
Publications List
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2022

1. Faltus C, **Lahnsteiner A**, Barrdahl M, Assenov Y, Hüsing A, Bogatyrova O, Laplana M, Johnson T. S, Muley T, Meister M, Warth A, Thomas M, Plass C, Kaaks R, Risch A, **Identification of NHLRC1 as a Novel AKT Activator from a Lung Cancer Epigenome-Wide Association Study (EWAS)**. International journal of molecular sciences 23(18), 10699 (2022) [10.3390/ijms231810699]
2. Renato Salazar R, Arbeithuber B, Ivankovic M, Heinzl M, Moura S, Hartl I, Mair T, **Lahnsteiner A**, Ebner T, Shebl O, Pröll J, Tiemann-Boege I, **Discovery of an unusual high number of de novo mutations in sperm of older men using duplex sequencing**, Genome Research, 2022

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3. Schamschula E, **Lahnsteiner A**, Assenov Y, Stanke F, Wiederstein M, Hagmann W, Zaborsky N, Horejs-Höck J, Muley T, Plass C, Tümmler B, Risch A, **Disease-related blood-based differential methylation in cystic fibrosis and its representation in lung cancer revealed a regulatory locus in PKP3 in lung epithelial cells**, Epigenetics, 2021 Aug 20;1-24., doi: 10.1080/15592294.2021.1959976
4. Mair T, Ivankovic M, Paar C, Salzer H.J.F., **Heissl A**, Lamprecht B, Schreier-Lechner E, Tiemann-Boege I, **Processing Hundreds of SARS-CoV-2 Samples with an In-House PCR-Based Method without Robotics**, Viruses 2021, 13, 1712. <https://doi.org/10.3390/v13091712>

2019

5. **Heissl A**, Betancourt AJ, Hermann P, Povysil G, Arbeithuber B, Futschik A, Ebner T, Tiemann-Boege I, **The impact of poly-A microsatellite heterologies in meiotic recombination.**, Life Sci Alliance, 2019 Apr 25;2(2). pii: e201900364. doi: 10.26508/lsa.201900364.
6. Hermann P, **Heissl A**, Tiemann-Boege I, Futschik A., **LDJump: Estimating Variable Recombination Rates from Population Genetic Data.**, Mol Ecol Resour. 2019 Jan 21. doi: 10.1111/1755-0998.12994.

2017

7. Tiemann-Boege I, Schwarz T, Striedner Y, **Heissl A.**, **The consequences of sequence erosion in the evolution of recombination hotspots.**, Philos Trans R Soc Lond B Biol Sci. 2017 Dec 19;372(1736). pii: 20160462. doi: 10.1098/rstb.2016.0462. Review.
8. **Heissl A**, Arbeithuber B, Tiemann-Boege I., **High-Throughput Genotyping with TaqMan Allelic Discrimination and Allele-Specific Genotyping Assays.**, Methods Mol Biol. 2017;1492:29-57.
9. Arbeithuber B, **Heissl A**, Tiemann-Boege I., **Haplotyping of Heterozygous SNPs in Genomic DNA Using Long-Range PCR.**, Methods Mol Biol. 2017;1551:3-22. doi: 10.1007/978-1-4939-6750-6_1.

EWAS Manuscript in preparation

Lahnsteiner A, Van Ree R, Ferrera F, Risch A, Aglas L, **Epigenome-wide association study (EWAS) in birch pollen allergic individuals undergoing allergen immunotherapy**

