

PUBLICATIONS, POSTERS, TALKS

PUBLICATIONS

Equal, shared first authorships are marked with *

Preprint/Under review

Munz M et al. Qtlizer: comprehensive QTL annotation of GWAS results. *bioRxiv*. doi: [10.1101/495903](https://doi.org/10.1101/495903)

Zheng Y et al. Mendelian randomization analysis does not support causal associations of birth weight with hypertension risk and blood pressure in adulthood

Wohlers I, Kuenstner A, **Munz M** et al. A personal and population-based Egyptian genome reference. *bioRxiv*. doi: [10.1101/681254](https://doi.org/10.1101/681254)

Nashef A*, **Munz M*** et al. Translation of mouse model to human gives insights into periodontitis etiology

Wienbergen A et al. New Technologies for Intensive Prevention Programs After Myocardial Infarction – Rationale and Design of the NET-IPP-Study

2019

Wienbergen H et al. P6214 How to improve long-term prevention in young patients after myocardial infarction - the IPP-Y study *Eur Heart J*. doi: [10.1093/eurheartj/ehz746.0819](https://doi.org/10.1093/eurheartj/ehz746.0819)

Freitag-Wolf S*, **Munz M*** et al. Smoking Modifies the Genetic Risk for Early-Onset Periodontitis. *J Dent Res*. PMID: [31537151](https://pubmed.ncbi.nlm.nih.gov/31537151/) doi: [10.1177/0022034519875443](https://doi.org/10.1177/0022034519875443)

Clark D et al. Associations of autozygosity with a broad range of human phenotypes *Nat Commun*. doi: [10.1038/s41467-019-12283-6](https://doi.org/10.1038/s41467-019-12283-6)

Richter GM, Kruppa J, **Munz M** et al. (2019) A combined epigenome- and transcriptome-wide association study of the solid oral mucosa assigns CYP1B1 a central role for epithelial health in smokers. *Clin Epigenetics*. PMID: [31331382](https://pubmed.ncbi.nlm.nih.gov/31331382/) doi: [10.1186/s13148-019-0697-y](https://doi.org/10.1186/s13148-019-0697-y)

Kessler T et al. (2019) Association of the coronary artery disease risk gene GUCY1A3 with onaspirin platelet reactivity and ischemic events after coronary intervention. *Cardiovasc Res*. PMID: [30768153](https://pubmed.ncbi.nlm.nih.gov/30768153/) doi: [10.1093/cvr/cvz015](https://doi.org/10.1093/cvr/cvz015)

Bejaoui Y et al. (2019) Genome-wide association study of psoriasis in an Egyptian population. *Exp Dermatol*. PMID: [30921485](https://pubmed.ncbi.nlm.nih.gov/30921485/) doi: [10.1111/exd.13926](https://doi.org/10.1111/exd.13926)

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Westermaier A*, **Munz M*** et al. (2018) Association of genetic variation at Aquaporin-4 locus with vascular depression. *Biomol*. PMID: [30563176](https://pubmed.ncbi.nlm.nih.gov/30563176/) doi: [10.3390/biom8040164](https://doi.org/10.3390/biom8040164)

Munz M et al. (2018) Meta-analysis of genome-wide association studies of aggressive and chronic periodontitis identifies two novel risk loci. *Eur J Hum Genet*. PMID: [30218097](https://pubmed.ncbi.nlm.nih.gov/30218097/) doi: [10.1038/s41431-018-0265-5](https://doi.org/10.1038/s41431-018-0265-5)

Munz M et al. (2018) Genome-wide association meta-analysis of coronary artery disease and periodontitis reveals a novel shared risk locus. *Sci Rep*. PMID: [30209331](https://pubmed.ncbi.nlm.nih.gov/30209331/) doi: [10.1038/s41598-018-31980-8](https://doi.org/10.1038/s41598-018-31980-8)

Offenbacher S et al. (2018) GWAS for Interleukin-1 β levels in gingival crevicular fluid identifies IL37 variants in periodontal inflammation. *Nat Commun*. PMID: [30206230](https://pubmed.ncbi.nlm.nih.gov/30206230/) doi: [10.1038/s41467-018-05940-9](https://doi.org/10.1038/s41467-018-05940-9)

Aarabi G et al. (2018) Roles of the Chr.9p21.3 ANRIL Locus in Regulating Inflammation and Implications for Anti-Inflammatory Drug Target Identification. *Front Cardiovasc Med*. PMID: [29868613](https://pubmed.ncbi.nlm.nih.gov/29868613/) doi: [10.3389/fcvm.2018.00047](https://doi.org/10.3389/fcvm.2018.00047)

Nashef A, Qabaja R, Salaymeh Y, Botzman M, **Munz M** et al. (2018) Integration of Murine and Human Studies for Mapping Periodontitis Susceptibility. *J Dent Res*. PMID: [29294296](https://pubmed.ncbi.nlm.nih.gov/29294296/) doi: [10.1177/0022034517744189](https://doi.org/10.1177/0022034517744189)

