



Publications **X-omics** consortium

2021

Publications of the X-omics consortium

December 2021

Comparative Analysis of Antibodies and Heavily Glycosylated Macromolecular Immune Complexes by Size-Exclusion Chromatography Multi-Angle Light Scattering, Native Charge Detection Mass Spectrometry, and Mass Photometry.

den Boer MA, Lai SH, Xue X, van Kampen MD, Bleijlevens B, **Heck AJR**.

Anal Chem. 2021 Dec 23. doi: 10.1021/acs.analchem.1c03656. Online ahead of print. PMID: 34939405

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Bizzarri D, Reinders MJT, Beekman M, **Slagboom PE**, Bbmri-NI, van den Akker EB.

EBioMedicine. 2021 Dec 20;75:103764. doi: 10.1016/j.ebiom.2021.103764. Online ahead of print. PMID: 34942446

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Changes in the Diagnosis of Stroke and Cardiovascular Conditions in Primary Care During First 2 COVID-19 Waves in the Netherlands.

Velek P, Splinter MJ, Ikram MK, **Ikram MA**, Leening MJG, van der Lei J, Hartman TO, Peters LL, Tange H, Rutten FH, van Weert H, Wolters FJ, Bindels PJE, Licher S, de Schepper EIT.

Neurology. 2021 Dec 29;10.1212/WNL.0000000000013145. doi: 10.1212/WNL.0000000000013145. Online ahead of print. PMID: 34965968

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Subclinical Measures of Peripheral Atherosclerosis and the Risk of New-Onset Atrial Fibrillation in the General Population: the Rotterdam Study.

Geurts S, Brunborg C, Papageorgiou G, **Ikram MA**, Kavousi M.

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Mayayo-Peralta I, Faggion B, Hoekman L, Morris B, Liefink C, Goldsbrough I, Buluwela L, Siefert JC, Post H, **Altelaar M**, Beijersbergen R, Ali S, Zwart W, Prekovic S.

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A functional spleen contributes to afucosylated IgG in humans.

Wojcik I, Schmidt DE, de Neef LA, Rab MAE, Meek B, de Weerd O, **Wuhrer M**, van der Schoot CE, Zwaginga JJ, de Haas M, Falck D, Vidarsson G.

Sci Rep. 2021 Dec 15;11(1):24045. doi: 10.1038/s41598-021-03196-w. PMID: 34911982

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Omega-6 and omega-3 oxylipins as potential markers of cardiometabolic risk in young adults.

Jurado-Fasoli L, Di X, Kohler I, Osuna-Prieto FJ, **Hankemeier T**, Krekels E, Harms AC, Yang W, Garcia-Lario JV, Fernández-Veledo S, Ruiz JR, Rensen PCN, Martinez-Tellez B.

Obesity (Silver Spring). 2021 Dec 12. doi: 10.1002/oby.23282. Online ahead of print. PMID: 34898010

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Commun Biol. 2021 Dec 8;4(1):1374. doi: 10.1038/s42003-021-02895-4. PMID: 34880419

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Pasman JA, Demange PA, Guloksuz S, Willemsen AHM, Abdellaoui A, Ten Have M, Hottenga JJ, **Boomsma DI**, de Geus E, Bartels M, de Graaf R, Verweij KJH, Smit DJ, Nivard M, Vink JM.

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Fat metabolism is associated with telomere length in six population-based studies.

van der Spek A, Karamujić-Čomić H, Pool R, Bot M, Beekman M, Garmaveva S, Arp PP, Henkelman S, Liu J, Alves AC, Willemsen G, van Grootheest G, Aubert G; BMMRI Metabolomics Consortium, **Ikram MA**, Jarvelin MR, Lansdorp P, Uitterlinden AG, Zhernakova A, **Slagboom PE**, Penninx BWJH, **Boomsma DI**, Amin N, van Duijn CM.

Hum Mol Genet. 2021 Dec 7:ddab281. doi: 10.1093/hmg/ddab281. Online ahead of print. PMID: 34875050

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Methylome-wide association study of antidepressant use in Generation Scotland and the Netherlands Twin Register implicates the innate immune system.

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Mol Psychiatry. 2021 Dec 8. doi: 10.1038/s41380-021-01412-7. Online ahead of print. PMID: 34880450

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The power of genetic diversity in genome-wide association studies of lipids.

