



Publications X-omics consortium

2022

Publications of the X-omics consortium

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How to proceed after "negative" exome: A review on genetic diagnostics, limitations, challenges, and emerging new multiomics techniques.

Wortmann SB, Oud MM, Alders M, Coene KLM, van der Crabben SN, Feichtinger RG, Garanto A, **Hoischen A**, Langeveld M, **Lefeber D**, Mayr JA, Ockeloen CW, Prokisch H, Rodenburg R, Waterham HR, Wevers RA, van de Warrenburg BPC, Willemsen MAAP, Wolf NI, **Vissers LELM**, van Karnebeek CDM.

J Inherit Metab Dis. 2022 May 4. doi: 10.1002/jimd.12507. Online ahead of print. PMID: 35506430 Review.

<https://pubmed.ncbi.nlm.nih.gov/35506430/>

Circulating interleukin-37 declines with aging in healthy humans: relations to healthspan indicators and IL37 gene SNPs.

Brunt VE, Ikoba AP, Ziembra BP, Ballak DB, **Hoischen A**, Dinarello CA, Ehringer MA, Seals DR.

Geroscience. 2022 May 27. doi: 10.1007/s11357-022-00587-3. Online ahead of print. PMID: 35622271

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The Immunometabolic Atlas: A tool for design and interpretation of metabolomics studies in immunology.

Maas P, den Hartog I, Kindt A, Boman S, **Hankemeier T**, van Hasselt C.

PLoS One. 2022 May 12;17(5):e0268408. doi: 10.1371/journal.pone.0268408. eCollection 2022. PMID: 35550647

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Plasma Levels of Endocannabinoids and Their Analogues Are Related to Specific Fecal Bacterial Genera in Young Adults: Role in Gut Barrier Integrity.

Ortiz-Alvarez L, Xu H, Di X, Kohler I, Osuna-Prieto FJ, Acosta FM, Vilchez-Vargas R, Link A, Plaza-Díaz J, van der Stelt M, **Hankemeier T**, Clemente-Postigo M, Tinahones FJ, Gil A, Rensen PCN, Ruiz JR, Martinez-Tellez B.

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Quantification of endocannabinoids in human cerebrospinal fluid using a novel micro-flow liquid chromatography-mass spectrometry method.

He B, Di X, Guled F, Harder AVE, van den Maagdenberg AMJM, Terwindt GM, Krekels EHJ, Kohler I, **Harms A**, Ramautar R, **Hankemeier T**.

Anal Chim Acta. 2022 Jun 1;1210:339888. doi: 10.1016/j.aca.2022.339888. Epub 2022 May 2. PMID: 35595362

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Sbk2, a Newly Discovered Atrium-Enriched Regulator of Sarcomere Integrity.

van Gorp PRR, Zhang J, Liu J, Tsonaka R, Mei H, Dekker SO, Bart CI, De Coster T, Post H, **Heck AJR**, Schalij MJ, Atsma DE, Pijnappels DA, de Vries AAF.

Circ Res. 2022 May 19:101161CIRCRESAHA121319300. doi: 10.1161/CIRCRESAHA.121.319300. Online ahead of print. PMID: 35587025

<https://pubmed.ncbi.nlm.nih.gov/35587025/>

Complementary omics strategies to dissect p53 signaling networks under nutrient stress.

Galhuber M, Michenthaler H, Heining C, Reinisch I, Nössing C, Krstic J, Kupper N, Moyschewitz E, Auer M, Heitzer E, Ulz P, Birner-Gruenberger R, Liesinger L, Lenihan-Geels GN, Oster M, Spreitzer E, Zenezini Chiozzi R, Schulz TJ, Schupp M, Madl T, **Heck AJR**, Prokesch A.

Cell Mol Life Sci. 2022 May 30;79(6):326. doi: 10.1007/s00018-022-04345-8. PMID: 35635656

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Delayed tracking and inequality of opportunity: Gene-environment interactions in educational attainment.

Knigge A, Maas I, Stienstra K, de Zeeuw EL, **Boomsma DI**.

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Within-sibship genome-wide association analyses decrease bias in estimates of direct genetic effects.

Howe LJ, Nivard MG, Morris TT, Hansen AF, Rasheed H, Cho Y, Chittoor G, Ahlskog R, Lind PA, Palviainen T, van der Zee MD, Cheesman R, Mangino M, Wang Y, Li S, Klaric L, Ratliff SM, Bielak LF, Nygaard M, Giannelis A, Willoughby EA, Reynolds CA, Balbona JV, Andreassen OA, Ask H, Baras A, Bauer CR, **Boomsma DI**, Campbell A, Campbell H, Chen Z, Christofidou P, Corfield E, Dahm CC, Dokuru DR, Evans LM, de Geus EJC, Giddaluru S, Gordon SD, Harden KP, Hill WD, Hughes A, Kerr SM, Kim Y, Kweon H, Latvala A, Lawlor DA, Li L, Lin K, Magnus P, Magnusson PKE, Mallard TT, Martikainen P, Mills MC, Njølstad PR, Overton JD, Pedersen NL, Porteous DJ, Reid J, Silventoinen K, Southey MC, Stoltenberg C, Tucker-Drob EM, Wright MJ; Social Science Genetic Association Consortium; Within Family Consortium, Hewitt JK, Keller MC, Stallings MC, Lee JJ, Christensen K, Kardia SLR, Peyser PA, Smith JA, Wilson JF, Hopper JL, Hägg S, Spector TD, Pingault JB, Plomin R, Havdahl A, Bartels M, Martin NG, Oskarsson S, Justice AE, Millwood IY, Hveem K, Naess Ø, Willer CJ, Åsvold BO, Koellinger PD, Kaprio J, Medland SE, Walters RG, Benjamin DJ, Turley P, Evans DM, Davey Smith G, Hayward C, Brumpton B, Hemani G, Davies NM.

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Alrouh H, van Bergen E, de Zeeuw E, Dolan C, **Boomsma DI**.

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Li-Gao R, **Boomsma DI**, Dolan CV, De Geus EJC, Denollet J, Kupper N.

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The Effect of Hearing Aid Use on the Association Between Hearing Loss and Brain Structure in Older Adults.

de Boer TG, Rigters SC, Croll PH, Niessen WJ, **Ikram MA**, van der Schroeff MP, Vernooij MW, Goedegeure A.

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PMID: 35505540

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Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation.

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de Feijter M, Tiemensma J, **Ikram MA**, Stricker BH, Luik AI.

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Association of Nonalcoholic Fatty Liver Disease and Fibrosis With Incident Dementia and Cognition: The Rotterdam Study.

Xiao T, van Kleef L, Ikram MK, De Knecht R, **Ikram MA**.

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Smit MJ, Martini TEI, Armandari I, Bočkaj I, Zomerman WW, de Camargo Magalhães ES, Siragna Z, Meeuwssen TGJ, Scherpen FJG, Schoots MH, Ritsema M, den Dunnen WFA, Hoving EW, Paridaen JTML, de Haan G, **Guryev V**, Bruggeman SWM.

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Application of metabolite set enrichment analysis on untargeted metabolomics data prioritises relevant pathways and detects novel biomarkers for inherited metabolic disorders.

Hoegen B, Hampstead JE, Engelke UFH, Kulkarni P, Wevers RA, Brunner HG, Coene KLM, **Gilissen C**.

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April

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González O, Dubbelman AC, **Hankemeier T**.

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