

Molecular Omics

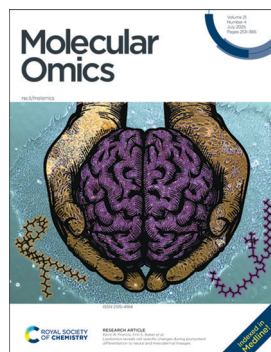
Research and reviews in omic sciences, including genomics, proteomics, transcriptomics, metabolomics, glycomics and lipidomics

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Cover

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Inside cover

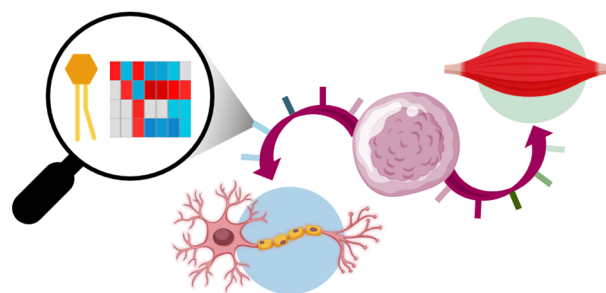
See Preeti Tiwari, Chandan Singh *et al.*, pp. 270–281. Image reproduced by permission of Rahul Yadav, Vyomika Bansal, Anamika Singh, Neeraj Sinha, Preeti Tiwari and Chandan Singh from *Mol. Omics*, 2025, 21, 270. Cover image designed by Rahul Yadav. Conceptualisation by Dr Preeti Tiwari and Dr Chandan Singh.

RESEARCH ARTICLES

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Lipidomics reveals cell specific changes during pluripotent differentiation to neural and mesodermal lineages

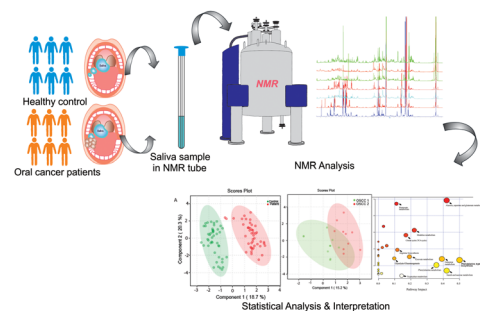
Melanie T. Odenkirk, Haley C. Jostes, Kevin R. Francis* and Erin S. Baker*



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Metabolomics-based predictive biomarkers of oral cancer and its severity in human patients from North India using saliva

Rahul Yadav, Vyomika Bansal, Anamika Singh, Neeraj Sinha, Preeti Tiwari* and Chandan Singh*



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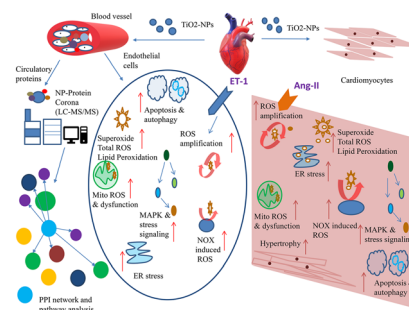
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Human circulatory proteome interaction, oxidative stress-associated signalling and cardiovascular implications during titanium dioxide nanoparticle (TiO₂-NP) exposure

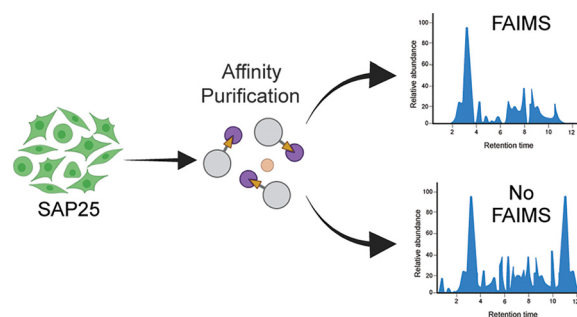
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Analysis of FAIMS for the study of affinity-purified protein complexes using the orbitrap ascend tribrid mass spectrometer

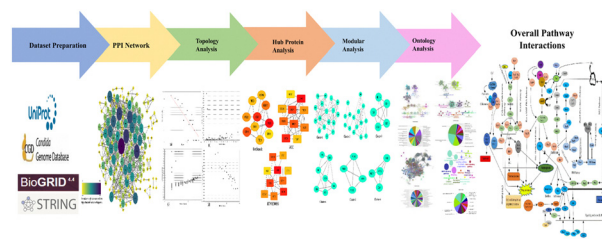
Pratik Goswami, Joseph Cesare, Michaela J. Rekowski, Zachary Clark, Janet Thornton and Michael P. Washburn*



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PPI network identifies interacting pathogenic signaling pathways in *Candida albicans*

Deepanjan Chattopadhyay, Sanjib Das, Paromita Saha Mondal, Tanushree Mondal, Subhasree Samanta, Amalesh Mondal, Achintya Mohan Goswami* and Tanima Saha*

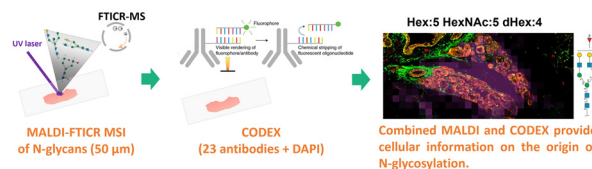


Pathway Interactions Study of *Candida albicans*

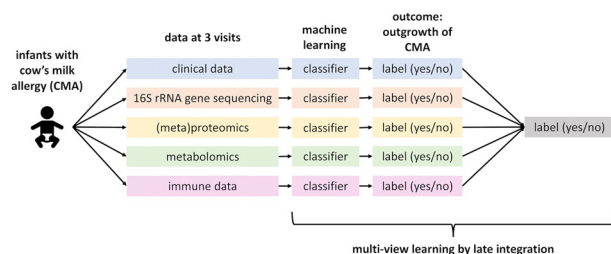
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Integrating N-glycan and CODEX imaging reveal cell-specific protein glycosylation in healthy human lung

Dušan Veličković,* Jeffrey Purkerson, Harsh Bhotika, Heidie Huyck, Jeremy Clair, Gloria S. Pryhuber and Christopher Anderton



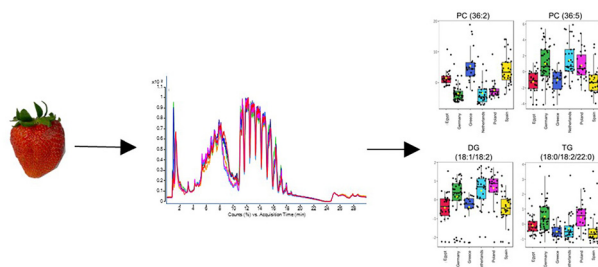
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A multi-omics machine learning classifier for outgrowth of cow's milk allergy in children

Diana M. Hendrickx, Mariyana V. Savova, Pingping Zhu, Ran An, Sjeff Boeren, Kelly Klomp, Sumanth K. Mutte, PRESTO study team, Harm Wopereis, Renate G. van der Molen, Amy C. Harms and Clara Belzer*

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Lipid profiling: proving the geographical origin of strawberries (*Fragaria* × *ananassa*) using a non-targeted LC-IM-MS approach

Johannes Brockelt, Felix Schmauder, Marina Creydt and Markus Fischer*

