickert, T.A., Tagoh, H., Gültekin, S., Dakic, A., Axelsson, E., Minnich, M., Ebert, A., Werner, B., Roth, M., Dickins, R.A., Zuber, J., Jaritz, M., and Busslinger, M. (2014). Stage-specific control of early B cell development by the transcription factor Ikaros. *Nature Immunology* 15, 283–293.

V. Selection of awards, promotions and scientific activities

Scientific awards Wittgenstein prize 2001 (most prestigious Austrian science prize)
Virchow Medal 2010 (Medical Faculty, University of Würzburg, Germany)
ERC Advanced Grant (2011)

Memberships European Molecular Biology Organization (1990)
Academia Europaea (2000)
Corresponding Member of the Austrian Academy of Sciences (2005)
Member of the Austrian Academy of Sciences (2009)
Honary Member of the Swiss Society for Allergology and Immunology (2014)

Editorial boards *Immunity*, *Journal of Experimental Medicine*, *EMBO Journal*, *Nucleic Acids Research*

Advisory boards Stem Cell Institute (Cambridge, UK)
Centre d'Immunologie de Marseille-Luminy (Marseille, France)
Walter and Eliza Hall Institute (Melbourne, Australia)