

## **Bindereif, Albrecht, Prof. Dr.**

Date of Birth 15.07.1956 in Heilbronn

Institute of Biochemistry  
Faculty of Biology and Chemistry  
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Position Professor (C3)  
Children 1 son (1991)

### **1) Academic Education**

1979 - 1984 Graduate studies (Biochemistry Department, UC Berkeley, USA)  
1976 - 1979 Undergraduate studies (Institute of Biochemistry, University of Tübingen)

### **2) Advanced Professional Degrees**

1993 Habilitation in Biochemistry (Free University Berlin, Germany)  
1984 Ph.D. (UC Berkeley, USA)  
1980 M.A. (UC Berkeley, USA)

### **3) Positions Held**

since 1999 Professor of Biochemistry, Justus-Liebig University Giessen  
1996 – 1999 Heisenberg Fellow, Institute of Biochemistry, Humboldt University / Charité, Berlin  
1988 - 1995 Group leader at the Otto-Warburg-Laboratory, Max-Planck-Institute for Molecular Genetics, Berlin, Germany  
1984 - 1988 Postdoctoral fellow (Prof. M.R. Green, Department of Biochemistry and Molecular Biology, Harvard University, Cambridge, USA)

### **4) Other Activities**

#### ***Honors and Awards***

1996 – 1999 Heisenberg Fellowship, Humboldt University / Charité, Berlin

#### ***Other Professional Activities***

since 2018 Speaker of the DFG Graduiertenkolleg GRK 2355/1 *Regulatory networks in the mRNA life cycle: from coding to non-coding RNAs*  
since 2016 Elected Member of DFG Review Board (Fachkollegium) 201, *Basic Research in Biology and Medicine*  
2015 - 2018 Speaker of the LOEWE-Schwerpunkt *Medical RNomics*

#### ***Memberships in Learned Societies***

- German Society for Biochemistry and Molecular Biology
- The RNA Society

**5) Publications - 10 most important out of 101, H-index: 33** (Web of Science, December 2017)

1. Preusser C, Hung LH, Schneider T, Schreiner S, Hardt M, Moebus A, Santoso S, **Bindereif A** (2018). Selective release of circRNAs in platelet-derived extracellular vesicles. **J Extracell Vesicles**, 7:1424473.
2. Schneider T, Hung LH, Schreiner S, Starke S, Eckhof H, Rossbach O, Reich S, Medenbach J, **Bindereif A** (2016). CircRNA-protein complexes: IMP3 protein component defines subfamily of circRNPs. **Sci Rep** 6: 31313.
3. Starke S, Jost I, Rossbach O, Schneider T, Schreiner S, Hung LH, **Bindereif A** (2015). Exon circularization requires canonical splice signals. **Cell Rep** 10: 103-111.
4. Rösel-Hillgärtner TD, Hung LH, Khrameeva E, Le Querrec P, Gelfand MS, **Bindereif A** (2013). A novel intra-U1 snRNP cross-regulation mechanism: alternative splicing switch links U1C and U1-70K expression. **PLoS Genet** 9: e1003856.
5. Preussner M, Schreiner S, Hung LH, Porstner M, Jäck HM, Benes V, Rättsch G, **Bindereif A** (2012). HnRNP L and L-like cooperate in multiple-exon regulation of CD45 alternative splicing. **Nucleic Acids Res** 40: 5666-5678.
6. Rösel TD, Hung LH, Medenbach J, Donde K, Starke S, Benes V, Rättsch G, **Bindereif A** (2011). RNA-Seq analysis in mutant zebrafish reveals role of U1C protein in alternative splicing regulation. **EMBO J** 30: 1965-1976.
7. Palfi Z, Jaé N, Preusser C, Kaminska KH, Bujnicki JM, Lee JH, Günzl A, Kambach C, Urlaub H, **Bindereif A** (2009). SMN-assisted assembly of snRNP-specific Sm cores in trypanosomes. **Genes Dev** 23: 1650-1664.
8. Trede NS, Medenbach J, Damianov A, Hung LH, Weber GJ, Paw BH, Zhou Y, Hersey C, Zapata A, Keefe M, Barut BA, Stuart AB, Katz T, Amemiya CT, Zon LI, **Bindereif A** (2007). Network of coregulated spliceosome components revealed by zebrafish mutant in recycling factor p110. **Proc Natl Acad Sci USA** 104: 6608-6613.
9. Hui J, Hung LH, Heiner M, Schreiner S, Neumüller N, Reither G, Haas SA, **Bindereif A** (2005). Intronic CA-repeat and CA-rich elements: a new class of regulators of mammalian alternative splicing. **EMBO J** 24: 1988-1998.
10. Hui J, Stangl K, Lane WS, **Bindereif A** (2003). HnRNP L stimulates splicing of the eNOS gene by binding to variable-length CA repeats. **Nat Struct Biol** 10: 33-37.

**Patents: ---**