

<b>Name</b> RETH, Michael Born: November 8 <sup>th</sup> , 1950	<b>Position Title</b> Full Professor Institute of Biology III University of Freiburg, Germany
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## EDUCATION/TRAINING

Institution and Location	Degree	Year(s)	Field of Study
University of Cologne, Germany	Habilitation	1988	Genetics
University of Cologne	Dr. rer. nat.	1981	Immunol./Genetics
University of Cologne	Diploma	1971-1977	Biology

### A. Positions and Honours

#### Employment/Experience

2007-present	Scientific director of the BIOSSE Centre for Biological Signalling Studies funded by the excellence program of the German government
1996-present	Full Professor in Molecular Immunology, University of Freiburg
1989-1996	Associate Professor (C3), MPI for Immunobiology, Freiburg
1985-1988	Group Leader, Institute of Genetics, University of Cologne
1982-1985	Postdoctoral Fellow (DFG), Columbia University, New York

#### Honors, Awards and Scholarships

2012	ERC Advanced Grant (Nanoscale analysis of protein islands on lymphocytes)
2009	Schering-Plough Prize
2006	Elected as member of the Leopoldina
1995	Gottfried-Wilhelm-Leibniz Prize of the DFG
1995	Elected as EMBO-member
1988	Heinz-Maier-Leibnitz Prize for Immunogenetics
1982	DFG Postdoctoral Fellowship

#### Other Scientific Activities

2008	Honorary Member of the American Association of Immunologists
2005-present	Member of the Advisory Board of the of the IDI Institute, Harvard University, USA
2003-present	Editorial Board, Annual Review of Immunology
1992-2007	Editorial Board, European Journal of Immunology
1990-present	Transmitting Editor, International Immunology

## B. 10 Selected Publications

The dissociation activation model of B cell antigen receptor triggering. Yang J, Reth M. **FEBS Lett.** 2010;584(24):4872-7

Oligomeric organization of the B cell antigen receptor on resting cells. Yang J, Reth M (2010). **Nature**, 467:465-469.

N-linked glycosylation selectively regulates autonomous precursor BCR function. Uebelhart R, Bach MP, Eschbach C, Wossning T, Reth M, Jumaa H (2010). **Nat Immunol.** 11 (8), 759-766.

Arginine methylation of the B cell antigen receptor promotes differentiation. Infantino S, Benz B, Waldmann T, Jung M, Schneider R, Reth M (2010). **J Exp Med.** 207:711-719.

Regulation of B-cell proliferation and differentiation by pre-B cell receptor signalling. Herzog S, Reth M, Jumaa H (2009). **Nat Rev Immunol** 9(3):195-205.

SLP-65 regulates immunoglobulin light chain gene recombination through the PI(3)K-PKB-Foxo pathway. Herzog S, Hug E, Meixlsperger S, Paik JH, DePinho RA, Reth M, Jumaa H. (2008). **Nat Immunol.** 9 (6):623-31.

Deficiency of the adaptor SLP-65 in pre-B-cell acute lymphoblastic leukaemia. Jumaa, H, Bossaller L, Portugal K, Storch B, Lotz M, Flemming A, Schrappe M, Postila V, Riikonen P, Pelkonen J, Niemeyer CM, Reth M (2003). **Nature** 423, 452-456.

Amplification of B cell antigen receptor signaling by a Syk/ITAM positive feedback loop. Rolli V, Gallwitz M, Wossning T, Flemming A, Schamel WW, Zurn C, Reth M (2002). **Mol Cell** 10, 1057-1069.

Monomeric and oligomeric complexes of the B cell antigen receptor. Schamel WW, Reth M (2000). **Immunity** 13, 5-14.

Molecular components of the B-cell antigen receptor complex of the IgM class. Hombach J, Tsubata T, Leclercq L, Stappert H Reth M (1990). **Nature** 343: 760-762. Reprinted as "Pillar of Research" in *J Immunol* 183, 1505-7 (2009)