Publications X-omics consortium

2024

Publications of the X-omics consortium

August

IMPRESS: Improved methylation profiling using restriction enzymes and smMIP sequencing, combined with a new biomarker panel, creating a multi-cancer detection assay.

Vandenhoeck J, Neefs I, Vanpoucke T, Ibrahim J, Suls A, Peeters D, Schepers A, **Hoischen A**, Fransen E, Peeters M, Van Camp G, Op de Beeck K.

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Tracer-based metabolomics for profiling nitric oxide metabolites in a 3D microvessels-on-chip model.

Pandian K, Huang L, Junaid A, Harms A, van Zonneveld AJ, **Hankemeier T**.

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Enabling high-sensitivity live single-cell mass spectrometry using an integrated electrical lysis and nano electrospray ionization interface.

Pandian K, de Matos LDAHEA, Hetzel LA, Zwier R, Veldhuizen PV, Schubert C, Karuppusamy J, Harms AC, Ali A, **Hankemeier T**.

Anal Chim Acta. 2024 Oct 2;1324:343068. doi: 10.1016/j.aca.2024.343068. Epub 2024 Aug 6. PMID: 39218570

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Phenotype prediction using biologically interpretable neural networks on multi-cohort multi-omics data.

van Hilten A, van Rooij J; BIOS consortium; **Ikram MA**, Niessen WJ, van Meurs JBJ, Roshchupkin GV.

NPJ Syst Biol Appl. 2024 Aug 2;10(1):81. doi: 10.1038/s41540-024-00405-w. PMID: 39095438

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Bizzarri D, Reinders MJT, Kuiper L, Beekman M, Deelen J, van Meurs JBJ, van Dongen J, Pool R, **Boomsma DI**, **Ghanbari M**, Franke L; BBMRI Consortium; **Slagboom PE**, van den Akker EB.

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Phenotype prediction using biologically interpretable neural networks on multi-cohort multi-omics data.

van Hilten A, van Rooij J; BIOS consortium; **Ikram MA**, Niessen WJ, van Meurs JBJ, Roshchupkin GV.

NPJ Syst Biol Appl. 2024 Aug 2;10(1):81. doi: 10.1038/s41540-024-00405-w.PMID: 39095438

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Dysregulation of plasma circulating microRNAs in all-cause and cause-specific cancers: the Rotterdam Study.

Shuai Y, Zhang X, Lavrijssen BDA, **Ikram MA**, Ruiter R, Stricker B, **Ghanbari M**.

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Metadata for Data dIscoverability aNd Study rEplicability in obseRVAtional Studies (MINERVA): Lessons Learnt From the MINERVA Project in Europe.

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