

## Research Grants

2017-2019

### German Federal Ministry of Education and Research (BMBF)

Collaborative research alliance MicMode-I2T: „Modular image analysis platform for the integration of microscopic image-based data from biopsies into mathematical models of interactions between immune and target cells“  
Coordinator: Prof. F. Feuerhake

The e:Med research and funding concept: „Paving the Way for Systems Medicine“, networking funds

Subproject 3: „Impact of immune and cancer cell interactions on response and resistance to HER2/EGFR-based targeted therapies in gastric cancer “  
Principle Investigators: **Prof. B. Luber**, Prof. A. Walch, Prof. F. Lordick

Link:

<https://www.sys-med.de/en/networking/spalte-2/networking-fonds/micmode-i2t/>

2017-2019

### German Federal Ministry of Education and Research (BMBF)

Collaborative research alliance SYS-Stomach: „Identification of predictive response and resistance factors to targeted therapy in gastric cancer using a systems medicine approach“  
Second funding period.  
Coordinators: **Prof. B. Luber**, Dr. D. Maier

The e:Med research and funding concept: „Paving the Way for Systems Medicine“

Subproject 1: „Systematic molecular and phenotypical characterization of gastric cancer cell lines“  
Principle Investigator: **Prof. B. Luber**

Link: <https://www.sys-med.de/en/consortia/sys-stomach/>

2014-2017

### German Federal Ministry of Education and Research (BMBF)

Collaborative research alliance SYS-Stomach: „Identification of predictive response and resistance factors to targeted therapy in gastric cancer using a systems medicine approach“  
First funding period.  
Coordinators: **Prof. B. Luber**, Dr. D. Maier

The e:Med research and funding concept: „Paving the Way for Systems Medicine“

Subproject 1: „Systematic molecular and phenotypical characterization of gastric cancer cell lines“  
Principle Investigator: **Prof. B. Luber**

Link: <https://www.sys-med.de/en/consortia/sys-stomach/>

- 2012-2014**                    **ANTON & PETRA EHRMANN-Stiftung**  
„Analyse von E-Cadherin als Biomarker für eine individuelle molekulare  
Krebstherapie“  
Principle Investigator: **Prof. B. Luber**
- 2009-2012**                    **German Federal Ministry of Education and Research (BMBF)**  
**Austrian Federal Ministry of Science and Research (BMWF)**  
Collaborative research alliance CANCERMOTISYS: „Systems biology of drug  
effects on motility of gastric cancer cell lines“  
  
Program “Medical Systems Biology-MedSys”  
Coordinator: Dr. J. Mattes  
  
Subproject 3: „Motility analysis and use of RNA interference for the  
validation of response predictors and potential therapeutic target genes“  
Principle Investigators: **Prof. B. Luber**, Prof. H. Höfler  
  
Link: [https://www.ptj.de/medizinische\\_systembiologie](https://www.ptj.de/medizinische_systembiologie)
- 2008-2010**                    **Deutsche Forschungsgemeinschaft**  
SFB 456 Target Structures for Selective Tumor Interventions  
Subproject A2, "Tumor-associated signalling molecules as molecular targets  
of multi-modal therapies in gastric cancer“  
Principle Investigators: **Prof. B. Luber**, Prof. H. Höfler
- 2005-2007**                    **Deutsche Forschungsgemeinschaft**  
SFB 456 Target Structures for Selective Tumor Interventions  
Subproject A2, "E-cadherin mutations in tumors: influence on cell motility  
and signal transduction"  
Principle Investigators: **Prof. B. Luber**, Prof. H. Höfler
- 2004-2006**                    **German Cancer Aid (Deutsche Krebshilfe)**  
"Bedeutung der Rho GTPasen Rho, Rac und Cdc42 für die Tumorprogression  
und Metastasierung beim diffusen Magenkarzinom“  
Principle Investigator: **Prof. B. Luber**
- 2002-2004**                    **Wilhelm Sander-Stiftung**  
"Molekular- und tumorbiologische Untersuchungen zum Beitrag von E-  
Cadherin-Mutationen zur Apoptose und Zellzyklusregulation beim diffusen  
Magenkarzinom",  
Principle Investigators: **Prof. B. Luber**, Prof. I. Becker

- 2002-2004**                    **Deutsche Forschungsgemeinschaft**  
 SFB 456 Target Structures for Selective Tumor Interventions  
 Subproject A2, " E-cadherin mutations in tumors: influence on cell motility and signal transduction"  
 Principle Investigators: **Prof. B. Luber**, Prof. K.-F. Becker, Prof. H. Höfler
- 2000-2002**                    **Wilhelm Sander-Stiftung**  
 "Molekular- und tumorbiologische Untersuchungen zum Beitrag von E-Cadherin-Mutationen zur Apoptose beim diffusen Magenkarzinom".  
 Principle Investigators: **Prof. B. Luber**, Prof. I. Becker, Prof. K.-F. Becker
- 1999-2001**                    **Deutsche Forschungsgemeinschaft**  
 SFB 456 Target Structures for Selective Tumor Interventions  
 Subproject A2, " E-cadherin mutations in tumors: influence on cell motility and signal transduction"  
 Principle Investigators: Prof. K.-F. Becker, **Prof. B. Luber**, Prof. H. Höfler
- 1998-1999**                    **Deutsche Forschungsgemeinschaft**  
 "Zellbiologische Bedeutung von tumorassoziierten E-Cadherin-Mutationen"  
 Principle Investigators: Prof. K.-F. Becker, **Prof. B. Luber**, Prof. H. Höfler

### Module Temporary Positions for Principle Investigators

- 2012-2015**                    **Deutsche Forschungsgemeinschaft**  
 „The relevance of Her receptor ligands for the trastuzumab and cetuximab resistance in gastric cancer“  
 Principle Investigator: **Dr. J. Kneißl**

### Scholarships

- 2005-2008**                    **Foundation for Science and Technology, Portugal**  
 Doctorate Scholarship  
 "Identification of the molecular mechanisms linking E-cadherin mutations and cell motility"  
 Principle Investigator: **A. R. Mateus**  
 Cooperation Partner: Prof. R. Seruca, Porto, Portugal
- 2004-2005**                    **EU, Marie Curie**  
 Doctorate Scholarship  
 "Identification of the molecular mechanisms linking E-cadherin mutations and cell motility"  
 Principle Investigator: **A. R. Mateus**  
 Cooperation Partner: Prof. R. Seruca, Porto, Portugal

**2004-2005**

**Technische Universität München**

Post-Doctorate Scholarship

TU-Frauenförderung HWP II

“Rolle der pro-apoptischen BH3-only Proteine Bad und Bid bei der epithelialen Zell-Zell-vermittelten Apoptose Regulation in vitro”

Applicant: **Dr. M. Fuchs**