1. General information

Name: Krasteva-Christ, Gabriela, Univ.-Prof. Dr.
05.06.1977, female
Affiliation: Institute of Anatomy and Cell Biology,
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Saarland University,
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Position: Professor (W3) and Head of Department

Parental leave: 10/2012-10/2013

2. University education

1997-2003 Study of Veterinary Medicine at the Thrakian University, Stara Zagora, Bulgaria and Justus-Liebig-University Giessen
VMD, grade: very good

3. Stages of academic/professional career

Advanced academic qualifications

Habilitation: Anatomy and Cell Biology (2012), Justus-Liebig-University (JLU) Giessen, mentor: Prof. Dr. Wolfgang Kummer

Doctorate: Dr. med. vet. (2007), Graduate College 534 „Biological Basis of Vascular Medicine", Justus-Liebig-University (JLU) Giessen, supervisor: Prof. Dr. Wolfgang Kummer, grade: *summa cum laude*

Professional career

2016 – present Full Professor and Chair of the Department for Anatomy (W3), Institute for Anatomy and Cell Biology, Saarland University Homburg
2014-2016 Full Professor (W2), Institute of Anatomy and Cell Biology, Julius-Maximilians-University, Wuerzburg
2006-2014 Teaching and Research Fellow, Institute of Anatomy and Cell Biology, JLU, Giessen
2007-2009 Postdoctoral Fellow, Excellence Cluster Cardio-Pulmonary System, JLU Giessen
2010, -11, -14 Visiting scientist, Johns Hopkins Asthma and Allergy Center, Baltimore, U S A, Fellowships of the Von Behring-Röntgen-Stiftung and of the Medical Faculty of the JLU Giessen

4. Activities in the Research System

2015-2018 Faculty Member of the DFG "Nachwuchsakademie Antibiotikaresistenz bei Urogenitalen Infektionen" (NAUGI)
2015-2017 Member of the Research Center for Infectious Diseases (ZINF), Wuerzburg
2013-2016 Member of the German Center for Lung Research (DZL)

5. Academic Distinctions

2019 Teaching Award of the Medical Faculty, Saarland University
2014 von Behring-Röntgen Foundation Award for Excellent Achievements in Medicine
2012 Wolfgang Bargmann Award of the Anatomical Society
2011 Best Oral Presentation, Groningen, the Netherlands
2011 Polak Young Investigator Award of the Association for Chemoreception Sciences (AChemS), St. Pete Beach, U S A
2008 MEDIS-Poster Award, Annual Meeting of the Anatomical Society in Wuerzburg, Germany
2007 Best Doctoral Thesis Award, JLU Giessen

6. Scientific Results

1. Hollenhorst MI*, Nandigama R*, Evers SB*, Gamayun I, Abdel Wadood N, Salah A, Pieper M, Wyatt A, Stukalov A, Gebhardt A, Nadolni W, Burow W, Herr C, Beisswenger C, Kusumakshi S, Ectors F, Kichko TI, Hübner L, Reeh P, Munder A, Wienhold SM, Witzenrath M, Bals R, Flockerzi V, Gudermann T, Bischoff M, Lipp P, Zierler S, Chubanov V, Pichlmair A, König P, Boehm U, Krasteva-Christ G (2022). Bitter taste signaling in tra-cheal epithelial brush cells elicits innate immune responses to bacterial infection. J Clin In-vest. 132(13):e150951. *equal contribution.
2. Gettings SM*, Maxeiner S*, Tzika M, Cobain MRD, Ruf I, Benseler F, Brose N, Krasteva-Christ G, Vande Velde G, Schönberger M, Althaus M (2021). Two Functional Epithelial So-dium Channel Isoforms Are Present in Rodents despite Pronounced Evolutionary Pseudogenization and Exon Fusion. Mol Biol Evol. 38(12):5704-5725. *equal contribution.
3. Kumar P, Scholze P, Fronius M, Krasteva-Christ G*, Hollenhorst MI* (2020). Nicotine stimulates ion transport via metabotropic β4 subunit containing nicotinic acetylcholine recep-tors. Br J Pharmacol 177(24):5595-5608. *equal contribution.
4. Hollenhorst MI*, Jurastow I*, Nandigama R*, Appenzeller S, Lei L, Vogel J, Wiederhold S, Althaus M, Empting M, Altmüller J, Hirsch AKH, Flockerzi V, Canning B, Saliba A-E, Krasteva-Christ G (2020). Tracheal brush cells release acetylcholine in response to bitter tastants for paracrine and autocrine signaling. FASEB J 34, 316–332. *equal contribution.
5. Shah DS, Nisr RB, Stretton C, Krasteva-Christ G, Hundal HS (2020). Caveolin-3 deficiency associated with the dystrophy P104L mutation impairs skeletal muscle mitochondrial form and function. J Cachexia Sarcopenia Muscle 11(3):838-858.
6. Nassenstein C, Krasteva-Christ G, Renz H (2018). New aspects of neuroinflammation and neuroimmune crosstalk in the airways. J Allergy Clin Immunol 142(5), 1415-1422.
7. Deckmann K*, Filipski K*, Krasteva-Christ G, Fronius M, Althaus M, Rafiq A, Papadakis T, Renno L, Jurastow I, Wessels L, Wolff M, Schütz B, Weihe E, Chubanov V, Gudermann T, Klein J, Bschleipfer T*, Kummer W* (2014). Bitter triggers acetylcholine release from polymodal urethral chemosensory cells and bladder reflexes. Proc Natl Acad Sci U S A 111, 8287-8292. *equal contribution.
8. Krasteva G, Canning BJ, Papadakis T, Kummer W (2012). Cholinergic brush cells in the trachea mediate respiratory responses to quorum sensing molecules. Life Sci 91, 992-996.
9. Krasteva G, Canning BJ, Hartmann P, Veres T, Papadakis T, Mühlfeld C, Schliecker K, Tallini Y, Braun A, Hackstein H, Baal N, Weihe E, Schütz B, Kotlikoff M, Ibanez-Tallon I, Kummer W (2011). Cholinergic chemosensory cells in the trachea regulate breathing. Proc Natl Acad Sci U S A 108, 9478-9483.
10. Schlenz H, Kummer W, Jositsch G, Wess J, Krasteva G (2010). Muscarinic receptor-mediated bronchoconstriction is coupled to caveolae in murine airways. Am J Physiol Lung Cell Mol Physiol 298, L626-L636.

7. Funding (past 5 years)

DFG KR 4338/1-2, 06/2021-05/2024

TALENTS Saarland University and Marie Skłodowska-Curie COFUND of the EU (Co-PI Empting), 11/2023-10/2027

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TANDEM HIPS – UdS/UKS (Co-PI Hirsch/Empting, 1/2020-12/2022)

SFB/TRR 152 Project P22, 07/2018-06/2026

DFG KR 4338/1-1, 02/2013-08/2018