

PUBLICATIONS (1/2):

- **Cloud-based archived metabolomics data: A resource for in-source fragmentation/annotation, meta-analysis and systems biology**
Amelia Palermo, Tao Huan, Duane Rinehart, Markus M. Rinschen, Shuzhao Li, Valerie B. O'Donnell, Eoin Fahy, Jingchuan Xue, Shankar Subramaniam, H. Paul Benton, Gary Siuzdak
Analytical Science Advances, 2020, DOI: 10.1002/ansa.202000042
- **XCMS-MRM and METLIN-MRM: a cloud library and public resource for targeted analysis of small molecules**
Xavier Domingo-Almenara, J. Rafael Montenegro-Burke, Julijana Ivanisevic, Aurelien Thomas, Jonathan Sidibé, Tony Teav, Carlos Guijas, Aries E. Aisporna, Duane Rinehart, Linh Hoang, Anders Nordström, María Gómez-Romero, Luke Whiley, Matthew R. Lewis, Jeremy K. Nicholson, H. Paul Benton & Gary Siuzdak
Nature Methods, 2018, DOI: 10.1038/s41592-018-0110-3
- **Autonomous Multimodal Metabolomics Data Integration for Comprehensive Pathway Analysis and Systems Biology**
Tao Huan, Amelia Palermo, Julijana Ivanisevic, Duane Rinehart, David Edler, Thierry Phommavongsay, H. Paul Benton, Carlos Guijas, Xavier Domingo-Almenara, Benedikt Warth, Gary Siuzdak
Analytical Chemistry, 2018, DOI: 10.1021/acs.analchem.8b00875
- **Data processing, multi-omic pathway mapping, and metabolite activity analysis using XCMS Online**
Forsberg, Erica M, Huan, Tao, Rinehart, Duane, Benton, H Paul, Warth, Benedikt, Hilmers, Brian, Siuzdak, Gary
Nature Protocols volume 13, pages 633–651, 2018, DOI:10.1038/nprot.2017.151
- **Exposome-Scale Investigations Guided by Global Metabolomics, Pathway Analysis, and Cognitive Computing**
Warth, Benedikt, Spangler, Scott, Fang, Mingliang, Johnson, Caroline H., Forsberg, Erica M., Granados, Ana, Martin, Richard L., Domingo-Almenara, Xavier, Huan, Tao, Rinehart, Duane, Montenegro-Burke, J. Rafael, Hilmers, Brian, Aisporna, Aries, Hoang, Linh T., Uritboonthai, Winnie, Benton, H. Paul, Richardson, Susan D., Williams, Antony J., Siuzdak, Gary
Analytical Chemistry, 2017, DOI 10.1021/acs.analchem.7b02759
- **Metabolizing Data in the Cloud**
Warth B., Levin N., Rinehart D., Tejjaro J., Benton H. P., Siuzdak G.
Trends in Biotechnology, 2017, DOI 10.1016/j.tibtech.2016.12.010
- **Data Streaming for Metabolomics: Accelerating Data Processing and Analysis from Days to Minutes**
Montenegro-Burke J. R., Aisporna A. E., Benton H. P., Rinehart D., Fang M., Huan T., Warth B., Forsberg E., Abe B. T., Ivanisevic J., Wolan D. W., Teyton L., Lairson L., Siuzdak G.
Analytical Chemistry, 2017, DOI 10.1021/acs.analchem.6b03890
- **Smartphone Analytics: Mobilizing the Lab into the Cloud for Omic-Scale Analyses**
Montenegro-Burke J. R., Phommavongsay T., Aisporna A.E., Huan T., Rinehart D., Forsberg E., Thorgersen M. P., Adams M. W. W., Northen T. R., Robbins P.D., Niedernhofer L. J., Lairson L., Benton H. P., Siuzdak G.
Analytical Chemistry, 2016, DOI 10.1021/acs.analchem.6b02676
- **Determining conserved metabolic biomarkers from a million database queries**
Michael E Kuczny, Julijana Ivanisevic, Caroline H Johnson, Winnie Uritboonthai, Linh Hoang, Mingliang Fang, Matthew Hicks, Anthony Aldebot, Duane Rinehart, Lisa J Mellander, Ralf Tautenhahn, Gary J Patti, Mary E Spilker, H Paul Benton, Gary Siuzdak
Bioinformatics, 2015, DOI 10.1093/bioinformatics/btv475

PUBLICATIONS (2/2):

- **An interactive cluster heat map to visualize and explore multidimensional metabolomic data**
Julijana Ivanisevic, H. Paul Benton, Duane Rinehart, Adrian Epstein, Michael E. Kurczy, Michael D. Boska, Howard E. Gendelman, Gary Siuzdak
Metabolomics, 2015, DOI 10.1007/s11306-014-0759-2
- **Autonomous metabolomics for Rapid Metabolite Identification in Global Profiling**
H. Paul Benton, Julijana Ivanisevic, Nathaniel G. Mahieu, Michael E. Kurczy, Caroline Helen Johnson, Lauren Franco, Duane Rinehart, Elizabeth Valentine, Harsha Gowda, Baljit K. Ubhi, Ralf Tautenhahn, Andrew Gieschen, Matthew Fields, Gary J. Patti, Gary Siuzdak
Analytical Chemistry, 2014, DOI 10.1021/ac5025649
- **Interactive XCMS Online: simplifying advanced metabolomic data processing and subsequent statistical analyses**
Gowda Harsha, Ivanisevic J, Johnson CH, Kurczy ME, Benton HP; Rinehart D, Nguyen T, Ray J, Kuehl J, Arevalo B, Westenskow PD, Wang J, Arkin AP, Deutschbauer AM, Patti GJ, Siuzdak G
Analytical Chemistry, 2014, DOI 10.1021/ac500734c
- **Metabolomic data streaming for biology-dependent data acquisition**
Duane Rinehart, Caroline H Johnson, Thomas Nguyen, Julijana Ivanisevic, H Paul Benton, Jessica Lloyd, Adam P Arkin, Adam M Deutschbauer, Gary J Patti, Gary Siuzdak
Nature Biotechnology, 2014, DOI: 10.1038/nbt.2927
- **A View from Above: The Cloud Plot for Visualizing Global Metabolomic Data**
Patti G.J., Tautenhahn R., Rinehart D., Cho K., Nikolskiy I., Johnson C., Siuzdak G.
Analytical Chemistry, 2013, DOI 10.1021/ac3029745
- **XCMS Online: A Web-Based Platform to Process Untargeted Metabolomic Data**
Ralf Tautenhahn, Gary J. Patti, Duane Rinehart, Gary Siuzdak
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