



We are looking for an outstanding

## **Senior Postdoctoral Scientist/Deputy Group Leader (Immunology)**

to join the research group of Assoc. Prof. Dr. Kaan Boztug at the Ludwig Boltzmann Institute for Rare and Undiagnosed Diseases (LBI-RUD) in Vienna, Austria. Together with the Lab Head and Director of LBI-RUD, Kaan Boztug, you will be leading defined projects focusing on deciphering the molecular basis of human immune dysregulation, and contribute to coordination and advancement of the group's research projects. The successful candidate will work within the framework of the newly ERC-funded "iDysChart" project.

### **iDysChart – Charting key molecules and mechanisms of human immune Dysregulation**

Failure/disorders of the immune system to protect itself can result in autoimmunity and autoinflammation as observed in many human diseases. This interesting project aims at i) identifying novel monogenic causes of autoimmune/autoinflammatory diseases, enabling elucidation of fundamental mechanisms, ii) creating a network-level understanding of molecular pathways of immune dysregulation and iii) employing chemical and genetic screens to complement human disease gene discovery in predicting the core human immune dysregulome and investigating potential avenues for therapeutic modulation.

Previous projects of our working group have already led to the identification of novel disease-causing genes in patients with autoimmune disorders (van Rijn et al., *Gastroenterology* 2018; Ozen et al., *NEJM* 2017; Salzer et al., *Nat Immunol* 2016; Dobbs et al., *NEJM* 2015).

**The iDysChart project will particularly focus on deciphering key principles of human autoimmunity and autoinflammation by studying model diseases including very early-onset IBD, monogenic autoimmune disorders, such as systemic lupus erythematoses (SLE), and systemic autoinflammatory disorders.**

### **The research group/institute**

Assoc. Prof. Dr. Kaan Boztug is a leading immunologist and rare diseases researcher and director of the Ludwig Boltzmann Institute for Rare and Undiagnosed Diseases (LBI-RUD). Recently, he received a prestigious ERC Consolidator Grant with a project duration of five years to decode disorders of the human immune regulation.

Our research focuses on the identification of rare monogenic disorders of the immune system and hematopoiesis to explain pathophysiological manifestations in humans. In the context of this work, we apply a combination of state-of-the-art genetic and genomic technologies including next generation sequencing, and a wide range of cellular and molecular techniques to elucidate novel pathways important for immune system homeostasis.

The group works in a fully equipped molecular biology laboratory in a shared environment with cell culture, multi-color flow cytometry, as well as all equipment needed for state-of-the-art genomic investigations such as SNP arrays and deep sequencing, which are immediately accessible in-house.

The **Ludwig Boltzmann Institute for Rare and Undiagnosed Diseases (LBI-RUD)** is currently situated in the CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences with state-of-the-art

laboratories and technology platforms, and is strategically located next to one of the world's largest university hospitals in the heart of the city. The institute is deeply integrated with its renowned partner institutions, namely the CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences, the Medical University of Vienna, and the Children's Cancer Research Institute of the St. Anna Children's Hospital, and, therefore perfectly situated to benefit from strong translational research long established by leading-edge research groups. The success of the institute is also reflected by the fact that, as of now, half of its Principal Investigators have been awarded an ERC Grant.

### **Requirements and Qualifications**

You have experience in directing and supervising research staff (postdoc level), are exceptionally well organized, efficient and have excellent oral and written communication skills in English (knowledge of German is a plus). You are a proactive and independent scientist with a strong scientific track record in Immunology or a similar field obtained through postdoctoral training, as evidenced by scientific publications in high impact factor journals. In addition, you have an excellent work ethic and outstanding interpersonal skills. You are able to connect different scientific disciplines, and have a keen affection to and experience in scientific project management.

### **Why you want to join our team:**

You want to pursue meaningful research at the highest level in an inspiring and international working environment.

You want to be part of the next generation of scientists who shape the future of medicine and value our numerous possibilities for personal and professional growth.

You appreciate our young and dynamic working atmosphere and the possibility to join our cultural, social and sports activities.

You appreciate the help and assistance we offer to all our employees, their spouses and family members in terms of visa and relocation procedures, dual-career and childcare services, and others.

### **Why we want you to join our team:**

You are a proactive and independent thinker with a strong background in Immunology or a related field.

You are enthusiastic and passionate about science.

You are motivated to find innovative, creative and free-spirited solutions to open research questions.

You love to communicate, to collaborate, to connect different scientific disciplines and to contribute to multidisciplinary and multicultural teams.

### **Application Details**

Applications should be in English and should contain the following information: cover letter, CV, publication and – if applicable – funding track record, and names and contact details of three referees. Please summarize in one paragraph (max ½ page) what you believe is your single greatest research or technical development achievement to date and why.

Please submit your application in a single PDF file to: [application@rud.lbg.ac.at](mailto:application@rud.lbg.ac.at) using the reference code **#DGL/KB19** in the header.

### **Application Deadline**

31<sup>th</sup> of January 2019 (call will remain open until the position is filled)

You should have an exceptionally high level of energy and drive, an excellent work ethic and very good communication skills. Salary and conditions are commensurate with experience according to FWF salary schemes (<http://www.fwf.ac.at/en/research-funding/personnel-costs>)

For more information, please visit the LBI-RUD website: [www.rare-diseases.at](http://www.rare-diseases.at)

### **Commitment to Diversity**

We believe that diversity and a multicultural work environment are clear advantages for successful research and are therefore committed to attract, develop, and advance the most talented individuals regardless of their gender, race, sexual orientation, religion, age, disability status or any other dimension of diversity. We are happy to provide help and assistance to all our employees, their spouses and family members in terms of visa and relocation procedures, dual-career and childcare services, and others.