

General Information

Name: Prof. Dr. med. Reiner Siebert
Date of Birth: 16.12.1968
Gender: Male
Address: Institute of Human Genetics, Ulm University
Albert-Einstein-Allee 11, 89081 Ulm, Germany
Phone: +49 731 500 65400
E-Mail: reiner.siebert@uni-ulm.de
Current Position: Professor of Human Genetics
Director, Institute of Human Genetics

Academic Education

1989-1996 Medical School, University of Essen, Germany

Academic Degrees

2004 Board Certification as Specialized Human Geneticist ("Facharzt")
2001 Postdoctoral Thesis (Habilitation) in "Human Genetics", Medical Faculty, Christian-Albrechts-University Kiel. Mentor: Prof. W. Grote
1997 Medical Doctorate (M.D.) from the Medical Faculty, University of Essen
Doctoral Thesis, Medicine; Mentor: Prof. J. Schütte

Professional Experience

Since 2016 W3mL Professorship Human Genetics of Ulm University; Director, Institute of Human Genetics, Ulm University and Ulm University Hospital
2011–2016 Part-time employed Physician and Head of the "Fachbereich Humangenetik", MVZ Kiel/Universitäres MVZ Kiel für Spezialdiagnostik und Genetische Medizin of the AZ des UKSH gGmbH
2006–2016 Full Professor (W3) and Chair of Human Genetics, Christian-Albrechts-University Kiel, Germany; Director, Institute of Human Genetics, CAU & UKSH, Campus Kiel
2001–2006 Lecturer Human Genetics, Deputy Director Institute of Human Genetics
2003 Clinical Year, 2nd Medicine Department (Hematology/Oncology), University Hospital Schleswig-Holstein, Campus Kiel
1996–2001 Post-Doc and Physician, Institute of Human Genetics, Kiel

Miscellaneous

2018 Wilhelm-Weber-Preis
2017 John Ulmann Memorial Lecture, 14th International Conference on Malignant Lymphoma, Lugano, Switzerland
2016 – 2018 Deputy Member of the Commission on Genetic Testing (GEKO) based on the Act on Genetic Testing (Gendiagnostikgesetz; GenDG)
Since 2014 Senior Advisor for the WHO in the field of Genetics of Lymphomas for the Update of the WHO Classification of Hematologic Neoplasms
Since 2010 Coordinator of the International Cancer Genome Consortium (ICGC) Project ICGC MMML-Seq (Germinal-center B-cell derived lymphomas)
Since 2006 Elected Member of the International Lymphoma Study Group
Since 2003 Coordinator Working Group "Genetics" of the Network "Molecular Mechanisms in Malignant Lymphomas" funded by Deutsche Krebshilfe
2002 Call on a professorship for "Molecular Oncology", Department of Pediatric Hematology & Oncology, University Hospital Hamburg-Eppendorf, Germany (accepted 2005, but not taken due to call to Kiel)

2002

Award of the Kiel Medical Association

1989-1996

Stipend of the "Studienstiftung des Deutschen Volkes"

Section Editor "Lymphoma" for the Journal "Leukemia", Schriftleitung "Medizinische Genetik", Editorial Board "Genes, Chromosomes, Cancer"

