

Curriculum vitae

Benedikt Beckmann

Personal

Name Beckmann
First name Benedikt
Date of Birth September 15th, 1980
Place of Birth Ratingen, Germany
Status married
Children 2

Professional Education & Experience

04/2014–now **Independent Group Leader**, *Humboldt-Universität zu Berlin*, Berlin, Germany.
RNA-Protein Interactions in Bacterial Infection
Molecular Infection Biology Group, IRI Life Sciences (IRI-LS)

2011–2014 **Postdoctoral Fellow**, *EMBL*, Heidelberg, Germany/EU.
Systems Biology: Identification of RNA-protein Networks in Yeast
Group Prof. MW Hentze

2006–2010 **PhD**, *Pharmaceutical Chemistry, Philipps-Universität*, Marburg, Germany.
summa cum laude - The mechanism of pRNA-mediated release of RNA polymerase from
Bacillus subtilis 6S-1 RNA
Group Prof. RK Hartmann

2002–2006 **Studies in Biology (Diploma)**, *Johannes-Gutenberg Universität*, Mainz, Germany.
Majors: Genetics, Biophysics, Biochemistry

2002–2006 **Laboratory Assistant**, *ADM Soya*, Mainz, Germany.
Quality Control

Research Interest

Gene Host-pathogen interactions of *Salmonella* Typhimurium, cell-wide identification of
Expression RNA-binding proteins in microbes & mammalian cells, post-transcriptional regulation of gene expression, high-throughput approaches to study ribonucleoproteins
RNA RNA-protein interactions, non-coding RNA in bacteria, detection of small RNA

Awards

- Fellowship Marie Curie Postdoc Fellowship, 7th framework programme (2012–14)
- Science Phoenix award for outstanding basic research in pharmaceutical technology 2012
Awards (Phoenix Pharmazie Wissenschaftspreis 2012)
- Award for best thesis 2010, Life-Science and Medicine Section (Promotionspreis der Philipps-Universität Marburg 2010)

Scientific Leadership

- PI 7 years experience in setting up & leading a research group at the university, Participation in the Institute Council
- Spokesperson PhD representative at the steering committee of the Graduate School IRTG 1384 "Enzymes and multienzyme-complexes acting on nucleic acids" 2006–2010
- Additional Project Leader Gentechnik (§15 GenTSV), Permission to work with pathogens (§44
Qualifications IfSG), Advanced Project Management, Interview & Recruitment Training, Budgeting Course, EMBO Group Leader Course
- Network Founding member of Berlin-based Netphasol (Network for Pharma Solutions) for SMEs

Teaching

- Teaching Supervision of practical courses, 6 yrs experience of supervising PhD students, research technicians, postdocs & undergraduate students, lecturer in Bachelor and Masters programme at the Humboldt-Universität zu Berlin

5 Selected Publications (*h*-Index: 10)

- Bressin A^o, Figini D^o, Schulte-Sasse R^o, Urdaneta E, **Beckmann BM*** and Mar-sico A*. TriPepSVM - de novo prediction of RNA-binding proteins based on short amino acid motifs. *Nucleic Acids Research* (2019); doi: 10.1093/nar/gkz203
- Urdaneta E, Vieira-Vieira CH, Hick T, Wessels H, Figini D, Moschall R, Meden-bach J, Ohler U, Granneman S, Selbach M and **Beckmann BM***. Purification of Cross-linked RNA-Protein Complexes by Phenol-Toluol Extraction. *Nature Communications* (2019); 10:99
- **Beckmann BM^o**, Horos R^o, Fischer B, Castello A, Eichelbaum K, Alleaume A-M, Schwarzl T, Curk T, Foehr S, Huber W, Krijgsveld J and Hentze MW. The RNA-binding proteomes from yeast to man harbour conserved enigmRBPs. *Nature Communications* (2015); 6:10127
- Castello A, Fischer B, Eichelbaum K, Horos R, **Beckmann BM**, Strein C, Davey NE, Humphreys DT, Preiss T, Steinmetz LM, Krijgsveld J and Hentze MW. Insights into RNA Biology from an Atlas of Mammalian mRNA-Binding Proteins. *Cell* (2012); 149(6):1393-406i
- **Beckmann BM^o**, Hoch PG^o, Marz M, Willkomm, DK, Salas M and Hartmann RK. A pRNA-induced structural arrangement triggers 6S-1 RNA release from RNA polymerase in *Bacillus subtilis*. *EMBO J* (2012); 31(7):1727-38

Invited Speaker (selection)

- Sino-German Symposium on "RNA biology: the ever-changing frontier of life science", Shenzhen (China), November 2019
- GBM Meeting "Molecular Basis of Life", Bochum (Germany), September 2017
- Symposium "Molecular Interactions in Malaria", Berlin (Germany), April 2016
- Symposium "From RNA pools to single RNA molecules", Berlin (Germany), March 2015 (Organiser)
- Gene center and SFB 646 Seminar Series at the Gene Center Munich (Germany), July 2013
- IRTG Symposium 2013 Giessen (Germany), October 2013
- Selection Presentation IRI for Life Sciences Berlin (Germany), November 2013

Funding (selection)

- ERC Marie Curie Postdoctoral Fellowship 2012 for 2 years; incl. consumables No.: ERC FP7-People Project 3101031 (175.000 €)
- BIS Boehringer Ingelheim Stiftung - Perspective Program "Plus 3" 01/2020 - 12/2022 (763,559 €)

Languages

German	Native	
English	Very good	<i>Ongoing experience in reading english literature, giving talks and writing proposals.</i>
French	Beginner	<i>School education for four years.</i>
Chinese	Beginner	<i>Learning since 2019.</i>

Berlin, January 07, 2021



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