

General Information

Name: Prof. Dr. rer. nat. Hassan Jumaa
Date of Birth: 21.12.1965
Gender: Male
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Current Position: Director, Institute of Immunology, Ulm University

University Education

1992-1993 Biology Diploma at the Max Planck Institute for Immunobiology, Mentor:
Prof. Georges Köhler
1986-1991 Study of Biology at the University of Freiburg

Academic Degrees

2013 Full Professor, Ulm University
2010 Apl. Professor, University of Freiburg
2005 Habilitation in Molecular Immunology, University of Freiburg, Mentor:
Prof. Michael Reth
1993-1997 Ph.D. in Biology at the Max Planck Institute for Immunobiology, Mentor:
Prof. Georges Köhler

Professional Experience

2013 Director, Institute of Immunology, Ulm University
2001-2013 Group Leader of Molecular Immunology, Max-Planck-Institute of
Immunobiology and University of Freiburg, Germany
1998-2001 Postdoctoral fellow, University of Freiburg and Max-Planck-Institute for
Immunobiology (Mentor: Michael Reth)

Miscellaneous

Awards / Honors / Positions:

2016 European Research Council ERC Advanced Grant
2004 Georges-Kohler-Award of the German Society of Immunology (DGfI)

Publications

1. Setz C, Khadour A, Renna V, Iype V, Gentner E, He X, Datta M, Young M, Nitschke L, Wienands J, Maity P, Reth M, Jumaa H. Pten controls B cell responsiveness and germinal center reaction by regulating the expression of IgD BCR. **EMBO J**. 2019;38(11).pii:e100249.
2. Iype J, Datta M, Khadour A, Übelhart R, Nicolò A, Rollenske T, Dühren-von Minden M, Wardemann H, Maity PC, Jumaa H. Differences in Self-Recognition between Secreted Antibody and Membrane-Bound B Cell Antigen Receptor. **J Immunol**. 2019;202(5):1417-27.
3. Alsadeq A, Lenk L, Vadakumchery A, Cousins A, Vokuhl C, Khadour A, Vogiatzi F, Seyfried F, Meyer LH, Cario G, Hobeika E, Debatin KM, Halsey C, Schrappe M, Schewe DM, Jumaa H. IL7R is associated with CNS infiltration and relapse in pediatric B-cell precursor acute lymphoblastic leukemia. **Blood**. 2018;132(15):1614-17.
4. Abdelrasoul H, Werner M, Setz CS, Okkenhaug K, Jumaa H. PI3K induces B-cell development and regulates B cell identity. **Sci Rep**. 2018;8(1):1327.
5. Shojaee S, Chan LN, Buchner M, Cazzaniga V, Cosgun KN, Geng H, Qiu YH, von Minden MD, Ernst T, Hochhaus A, Cazzaniga G, Melnick A, Kornblau SM, Graeber TG, Wu H, Jumaa H, Müschen M. PTEN opposes negative selection and enables oncogenic transformation of pre-B cells. **Nat Med**. 2016;22(4):379-87.

6. Xiao G, Chan LN, Klemm L, Braas D, Chen Z, Geng H, Zhang QC, Aghajani-refah A, Cosgun KN, Sadras T, Lee J, Mirzapourzadeh T, Salgia R, Ernst T, Hochhaus A, [Jumaa H](#), Jiang X, Weinstock DM, Graeber TG, Müschen M. B-cell-specific diversion of glucose carbon utilization reveals a unique vulnerability in B cell malignancies. **Cell**. 2018;173(2):470-84.
7. Dolezal E, Infantino S, Drepper F, Börsig T, Singh A, Wossning T, Fiala GJ, Minguet S, Warscheid B, Tarlinton DM, [Jumaa H](#), Medgyesi D, Reth M. The BTG2-PRMT1 module limits pre-B cell expansion by regulating the CDK4-Cyclin-D3 complex. **Nat Immunol**. 2017;18(8):911-20.
8. Übelhart R, Hug H, Bach MP, Wossning T, Dühren-von Minden M, Horn AH, Tsiantoulas D, Kometani K, Kurosaki T, Binder CJ, Sticht H, Nitschke L, Reth M, [Jumaa H](#). The responsiveness of B cells is regulated by the hinge-region of IgD. **Nat Immunol**. 2015;16(5):534-43.
9. Schneider D, Dühren-von Minden M, Alkhatib A, Setz C, van Bergen CA, Benkiser-Petersen M, Wilhelm I, Villringer S, Krysov S, Packham G, Zirlik K, Römer W, Buske C, Stevenson FK, Veelken H, [Jumaa H](#). Lectins from opportunistic bacteria interact with acquired variable-region glycans of surface immunoglobulin in follicular lymphoma. **Blood**. 2015;125(21):3287-96.
10. Dühren-von Minden M, Übelhart R, Schneider D, Wossning T, Surova E, Bach M, Hofman D, Köhler F, Wardemann H, Zirlik K, Veelken H, [Jumaa H](#). Chronic lymphocytic leukemia is driven by antigen-independent cell autonomous signaling. **Nature**. 2012;489(7415):309-12.