Schaich A, Westermaier AL, **Munz M** et al. (2018) Mental health and psychosocial functioning over the lifespan of German patients undergoing cardiac catheterization for coronary artery disease. *Front Psychiatry*. PMID: [29593584](https://pubmed.ncbi.nlm.nih.gov/29593584/) doi: [10.3389/fpsy.2018.00075](https://doi.org/10.3389/fpsy.2018.00075)

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Munz M et al. (2017) A genome-wide association study identifies nucleotide variants at SIGLEC5 and DEFA1A3 as risk loci for periodontitis. *Hum Mol Genet*. PMID: [28449029](https://pubmed.ncbi.nlm.nih.gov/28449029/) doi: [10.1093/hmg/ddx151](https://doi.org/10.1093/hmg/ddx151)

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Shusterman A, **Munz M** et al. (2017) The PF4/PPBP/CXCL5 Gene Cluster Is Associated with Periodontitis. *J Dent Res*. PMID: [28467728](#) doi: [10.1177/0022034517706311](#)

Eitel I, Moeller C, **Munz M** et al. (2017) Genome wide association study in takotsubo syndrome - Preliminary results and future directions. *Int J Cardiol*. PMID: [28108127](#) doi: [10.1016/j.ijcard.2017.01.093](#)

Haycock PC et al. (2017) Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. *JAMA Oncol*. PMID: [28241208](#) doi: [10.1001/jamaoncol.2016.5945](#)

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Offenbacher S et al. (2016) Genome-wide association study of biologically informed periodontal complex traits offers novel insights into the genetic basis of periodontal disease. *Hum Mol Genet*. PMID: [26962152](#) doi: [10.1001/jamaoncol.2016.5945](#)

2015

Munz M, Tönnies S, Balke W-T, Simon E. (2015) Multidimensional gene search with Genehopper. *Nucl Acids Res*. PMID: [25990726](#) doi: [10.1093/nar/gkv511](#)

Tinhofer I et al. (2015) Next-generation sequencing: hype and hope for development of personalized radiation therapy? *Radiat Oncol*. PMID: [26316159](#) doi: [10.1186/s13014-015-0481-x](#)

CONFERENCE POSTERS

2020

Munz M, Erdmann J, Busch H (2020) Bringing integrated analyses of high-throughput data to the next level. *International Symposium PMI 2020*. Hamburg, Germany

2018

Munz M, Schaefer A, Erdmann J (2018) Comprehensive QTL annotation of GWAS results with Qtlizer. *European Society of Human Genetics*. Milan, Italy

Muñoz ML, **Munz M**, Erdmann J (2018) reduSNP: used for linkage disequilibrium-pruning. *European Society of Human Genetics*. Milan, Italy

2017

Munz M, Willenborg C, Franke A, Erdmann J, Schaefer A (2017) Meta-analysis of periodontitis and coronary artery disease reveals a new shared risk locus. *European Society of Human Genetics*. Copenhagen, Denmark

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Munz M, Willenborg C, Franke A, Dommisch H, Erdmann J, Schaefer A (2016) A genome-wide association study identifies SIGLEC5 and the DEFA4 locus as genetic risk factors of Periodontitis. *American Society of Human Genetics*. Vancouver, Canada

Munz M, Willenborg C, Franke A, Schaefer A, Erdmann J (2016) Meta-analysis of Aggressive Periodontitis and Coronary Artery Disease points to new shared risk loci. *e:Med Meeting 2016 on Systems Medicine*. Kiel, Germany

Munz M, Dommisch H, Schaefer A (2016) Genome-wide association study with the early-onset disease aggressive periodontitis using a three-step design. *Berlin Institute of Health Symposium "Exploring Systems Medicine"*. Berlin, Germany

Munz M, Erdmann J, Schaefer A, Simon E (2016) Multidimensional shortest path search in a gene-gene similarity network using Genehopper. *EMBL-Wellcome Genome Campus Conference "Target Validation using Genomics and Informatics"*. Heidelberg, Germany

2015

Munz M, Gratzl S, Erdmann J, Schaefer A, Simon E (2015) Interactive Gene Prioritization for Target Selection using Genehopper and LineUp. *EMBL - Wellcome Genome Campus Conference "Target Validation using Genomics and Informatics"*. Hinxton, UK

2013

Munz M, Lepar G, Simon E (2015) Gene-centered, condensed time-efficient visualization of RNA-Seq data *21st Annual International Conference on Intelligent Systems for Molecular Biology / 12th European Conference on Computational Biology*. Berlin, Germany



October 2016 Flash talk at *e:Med Meeting 2016 on Systems Medicine* in Kiel, Germany. Title: "Meta-analysis of Aggressive Periodonitits and Coronary Artery Disease points to new shared risk loci"