
General information

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*17.09.1983 in Mönchengladbach, female

University Hospital Bonn
Klinik und Poliklinik für Anästhesie und operative Intensivmedizin
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Current position:

Anesthesiologist Department of Anesthesiology, Intensive Care Medicine, Emergency Medicine, Pain Therapy, University Hospital Bonn

Married

University training and degree

2003 - 2010 Medical school at the Rheinische Friedrich-Wilhelms-Universität Bonn, Germany
2010 Licensure for Clinical Medicine

Advanced academic qualifications

2011 Doctorate: Dr. med., Grade: *magna cum laude*, Universität Bonn, Germany "The influence of TNF- α on the function and migration of neutrophils in a murine model of urinary tract infection"; equivalent to a PhD

Postgraduate professional career

2019 – present Co-PI Project A01 TRR259 "Aortic Disease"
2010 - present Residency and Clinical Fellowship for Anesthesiology, University Hospital Bonn (Prof. A. Hoeft)
2018 Specialization Intensive Care medicine, Board certification
2017 Board certification Anesthesiology
2016 Certificate Emergency Medicine
2012 - 2016 Stipendiary of the Else Kröner-Forschungskolleg Bonn „Angeborene Immunität und chronische Organdysfunktion“
2015 - 2017 Bonfor Junior Research Group leader: Coordination of the cardiac immune response in the development of left ventricular hypertrophy

Other

Honors and awards

2016 DGAI Forschungsstipendium der Fresenius Stiftung
2015 Junior chair, Session Inflammation, DAC Düsseldorf
2012 - 2014 Mentee of the Wissenschaftliche Arbeitskreis Wissenschaftlicher Nachwuchs (WAKWiN) der Deutschen Gesellschaft für Anästhesiologie und Intensivmedizin
2012 Best poster in basic science HAI, Berlin

Membership and professional functions

2010 – present German Society for Anesthesiology and Intensive care medicine (DGAI) WAKWiN member
2022 – present Elected member of the HET (House of Experimental Therapy) commission
2016 – 2022 Elected member of the Faculty Council, University of Bonn

2014 – present
Bonn

Elected member of the Bonfor Research Committee, University of

Publications

1. Muenster S, Zschoernack V, Dierig B, Frede S, Baumgarten G, Coburn M, Putensen C, **Weisheit CK**. Vancomycin and daptomycin modulate the innate immune response in a murine model of LPS-induced sepsis. *Int J Immunopathol Pharmacol*. Jan-Dec 2021;35:20587384211031373. doi: 10.1177/20587384211031373.
2. **Weisheit CK**, Kleiner JL, Rodrigo MB, Niepmann ST, Zimmer S, Dürr GD, Coburn M, Kurts C, Frede S, Eichhorn L. CX3CR1 is a prerequisite for the development of cardiac hypertrophy and left ventricular dysfunction in mice upon transverse aortic constriction. *PLoS One*. 2021 Jan 07; 16(1): e0243788 <https://doi.org/10.1371/journal.pone.0243788>.
1. **Weisheit CK**, Klüners A, Wild L, Casalter A, Heilmann-Heimbach S, Sivalingam S, Kleiner JL, Ehrentraut S, Hoeft A, Frede S, Ehrentraut H. Sustained immunoparalysis in endotoxin-tolerized monocytic cells. *Mediators Inflamm*. 2020 Jun 13;2020:8294342. doi: 10.1155/2020/8294342.
2. Graefe C, Eichhorn L, Wurst P, Kleiner J, Heine A, Panetas I, Abdulla Z, Hoeft A, Frede S, Kurts C, Endl E, **Weisheit CK**. Optimized Ki-67 staining in murine cells: a tool to determine cell proliferation. *Mol Biol Rep*. 2019 Aug;46(4):4631-4643. doi: 10.1007/s11033-019-04851-2. (IF: 1,9)
3. Jobin K, Stumpf NE, Schwab S, Eichler M, Neubert P, Rauh M, Adamowski M, Babyak O, Hinze D, Sivalingam S, **Weisheit CK**, Hochheiser K, Schmidt S, Meissner M, Garbi N, Abdullah Z, Wenzel U, Hölzel M, Jantsch J, Kurts C. A high-salt diet compromises the neutrophil response against bacterial infections through hormonal perturbations. *Science Translat Med*, in press, Epub 2020, Mar 25 (IF: 17,16)
4. Ehrentraut H*, **Weisheit C***, Scheck M1, Frede S1, Hilbert T: Experimental murine acute lung injury induces increase of pulmonary TIE2-expressing macrophages. *J Inflamm (Lond)*. 2018 Jun 14; 15:12.*equally contributing
5. Eichhorn L*, Christina **Weisheit C***, Gestrich C, Peuker K, Duerr DG, Ayub MA, Erdfelder F, Stöckigt F: A Closed-Chest Model to Induce Transverse Aortic Constriction in Mice. *J Vis Exp*. 2018 Apr 5;(134). *equally contributing
6. **Weisheit CK**, Engel DR, Kurts C. Dendritic Cells and Macrophages: Sentinels in the Kidney. *Clin J Am Soc Nephrol*. 2015 Jan 7. pii: CJN.07100714.
7. **Weisheit C**, Zhang Y, Faron A, K öpke O, Weisheit G, Steinsträsser A, Frede S, Meyer R, Boehm O, Hoeft A, Kurts C, Baumgarten G. Ly6C(low) and not Ly6C(high) macrophages accumulate first in the heart in a model of murine pressure-overload. *PLoS One*. 2014 Nov 21;9(11):e112710.
8. Schiwon M*, **Weisheit C***, Franken L, Gutweiler S, Dixit A, Meyer-Schwesinger C, Pohl JM, Maurice NJ, Thiebes S, Lorenz K, Quast T, Fuhrmann M, Baumgarten G, Lohse MJ, Opendakker G, Bernhagen J, Bucala R, Panzer U, Kolanus W, Gröne HJ, Garbi N, Kastenmüller W, Knolle PA, Kurts C*, Engel DR*. Crosstalk between sentinel and helper macrophages permits neutrophil migration into infected uroepithelium *these authors contributed equally to this work. *Cell*. 2014 Jan 30;156(3):456-68.
9. Duerr GD, Heinemann JC, Kley J, Eichhorn L, Frede S, **Weisheit C**, Wehner S, Bindila L, Lutz B, Zimmer A, Dewald O. Myocardial maladaptation to pressure overload in CB2 receptor-deficient mice. *J Mol Cell Cardiol*. 2019 Aug;133:86-98. doi: 10.1016/j.yjmcc.2019.06.003.
10. Hilbert T, Steinhagen F, **Weisheit C**, Baumgarten G, Hoeft A, Klaschik S Synergistic Stimulation with Different TLR7 Ligands Modulates Gene Expression Patterns in the Human Plasmacytoid Dendritic Cell Line CAL-1. *Mediators Inflamm*. 2015;2015:948540. doi: 10.1155/2015/948540.