

Curriculum Vitae

Ing. Dr.rer.nat. Angelika Lahnsteiner, MSc. B.rer.nat. (former last name: Heissl)

Personal Data

Date of birth: March 4th, 1989
Citizenship: Austria
Family status: married
Present address: University of Salzburg (PLUS),
Cancer (Epi-)Genetics Group
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Academic Milestones and relevant positions

2022 Visiting Scientist at the Pennsylvania State University (PSU), USA
since 2022 Study program chair for the Molecular Biology curricula, Austria
since 2019 Member of the Curricular committee for the Molecular Biology study, Austria
since 2019 PostDoc position at the Paris Lodron University of Salzburg, Austria
2019 PostDoc at the JKU Linz, Austria
2018 Awarded with a PhD in Molecular Biology with distinction at the JKU Linz, Austria
2018 Visiting Scientist (PhD student) at the Pennsylvania State University (PSU), USA
2013 Visiting Scientist (PhD student) at the Helmholtz Center Munich, Institute for Diabetes
Research of Prof. Annette-Gabriele Ziegler, Germany
2012-2013 BioMed zet Lifescience GmbH Linz, Austria, Diabetes Research

Education

2013-2018 PhD. in Molecular Biology at the Johannes Kepler University Linz, Austria
2011-2013 M.Sc. in Molecular Biology at the Johannes Kepler University Linz and University of
Salzburg; Austria
2008-2011 B.rer.nat. in Molecular Biology at the JKU Linz and University of Salzburg; Austria
2003-2008 Chemical Engineer: Higher Technical Academy for Biochemistry, Austria

Awards and Grants

2024 FASEB DNA Structure Best Poster Award
2024 PLUS Early Career Grant
2023 PLUS Excellence in Teaching Award
2021 OEDG starter Grant in diabetes research
2019 ÖGMBT Best Talk Award
2018 JKU Grant for the research stay at the Pennsylvania State University

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| 2018 | Internalization grant of the Council of Upper Austria for the research stay at the Pennsylvania State University |
| 2016-2018 | PhD Fellowship of the Austrian Academy of Sciences ÖAW (DOC Fellowship) with 113.000€ for three years |
| 2013 | FEMtech grant of the Bundesministerium für Verkehr, Innovation und Technologie (bmvit) for six months with 1.450€ per month |
| 2009 | Grant for excellent performance during the bachelor's degree at the Paris-Lodron University of Salzburg (Leistungsstipendium) |
| 2008 | Award for highly talented students of the Higher Technical Academy for Chemistry |

Research Output

2024

1. **Lahnsteiner A.**, Craig S.J.C., Kamali K., Weissensteiner B., McGrath B., Risch A., Makova K.D.: *In vivo detection of DNA secondary structures using Permanganate/S1 Footprinting with Direct Adapter Ligation and Sequencing (PDAL-Seq)*; Methods in Enzymology, <https://doi.org/10.1016/bs.mie.2023.12.003>

2023

2. Bresgen N., Kovacs M., **Lahnsteiner, A.**, Felder T.K., Rinnerthaler M.: *The janus-faced role of lipid droplets in aging: Insights from the cellular perspective.*; Biomolecules 13 (2023), [10.3390/biom13060912](https://doi.org/10.3390/biom13060912)

2022

3. 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](https://doi.org/10.3390/ijms231810699)]
4. 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

2021

5. 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](https://doi.org/10.1080/15592294.2021.1959976)
6. 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

7. **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](https://doi.org/10.26508/lsa.201900364).
8. 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](https://doi.org/10.1111/1755-0998.12994).

2017

9. 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.
10. **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.
11. 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.