# PUBLICATIONS, POSTERS, TALKS, REVIEWING



## PUBLICATIONS

Equal, shared first authorships are marked with \*

## Preprint/Under review

Munz M et al. Otlizer: comprehensive QTL annotation of GWAS results. bioRxiv. doi: 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

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

### 2020

Nashef A\*, Munz M\* et al. (2020) Translation of mouse model to human gives insights into periodontitis etiology. Sci Rep. PMID: 32184465 doi: 10.1038/s41598-020-61819-0

#### 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

Freitag-Wolf S\*, Munz M\* et al. Smoking Modifies the Genetic Risk for Early-Onset Periodontitis. J Dent Res. PMID: 31537151 doi: 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

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 doi: 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 doi: 10.1093/cvr/cvz015

Bejaoui Y et al. (2019) Genome-wide association study of psoriasis in an Egyptian population. Exp Dermatol. PMID: 30921485 doi: 10.1111/exd.13926

### 2018

Westermaier A<sup>\*</sup>, Munz M<sup>\*</sup> et al. (2018) Association of genetic variation at Aquaporin-4 locus with vascular depression. *Biomol.* PMID: 30563176 doi: 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 doi: 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 doi: 10.1038/s41598-018-31980-8

Offenbacher S el al. (2018) GWAS for Interleukin- $1\beta$  levels in gingival crevicular fluid identifies IL37 variants in periodontal inflammation. Nat Commun. PMID: 30206230 doi: 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 doi: 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 doi: 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 doi: 10.3389/fpsyt.2018.00075

## 2017

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 doi: 10.1093/hmg/ddx151

**Munz M**\*, Chen H\* et al. (2017) A haplotype block downstream of plasminogen is associated with chronic and aggressive periodontitis. *J Clin Periodontol*. PMID: 28548211 doi: 10.1111/jcpe.12749

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

### 2016

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

## 2016

**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**, Leparc 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"

# **E** REVIEWING

2020 MDPI Dentistry Journal

2019 Journal of Clinical Periodontology (2x), BMC Medical Genetics, Biomarkers in Medicine

2016 PeerJ, PLOS One