

## Tamás Röszer, PD, PhD



### **Education**

Medical Biology, University of Debrecen, Hungary; PhD in Neurobiology, University of Debrecen, Hungary; Habilitation in Biochemistry and Physiology, Eötvös Loránd University, Budapest, Hungary and Ulm University, Germany

### **Professional experience**

Senior Clinical Research Scientist, Department of Pediatrics, Faculty of Medicine, University of Debrecen, Hungary (2022-present); Guest Researcher, University Hospital, Ulm University, Germany (2022-present); Research Group Leader and Lecturer, Ulm University, Germany (2014-2022), Interim Professor in Molecular Endocrinology and Biochemistry (2014-2015), Ulm University, Germany; Postdoctoral Researcher II, Department of Cardiovascular Development and Repair, Spanish National Cardiovascular Research Center (CNIC), Madrid, Spain (2009-2014); Research Fellow, Hungarian Academy of Sciences and Department of Biochemistry and Molecular Biology, Faculty of Medicine, Debrecen University, Debrecen, Hungary (2006-2009), Assistant Professor, Department of Animal Anatomy and Physiology, Faculty of Science, Debrecen University, Hungary (2002-2006)

### **Professional activities**

More than two decades of experience in university education and mentoring of physicians and biomedical researchers. Membership in editorial boards, including *JLB* and *SLB* Publication Committee.

### **Research interests**

My chief research interest is immunometabolism, and the innate immune signaling which sustains healthy metabolism and ensures metabolic adaptation to infection. My laboratory is interested in the metabolic roles of the innate immune system, macrophage development and activation, and the immune component of pandemic metabolic diseases, such as obesity, metabolic syndrome, insulin resistance and diabetes. We study nutritional signals, neuroendocrine mediators, and microbe-derived molecular patterns affect gene transcription in immune cells and support the healthy metabolic development in infancy. My research aim is to exploit these mechanisms to treat immune-metabolic diseases such as obesity, autoimmunity and diabetes.

### **Statement of interest**

In *JLB* and at *SLB* meetings I would like to advance the better understanding of the metabolic functions of immune cells and the health impact of immune cell – somatic cell interactions in form of plenary lectures, invited articles and workshops. I would like to promote that *SLB* helps clinicians to formulate protocols and recommendations in the diagnosis, prevention and treatment of diseases associated with dysregulated immune cell – somatic cell interactions.