

Publication List

Articles in Preparation

1. Amberg N, Pauler F, Hippenmeyer S.
Distinct and sequential function of Polycomb Repressive Complex 2 in radial glia lineage progression.
On track to be submitted early 2021

Submitted Articles (peer-reviewed journals)

1. Contreras X., Davaatseren A, Amberg N, Hansen AH, Sonntag J, Andersen L, Bernthaler T, Heger A, Johnson R, Schwarz LA, Luo L, Rülcke T, Simon Hippenmeyer S.
A Genome-wide Library of MADM Mice for Single-Cell Genetic Mosaic Analysis.
Original Article, preprint available at BioRxiv: doi: <https://doi.org/10.1101/2020.06.05.136192>.

Published Articles (peer-reviewed journals, including impact factor information according to ISI)

1. Laukoter S, Amberg N, Pauler F, Hippenmeyer S.
Generation and Isolation of Single Cells with MADM-induced Uniparental Chromosome Disomy (UPD) to Probe Genomic Imprinting.
STAR Protocols, in print.
No impact factor yet, new journal as of 2020
2. Hippe A*, Braun SA*, Oláh P, Gerber PA, Schorr A, Seeliger S, Müller S, Jannasch K, Pivarsci A, Bühren B, Schrumpf H, Kislat A, Bünemann E, Steinhoff M, Fischer J, Lira S, Boukamp P, Hevezi P, Stoecklein NH, Hoffmann T, Alves F, Sleeman J, Bauer T, Klufa J, Amberg N, Sibilia M, Zlotnik A, Müller-Hömei A*, and Hömei B*.
EGFR/Ras-induced CCL20 production critically modulates the tumor microenvironment.
Br J Cancer. 2020 Sept 123(6):942-954. doi: 10.1038/s41416-020-0943-2
Impact Factor 5.791, rank 45/244 in the Category "Oncology"
3. Laukoter S*, Pauler F*, Beattie R, Amberg N, Hansen A, Streicher C, Penz T, Bock C, Hippenmeyer S.
Uniparental disomy reveals cell-type specificity of genomic imprinting in cerebral cortex.
Neuron. 2020 Jul 15:S0896-6273(20)30485-2. doi: 10.1016/j.neuron.2020.06.031.
Impact Factor 14.528, rank 6/272 in the Category "Neurosciences"
4. Beattie R, Streicher C, Amberg N, Cheung G, Contreras X, Hansen AH, Simon Hippenmeyer S.
Lineage Tracing and Clonal Analysis in the Developing Cerebral Cortex by using Mosaic Analysis with Double Markers (MADM).
J Vis Exp. 2020 May 8;(159). doi: 10.3791/61147.
Impact Factor 1.163, rank 45/71 in the Category "Multidisciplinary Sciences"

5. Laukoter S*, Pauler F*, Beattie R*, **Amberg N**, Nakayama K, Hippenmeyer S.
Unexpected role of the imprinted *Cdkn1c* genomic locus in cortical neurogenesis
Nature Communications 2020 Jan 10;11(1):195. doi: 10.1038/s41467-019-14077-2.
Impact Factor 12.121, rank 6/71 in the Category "Multidisciplinary Sciences"

6. Telley L*, Agirman G*, Prados J, **Amberg N**, Fièvre S, Oberst P, Bartolini G, Vitali I, Cadilhac C, Hippenmeyer S, Nguyen L, Dayer A, Jabaudon D.
Temporal patterning of apical progenitors and their daughter neurons in the developing neocortex.
Science. 2019 May 10;364(6440). pii: eaav2522. doi: 10.1126/science.aav2522.
Impact Factor 41.846, rank 2/71 in the Category "Multidisciplinary Sciences"

7. **Amberg N**, Sotiropoulou P, Heller G, Lichtenberger BM, Camurdanoglu B, Holcman M, Baykusheva-Gentscheva T, Blanpain C, Sibilila M.
Epidermal EGFR controls hair shaft differentiation in a p53-dependent manner.
iScience. 2019 Apr 17;15:243-256. doi: 10.1016/j.isci.2019.04.018.
Impact Factor 4.447, rank 15/71 in the Category "Multidisciplinary Sciences"

8. Srivatsa S*, Paul MC*, Cardone C, Holcman M, **Amberg N**, Pathria P, Diamanti MA, Linder M, Timelthaler G, Dienes HP, Kenner L, Wrba F, Prager GW, Rose-John S, Eferl R, Liguori G, Botti G, Martinelli E, Greten FR, Ciardiello F, Sibilila M.
EGFR in tumor-associated myeloid cells promotes development of colorectal cancer in mice and associates with outcomes of patients.
Gastroenterology. 2017 Jul;153(1):178-190.e10. doi: 10.1053/j.gastro.2017.03.053.
Impact Factor 17.373, rank 4/88 in the Category "Gastroenterology and Hepatology"

