Judith Radloff, PhD

Judith Radloff studied veterinary medicine at the Freie Universität in Berlin and received her PhD in biomedical sciences in 2018. Her thesis focused on the functional and molecular analysis of the gastrointestinal epithelial barrier in mice, pigs and rats. Judith Radloff has been working at the Institute of Physiology, Pathophysiology and Experimental Endocrinology since 2018.

Research Interests

- Renal pathophysiology
- FGF23 and chronic kidney disease
- Gastrointestinal epithelial physiology
- Translational physiology

Teaching

- Degree: Veterinary medicine
    - Practical training in physiology
- Degree: Biomedical sciences
    - Lectures: Physiology
- Supervision of Diploma and Bachelor students
- Supervision of trainees
- 2020: Nomination for the Vetucation Award

Awards and Scholarships

- Award for Young Scientists by the Gesellschaft der Freunde und Förderer der Veterinärmedizin an der Freien Universität e.V. and the Wirtschaftsgenossenschaft deutscher Tierärzte
- Scholarship by the H. W. Schaumann Stiftung

Publikationen (Auswahl)

Monographien

- Radloff J (2018). Molecular and functional analysis of the porcine and murine small intestinal tight junction. Doctoral Dissertation, Freie Universität, Berlin 2018

Peer-review Publikationen

- Radloff J, Cornelius V, Markov AG, Amasheh S (2019). Caprate Modulates Intestinal Barrier Function in Porcine Peyer's Patch Follicle-Associated Epithelium. Int J Mol Sci 20:1418
- Radloff J, Falchuk EL, Markov AG, Amasheh S (2017). Molecular Characterization of Barrier Properties in Follicle-Associated Epithelium of Porcine Peyer's Patches reveals Major Sealing Function of Claudin-4. Front Physiol 8:579
- Radloff J, Zakrzewski SS, Pieper R, Markov AG, Amasheh S (2017). Porcine milk induces a strengthening of barrier function in porcine jejunal epithelium in vitro. Ann N Y Acad Sci 1397:110-118
- Lodemann U, Amasheh S, Radloff J, Kern M, Bethe A, Wieler LH, Pieper R, Zentek J, Aschenbach JR (2017). Effects of ex vivo infection with ETEC on jejunal barrier properties and cytokine expression in probiotic-supplemented pigs. Dig Dis Sci 62:922-933

Tagungsbeiträge

- Radloff J, Latic N, Pfeiffenberger U, Bergow C, Erben RG (2020). Progression of chronic kidney disease in an experimental 5/6-nephrectomy model in C57Bl/6 mice. DVG Fachgruppentagung Physiologie und Biochemie Leipzig – 18.03.-20.03.2020
- Radloff J, Latic N, Murali S, Pfeiffenberger U, Bergow C, Schüler C, Zeitz U Erben RG (2020). FGF23 drives NKCC2 activation. DVG Fachgruppentagung Physiologie und Biochemie Leipzig – 18.03.-20.03.2020
- Radloff J, Pagitz M, Andrukhova O, Oberbauer R, Burgener IA, Erben RG. (2020). Aldosterone is positively associated with circulating FGF23 levels in chronic kidney disease across four species, but does not drive FGF23 secretion directly. Annual Meeting of the American-Society-for-Bone-and Mineral Research, held online due to COVID-19, SEP 11-15, 2020. J Bone Miner Res
- Radloff J, Latic N, Pfeiffenberger U, Bergow C, Erben RG (2020). The effects of a phosphate-enriched diet on the progression of chronic kidney disease in an experimental 5/6-nephrectomy model in C57Bl/6 mice. Annual Meeting of the American-Society-for-Bone-and Mineral Research, held online due to COVID-19, SEP 11-15, 2020. J Bone Miner Res
- Andrukhova O, Latic N, Radloff J, Slavic S, Endler L, Murali S, Bayer J, Zeitz U, Pfeiffenberger U, Tangermann S, Lagger S, Wilflingseder J, Kenner L, Strobl B, Erben RG, Kornauth C, Oberbauer R, Alessi D. (2019). FGF23 promotes disease progression in 5/6-nephrectomized mice by WNK and proinflammatory signaling. Annual Meeting of the American-Society-for-Bone-and Mineral Research, Orlando, FL, United States (USA), SEP 20-23, 2019. J Bone Miner Res (34), S1 57-58