Graham SE, Clarke SL, Wu KH, Kanoni S, Zajac GJM, Ramdas S, Surakka I, Ntalla I, Vedantam S, Winkler TW, Locke AE, Marouli E, Hwang MY, Han S, Narita A, Choudhury A, Bentley AR, Ekoru K, Verma A, Trivedi B, Martin HC, Hunt KA, Hui Q, Klarin D, Zhu X, Thorleifsson G, Helgadottir A, Gudbjartsson DF, Holm H, Olafsson I, Akiyama M, Sakaue S, Terao C, Kanai M, Zhou W, Brumpton BM, Rasheed H, Ruotsalainen SE, Havulinna AS, Veturi Y, Feng Q, Rosenthal EA, Lingren T, Pacheco JA, Pendergrass SA, Haessler J, Giulianini F, Bradford Y, Miller JE, Campbell A, Lin K, Millwood IY, Hindy G, Rasheed A, Faul JD, Zhao W, Weir DR, Turman C, Huang H, Graff M, Mahajan A, Brown MR, Zhang W, Yu K, Schmidt EM, Pandit A, Gustafsson S, Yin X, Luan J, Zhao JH, Matsuda F, Jang HM, Yoon K, Medina-Gomez C, Pitsillides A, Hottenga JJ, Willemsen G, Wood AR, Ji Y, Gao Z, Haworth S, Mitchell RE, Chai JF, Aadahl M, Yao J, Manichaikul A, Warren HR, Ramirez J, Bork-Jensen J, Kärhus LL, Goel A, Sabater-Lleal M, Noordam R, Sidore C, Fiorillo E, McDaid AF, Marques-Vidal P, Wielscher M, Trompet S, Sattar N, Møllehave LT, Thuesen BH, Munz M, Zeng L, Huang J, Yang B, Poveda A, Kurbasic A, Lamina C, Forer L, Scholz M, Galesloot TE, Bradfield JP, Daw EW, Zmuda JM, Mitchell JS, Fuchsberger C, Christensen H, Brody JA, Feitosa MF, Wojczynski MK, Preuss M, Mangino M, Christofidou P, Verweij N, Benjamins JW, Engmann J, Kember RL, Slieker RC, Lo KS, Zilhao NR, Le P, Kleber ME, Delgado GE, Huo S, Ikeda DD, Iha H, Yang J, Liu J, Leonard HL, Marten J, Schmidt B, Arendt M, Smyth LJ, Cañadas-Garre M, Wang C, Nakatochi M, Wong A, Hutri-Kähönen N, Sim X, Xia R, Huerta-Chagoya A, Fernandez-Lopez JC, Lyssenko V, Ahmed M, Jackson AU, Irvin MR, Oldmeadow C, Kim HN, Ryu S, Timmers PRHJ, Arbeeveva L, Dorajoo R, Lange LA, Chai X, Prasad

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November 2021

Kinetics of myelin breakdown products: A labeling study in patients with progressive multiple sclerosis.

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Yin V, Lai SH, Caniels TG, Brouwer PJM, Brinkkemper M, Aldon Y, Liu H, Yuan M, Wilson IA, Sanders RW, van Gils MJ, **Heck AJR**.

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Analysis of Synthetic Monodisperse Polysaccharides by Wide Mass Range Ultrahigh-Resolution MALDI Mass Spectrometry.

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Personalized Profiling Reveals Donor- and Lactation-Specific Trends in the Human Milk Proteome and Peptidome.

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Analysis of Synthetic Monodisperse Polysaccharides by Wide Mass Range Ultrahigh-Resolution MALDI Mass Spectrometry.

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February 2021

Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3-90 years.

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Hum Brain Mapp. 2021 Feb 17. doi: 10.1002/hbm.25364. Online ahead of print. PMID: 33595143

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Cellular Fucosylation Inhibitors Based on Fluorinated Fucose-1-phosphates.*

Pijnenborg JFA, Visser EA, Noga M, Rossing E, Veizaj R, **Lefebber DJ**, Büll C, Boltje TJ.

Chemistry. 2021 Feb 24;27(12):4022-4027. doi: 10.1002/chem.202005359. Epub 2021 Feb 2. PMID: 33336886

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