9. **Amberg N**, Holcman M, Stulnig G, Glitzner E, Sibilila M.
Effects of different depilation methods on Imiquimod induced skin inflammation.
J Invest Dermatol. 2017 Feb;137(2):528-531. doi: 10.1016/j.jid.2016.09.018.
Impact Factor 7.14, rank 3/68 in the Category "Dermatology"

10. **Amberg N**, Holcman M, Stulnig G, Sibilila M.
Effects of Imiquimod on hair follicle stem cells and hair cycle progression.
J Invest Dermatol. 2016 Nov;136(11):2140-2149. doi: 10.1016/j.jid.2016.06.613.
Impact Factor 7.14, rank 3/68 in the Category "Dermatology"

11. Glitzner E, Korosec A, Brunner PM, Drobits B, **Amberg N**, Schonhaler HB, Kopp T, Wagner EF, Stingl G, Holcman M, Sibilila M.
Specific roles for dendritic cell subsets during initiation and progression of psoriasis.
EMBO Mol Med. 2014 Sep 12;6(10):1312-27. doi: 10.15252/emmm.201404114.
Impact Factor 8.821, rank 9/139 in the Category "Medicine, research and experimental"

12. Lanaya H*, Natarajan A*, Komposch K*, Li L, Amberg N, Chen L, Wculek SK, Hammer M, Zenz R, Peck-Radosavljevic M, Sieghart W, Trauner M, Wang H, Sibilica M.
EGFR has a tumour-promoting role in liver macrophages during hepatocellular carcinoma formation.
Nat Cell Biol. 2014 Oct;16(10):972-81, 1-7. doi: 10.1038/ncb3031.
Impact Factor **20.042**, rank 8/195 in the Category “Cell Biology”

13. Sparber F, Scheffler JM, Amberg N, Tripp CH, Heib V, Hermann M, Zahner SP, Clausen BE, Reizis B, Huber LA, Stoitzner P, Romani N.
The late endosomal adaptor molecule p14 (LAMTOR2) represents a novel regulator of Langerhans cell homeostasis.
Blood. 2014 Jan 9;123(2):217-27. doi: 10.1182/blood-2013-08-518555.
Impact Factor **17.794**, rank 1/76 in the Category “Hematology”

14. Lichtenberger BM*, Gerber PA*, Holcman M*, Buhren BA, Amberg N, Smolle V, Schrupf H, Boelke E, Ansari P, Mackenzie C, Wollenberg A, Kislat A, Fischer JW, Röck K, Harder J, Schröder JM, Homey B, Sibilica M.
Epidermal EGFR controls cutaneous host defense and prevents inflammation.
Sci Transl Med. 2013 Aug 21;5(199):199ra111. doi: 10.1126/scitranslmed.3005886.
Impact Factor **16.304**, rank 2/139 in the Category “Medicine, research and experimental”

15. Drobits B*, Holcman M*, Amberg N, Swiecki M, Grundtner R, Hammer M, Colonna M, Sibilica M.
Imiquimod clears tumors in mice independent of adaptive immunity by converting pDCs into tumor-killing effector cells.
J Clin Invest. 2012 Feb;122(2):575-85. doi: 10.1172/JCI61034.
Impact Factor **11.864**, rank 3/139 in the Category “Medicine, research and experimental”

Published Reviews or Comments (peer-reviewed journals, including impact factor information)

1. Amberg N and Beattie R.
To recombine or not to recombine
“Reader’s Pick” Blog Feature for eSfN Online Journal <https://blog.eneuro.org/2020/06/readers-pick-june>
No impact factor

2. Amberg N*, Laukoter S* and Hippenmeyer S.
Epigenetic mechanisms contributing to cell type diversity during neural stem cell lineage progression.
J Neurochem. 2019 Apr;149(1):12-26. doi: 10.1111/jnc.14601.
Impact Factor **4.066**, rank 85/272 in the Category “Neurosciences”

Published Book Chapters (non-peer-reviewed journals)

1. **Amberg N**, Holcman M, Glitzner E, Novoszel P, Stulnig G, Sibilis M.
Mouse models of nonmelanoma skin cancer.
Methods Mol Biol. 2015;1267:217-50. From the book: *Mouse models of Cancer – Methods and Protocols*. Springer 2015, ISBN 978-1-4939-2296-3. doi: 10.1007/978-1-4939-2297-0_10.
2. Holcman M, **Amberg N**, Drobits B, Glitzner ES, Komposch K, Robson J, Savarese F, Srivatsa S, Stulnig G, Sibilis M.
Mouse Models of Receptor Tyrosine Kinases. From the book: *Receptor Tyrosine Kinases: Structure, Functions and Role in Human Disease*. Springer 2015, ISBN 978-1-4939-2052-5