



## **Education**

### **College/University:**

1999-2004 Johann Wolfgang Goethe University of Frankfurt

### **Highest degree:**

Diploma of Biochemistry

### **Major Subjects:**

Biochemistry, Biophysical Chemistry

### **Projects/Research:**

1. Mouse models for neurotrophin receptor- induced leukemia
2. Functional analysis of deregulated neurotrophin receptor activation in leukemia
3. Validation of potential therapeutic approaches to treat neurotrophin- induced leukemia

### **Scholarships:**

PhD stipendship of the German Jose Carreras Leukemia Foundation (Deutsche Jose Carreras Leukämie- Stiftung)

### **Scientific Interests and Goals:**

My scientific focus is leukemia. We try to understand the basic mechanisms that lead to leukemogenesis through oncogenic deregulation of neurotrophin receptors. The goal is to utilize mouse models for the discovery of new therapeutic approaches to treat human neurotrophin- related leukemia.

### **Hobbies and other interests:**

The Bible, Music(guitar), Aikido, english language, sports

### **Publications:**

Meyer J, **Rhein M**, Schiedlmeier B, Kustikova O, et al. Remarkable leukemogenic potency and quality of a constitutively active neurotrophin receptor, deltaTrkA. *Leukemia*. 2007; 21(10):2171-80.

Li Z, Kustikova OS, Kamino K, Neumann T, **Rhein M**, et al. Insertional mutagenesis by replication-deficient retroviral vectors encoding the large T oncogene. *Ann N Y Acad Sci*. 2007 Jun;1106:95-113.

Kramer W, Girbig F, Corsiero D, Pfenninger A, Frick W, Jähne G, **Rhein M**, et al. Aminopeptidase N (CD13) is a molecular target of the cholesterol absorption inhibitor ezetimibe in the enterocyte brush border membrane. *J Biol Chem* 2005;280(2):1306-20

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**Germany**

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**Prof. Dr. C. Baum**

**Dr. Z. Li**

**Experimental Hematology**