Publications

1. López C, Kleinheinz K, Aukema SM, Rohde M, Bernhart SH, Hübschmann D, Wagener R, Toprak UH, Raimondi F, Kreuz M, Waszak SM, Huang Z, Sieverling L, Paramasivam N, Seufert J, Sungalee S, Russell RB, Bausinger J, Kretzmer H, Ammerpohl O, Bergmann AK, Binder H, Borkhardt A, Brors B, Claviez A, Doose G, Feuerbach L, Haake A, Hansmann ML, Hoell J, Hummel M, Korbel JO, Lawerenz C, Lenze D, Radlwimmer B, Richter J, Rosenstiel P, Rosenwald A, Schilhabel MB, Stein H, Stilgenbauer S, Stadler PF, Szczepanowski M, Weniger MA, Zapatka M, Eils R, Lichter P, Loeffler M, Möller P, Trümper L, Klapper W; ICGC MMML-Seq Consortium, Hoffmann S, Küppers R, Burkhardt B, Schlesner M, Siebert R. Genomic and transcriptomic changes complement each other in the pathogenesis of sporadic Burkitt lymphoma. **Nat Commun.** 2019;29;10(1):1459.
2. Kretzmer H, Bernhart SH, Wang W, Haake A, Weniger MA, Bergmann AK, Betts MJ, Carrillo-de-Santa-Pau E, Doose G, Gutwein J, Richter J, Hovestadt V, Huang B, Rico D, Jühling F, Kolarova J, Lu Q, Otto C, Wagener R, Arnolds J, Burkhardt B, Claviez A, Drexler HG, Eberth S, Eils R, Flicek P, Haas S, Hummel M, Karsch D, Kerstens HHD, Klapper W, Kreuz M, Lawerenz C, Lenze D, Loeffler M, López C, MacLeod RAF, Martens JHA, Kulis M, Martín-Subero JI, Möller P, Nagel I, Picelli S, Vater I, Rohde M, Rosenstiel P, Rosolowski M, Russell RB, Schilhabel M, Schlesner M, Stadler PF, Szczepanowski M, Trümper L, Stunnenberg HG; ICGC MMML-Seq project; BLUEPRINT project, Küppers R, Ammerpohl O, Lichter P, Siebert R, Hoffmann S, Radlwimmer B. DNA methylome analysis in Burkitt and follicular lymphomas identifies differentially methylated regions linked to somatic mutation and transcriptional control. **Nat Genet.** 2015;47(11):1316-25.
3. Salaverria I, Martin-Guerrero I, Wagener R, Kreuz M, Kohler CW, Richter J, Pienkowska-Grela B, Adam P, Burkhardt B, Claviez A, Damm-Welk C, Drexler HG, Hummel M, Jaffe ES, Küppers R, Lefebvre C, Lisfeld J, Löffler M, MacLeod RAF, Nagel I, Oschlies I, Rosolowski M, Russell RB, Rymkiewicz G, Schindler D, Schlesner M, Scholtysik R, Schwaenen C, Spang R, Szczepanowski M, Trümper L, Vater I, Wessendorf S, Klapper W, Siebert R for the "Molecular Mechanisms in Malignant Lymphoma" (MMML) Network Project and Berlin-Frankfurt-Münster (BFM)-NHL group. A recurrent 11q aberration pattern characterizes a subset of MYC-negative high-grade B-cell lymphomas resembling Burkitt lymphoma. **Blood.** 2014;123(8):1187-98.
4. Alexandrov LB, Nik-Zainal S, Wedge DC, Aparicio SA, Behjati S, Biankin AV, Bignell GR, Bolli N, Borg A, Børresen-Dale AL, Boyault S, Burkhardt B, Butler AP, Caldas C, Davies HR, Desmedt C, Eils R, Eyfjörd JE, Foekens JA, Graeves M, Hosoda F, Hutter B, Ilicic T, Imbeaud S, Imielinski M, Jäger N, Jones DTW, Jones D, Knappskog S, Kool M, Lakhani SR, López-Otín C, Martin S, Munshi NC, Nakamura H, Northcott PA, Pajic M, Papaemmanuil E, Paradiso A, Pearson JV, Puente XS, Raine K, Ramakrishna M, Richardson AL, Richter J, Rosenstiel P, Schlesner M, Schumacher TN, Span PN, Teague JW, Totoki Y, Tutt AN, Valdés-Mas R, van Buuren MM, van't Veer L, Vincent-Salomon A, Waddell N, Yates LR; Australian Pancreatic Cancer Genome Initiative; ICGC Breast Cancer Consortium; ICGC MMML-Seq Consortium; ICGC PedBrain, Zucman-Rossi J, Futreal PA, McDermott U, Lichter P, Meyerson M, Grimmond SM, Siebert R, Campo E, Shibata T, Pfister SM, Campbell PJ, Stratton MR. Signatures of mutational processes in human cancer. **Nature.** 2013;500(7463):415-21.
5. Richter J, Schlesner M, Hoffmann S, Kreuz M, Leich E, Burkhardt B, Rosolowski M, Ammerpohl O, Wagener R, Bernhart SH, Lenze D, Szczepanowski M, Paulsen M, Lipinski S, Russell RB, Adam-Klages S, Apic G, Claviez A, Hasenclever D, Hovestadt V, Hornig N, Korbel JO, Kube D, Langenberger D, Lawerenz C, Lisfeld J, Meyer K, Picelli S, Pischmarov J, Radlwimmer B, Rausch T, Rohde M, Schilhabel M, Scholtysik R, Spang R, Trautmann H, Zenz T, Borkhardt A, Drexler HG, Möller P, MacLeod RAF, Pott C, Schreiber S, Trümper L, Loeffler M, Stadler PF, Lichter P, Eils R, Küppers R, Hummel M, Klapper W, Rosenstiel P, Rosenwald A, Brors B, Siebert R; ICGC MMML-Seq Project. Recurrent mutation of the ID3 gene in Burkitt lymphoma identified by integrated genome, exome and transcriptome sequencing. **Nat Genet.** 2012;44(12):1316-20.
6. Salaverria I, Philipp C, Oschlies I, Kohler CW, Kreuz M, Szczepanowski M, Burkhardt B, Trautmann H, Gesk S, Andrusiewicz M, Berger H, Fey M, Harder L, Hasenclever D, Hummel M, Loeffler M,

