

Curriculum Vitae

Maja Funk Dr. rer. nat
d.o.b. April 05th, 1988, in Sinsheim, Germany

University Education

2015 Doctorate in Biology (Dr. rer. nat), University of Freiburg
2009-2012 Studies of Biology (B.Sc.) and Molecular Biology (M.Sc.), Heidelberg University

Scientific Career

Since 2024 Head DZL Young Investigator Group, Helmholtz Munich, CPC-M, Germany
2018-2024 Postdoc at the German Cancer Research Center (DKFZ) in Heidelberg, Germany

Awards and Honors

2022 Training Grant (Single-cell regulatory networks in development and disease)
2022 Best Talk Prize, Annual Meeting German Society for Aging Research
2021 Young Marsilius Fellowship by Heidelberg University
2019 FEBS Youth Travel Grant
2015 Outstanding Presentation Prize, Mouse Molecular Genetics 2015, Cambridge, UK
2015 Travel Award, German and French Societies of Developmental Biologists
2013 Boehringer Ingelheim Travel Grant
2013 3-year PhD stipend, Spemann Graduate School of Biology & Medicine (SGBM), Freiburg

Citation Record

Total citations: 900; *h-index*:7; *h-index since 2021*: 7 (Google Scholar March 11th, 2026)

Top-10 selected Publications

Vonficht D, Jopp-Saile L, Yousefian S, Flore V, Vesperinas S, Teuber R, Avanesyan B, Luo Y, Grünschläger F, Fernandez-Vaquero M, Fregona V...**Funk MC**...Krönke J, Keller U, Trumpp A, Hegazy AN, Eckert C, Hübschmann D, Haas S. Ultra-high scale cytometry-based cellular interaction mapping. *Nature Methods*, [10.1038/s41592-025-02744-w](https://doi.org/10.1038/s41592-025-02744-w)

Funk MC, Nawroth J & Lehmann M (2024) A breath of the future: a novel human model for COPD and beyond. *Eur Respir J* [10.1183/13993003.01531-2024](https://doi.org/10.1183/13993003.01531-2024)

Campbell C, **Funk MC**, Hattori Y, Hu W, Jeschke J, Lau CM, Sheng Ling G, Liu S, Llorens-Rico V, Nemes E (2024) Women in STEM becoming independent: The journey to independence is an immensely gratifying odyssey. *J Exp Med* [10.1084/jem.20240842](https://doi.org/10.1084/jem.20240842)

Funk MC, Gleixner JG, Heigwer F, Vonficht D, Valentini F, Aydin Z, Tonin E, Del Prete S, Mahara S, Throm Y, Hetzer J, Heide D, Stegle O, Odom DT, Feldmann A, Haas S Heikenwalder M & Boutros M (2023) Aged intestinal stem cells propagate cell-intrinsic sources of inflammaging in mice. *Dev Cell* [10.1016/j.devcel.2023.11.013](https://doi.org/10.1016/j.devcel.2023.11.013)

Heigwer F, Scheeder C, Bageritz J, Yousefian S, Rauscher B, Laufer C, Beneyto-Calabuig S, **Funk MC**, Peters V, Boulogouri M, Bilanovic J, Miersch T, Schmitt B, Blass C, Port F & Boutros M (2023) A global genetic interaction network by single-cell imaging and machine learning. *Cell Syst* [10.1016/j.cels.2023.03.003](https://doi.org/10.1016/j.cels.2023.03.003)

Colon TM, John-Schuster G, Heide D, Pfister D, Lehmann M, Hu Y, Ertüz Z, Lopez MA, Ansari M, Strunz M, Mayr C, **Funk MC**...Heikenwalder M, Yildirim AÖ (2020) Inhibition of LT β R signalling activates WNT-induced regeneration in lung. *Nature* 589(7842):E6

Funk MC, Zhou J & Boutros M (2020) Ageing, metabolism and the intestine. *EMBO Rep* 21(7):e50047

Bajic D, Niemann A, Hillmer A-K, Mejias-Luque R, Bluemel S, Docampo M, **Funk MC**, Tonin E, Boutros M, Schnabl B, Busch DH, Miki T, Schmid RM, van den Brink MRM, Gerhard M & Stein-Thoeringer CK (2020) Gut microbiota-derived propionate regulates the expression of Reg3 mucosal Lectins and ameliorates experimental colitis in mice. *J Crohns Colitis* 14(10):1462-1472.

Sonnen KF, Lauschke VM, Uraji J, Falk HJ, Petersen Y, **Funk MC**, Beaupeax M, François P, Merten CA & Aulehla AA (2018) Modulation of Phase Shift between Wnt and Notch Signaling Oscillations Controls Mesoderm Segmentation. *Cell* 172(5):1079-1090.e12

Funk MC, Bera AN, Menchen T, Kuaes G, Thriene K, Lienkamp SS, Dengjel J, Omran H, Frank M, & Arnold SJ (2015) *Cyclin O (Ccno)* functions during deuterosome-mediated centriole amplification of multiciliated cells. *EMBO J* 34(8):1078-89