At the **Center for Regenerative Therapies Dresden (CRTD)**, an institute of the Center for Molecular and Cellular Bioengineering (CMCB), the **chair of Molecular and Cellular Immunology - focus Immunoregulation** (Prof. Dr. Karsten Kretschmer) is looking for a highly motivated and talented

**Research Associate / Postdoc** (m/f/x)
(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

The position is, subject to the availability of resources, starting **October 1, 2022**. We offer a position with 65% of the fulltime weekly hours with the possibility of extending to 100% (subject to the availability of resources) for initially 2 years with the possibility of extension. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG).

The research interests of our chair focus on molecular and cellular pathways that govern the generation, lifestyle and function of Foxp3+ regulatory T (Treg) cells (webpage: https://tu-dresden.de/cmcb/crtd/forschungsgruppen/crtd-forschungsgruppen/kretschmer). Treg cells play an essential role in maintaining immune homeostasis, which is exemplified by the observation that acute Treg cell ablation in a NOD mouse model of human type 1 diabetes unleashes overt autoimmune diabetes within days (Petzold et al., J Diabetes Res 2013; Mayer et al., Immun Inflamm Dis. 2014; Watts et al., Front Immunol. 2021). Conversely, Treg cells represent exciting gain-of-function targets in clinical settings of unwanted immune responses, such as autoimmune diseases.

**Tasks:** The research position we offer is part of a project in which we aim to investigate the molecular and epigenetic mechanisms underlying the development and maintenance of Foxp3+ Treg cell sublineages of thymic and peripheral developmental origin (Schallenberg et al. E Exp Med. 2010; Petzold et al. Eur J Immunol. 2014.) In this context, a particular focus is placed on exploring the possibility that different developmental Treg cell subsets exert specialized effector functions in the control of organ-specific autoimmune disease, metabolic homeostasis, and tissue regeneration. The position will give you an excellent chance for further academic study and research.

**Requirements:** We aim at attracting the best talent in the respective research fields and expect the following: an outstanding university degree and – if applicable - PhD degree in Biology, Science or related field of science; experience in T cell immunology, multicolor flow cytometry, Cre/loxP system in mice, autoimmune mouse models, epigenetics and transcriptomics; ability to work in an international team is essential; inter- and multidisciplinary thinking; high motivation; an integrative and cooperative personality with excellent communication and social skills; fluency in English – written and oral.

Applications from women are particularly welcome. The same applies to people with disabilities.

**Application Procedure:**
Your application **as one single pdf document** should include:
1. Cover letter, indicating current and future research interests and career goals;
2. Description of research experience and accomplishments, including summary of previous research done during your master or PhD thesis (max. 2 pages);
3. List of publications, if applicable;
3. CV, including copies of degree certificates and transcript of grades (i.e. the official list of coursework including your grades);
4. Two letters of recommendation or contact information for two references, including current supervisor.

Please submit your comprehensive application by **August 1, 2022** (stamped arrival date applies) preferably via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a

single pdf-document (using “surname_firstname.pdf”) to **silvia.palme@tu-dresden.de** or by mail to: **TU Dresden, CRTD, Professur für Molekuläre und Zelluläre Immunologie - Schwerpunkt Immunregulation, z. Hd. Frau Silvia Palme, Fetscherstr. 105, 01307 Dresden**. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

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**Reference to data protection**: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tudresden.de/karriere/datenschutzhinweis.