- Mahn F, Martin-Guerrero I, Pellissery S, Pott C, Pfreundschuh M, Reiter A, Richter J, Rosolowski M, Schwaenen C, Stein H, Trümper L, Wessendorf S, Spang R, Küppers R, Klapper W, Siebert R; Molecular Mechanisms in Malignant Lymphomas Network Project of the Deutsche Krebshilfe; German High-Grade Lymphoma Study Group; Berlin-Frankfurt-Münster-NHL trial group. Translocations activating IRF4 identify a subtype of germinal center-derived B-cell lymphoma affecting predominantly children and young adults. **Blood**. 2011;118(1):139-47.
7. Schneppenheim R, Frühwald MC, Gesk S, Hasselblatt M, Jeibmann A, Kordes U, Kreuz M, Leuschner I, Martín Subero JI, Obser T, Oyen F, Vater I, Siebert R. Germline nonsense mutation and somatic inactivation of SMARCA4/BRG1 in a family with rhabdoid tumor predisposition syndrome. **Am J Hum Genet**. 2010;86(2):279-84.
 8. Martín-Subero JI, Kreuz M, Bibikova M, Bentink S, Ammerpohl O, Wickham-Garcia E, Rosolowski M, Richter J, Lopez-Serra L, Ballestar E, Berger H, Agirre X, Bernd HW, Calvanese V, Cogliatti SB, Drexler HG, Fan JB, Fraga MF, Hansmann ML, Hummel M, Klapper W, Korn B, Küppers R, MacLeod RAF, Möller P, Ott G, Pott C, Prosper F, Rosenwald A, Schwaenen C, Schübeler D, Seifert M, Stürzenhofecker B, Weber M, Wessendorf S, Loeffler M, Trümper L, Stein H, Spang R, Esteller M, Barker D, Hasenclever D, Siebert R; Molecular Mechanisms in Malignant Lymphomas Network Project of the Deutsche Krebshilfe. New insights into the biology and origin of mature aggressive B-cell lymphomas by combined epigenomic, genomic, and transcriptional profiling. **Blood**. 2009;113(11):2488-97.
 9. Hummel M, Bentink S, Berger H, Klapper W, Wessendorf S, Barth TFE, Bernd HW, Cogliatti SB, Dierlamm J, Feller AC, Hansmann ML, Haralambieva E, Harder L, Hasenclever D, Kühn M, Lenze D, Lichter P, Martín-Subero JI, Möller P, Müller-Hermelink HK, Ott G, Parwaresch RM, Pott C, Rosenwald A, Rosolowski M, Schwaenen C, Stürzenhofecker B, Szczepanowski M, Trautmann H, Wacker HH, Spang R, Löffler M, Trümper L, Stein H, Siebert R; Molecular Mechanisms in Malignant Lymphomas Network Project of the Deutsche Krebshilfe. A biologic definition of Burkitt's lymphoma from transcriptional and genomic profiling. **N Engl J Med**. 2006;354(23):2419-30.
 10. McPherson JD, Marra M, Hillier L, Waterston RH, Chinwalla A, Wallis J, Sekhon M, Wylie K, Mardis ER, Wilson RK, Fulton R, Kucaba TA, Wagner-McPherson C, Barbazuk WB, Gregory SG, Humphray SJ, French L, Evans RS, Bethel G, Whittaker A, Holden JL, McCann OT, Dunham A, Soderlund C, Scott CE, Bentley DR, Schuler G, Chen HC, Jang W, Green ED, Idol JR, Maduro VV, Montgomery KT, Lee E, Miller A, Emerling S, Kucherlapati R, Gibbs R, Scherer S, Gorrell JH, Sodergren E, Clerc-Blankenburg K, Tabor P, Naylor S, Garcia D, de Jong PJ, Catanese JJ, Nowak N, Osoegawa K, Qin S, Rowen L, Madan A, Dors M, Hood L, Trask B, Friedman C, Massa H, Cheung VG, Kirsch IR, Reid T, Yonescu R, Weissenbach J, Bruls T, Heilig R, Branscomb E, Olsen A, Doggett N, Cheng JF, Hawkins T, Myers RM, Shang J, Ramirez L, Schmutz J, Velasquez O, Dixon K, Stone NE, Cox DR, Haussler D, Kent WJ, Furey T, Rogic S, Kennedy S, Jones S, Rosenthal A, Wen G, Schilhabel M, Gloeckner G, Nyakatura G, Siebert R, Schlegelberger B, Korenberg J, Chen XN, Fujiyama A, Hattori M, Toyoda A, Yada T, Park HS, Sakaki Y, Shimizu N, Asakawa S, Kawasaki K, Sasaki T, Shintani A, Shimizu A, Shibuya K, Kudoh J, Minoshima S, Ramser J, Seranski P, Hoff C, Poustka A, Reinhardt R, Lehrach H; International Human Genome Mapping Consortium. A physical map of the human genome. **Nature**. 2001;409(6822):934-41.