

## Research

- 919 **Protein Profiles Associated With Context Fear Conditioning and Their Modulation by Memantine**  
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- 938 **Combined Proteomic and Transcriptomic Interrogation of the Venom Gland of *Conus geographus* Uncovers Novel Components and Functional Compartmentalization**  
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- 1020 **Quantitation of Human Metallothionein Isoforms: A Family of Small, Highly Conserved, Cysteine-rich Proteins**  
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- 1034 **Phosphoprotein Secretome of Tumor Cells as a Source of Candidates for Breast Cancer Biomarkers in Plasma**  
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- 1050 **Proteomics Analysis of Cancer Exosomes Using a Novel Modified Aptamer-based Array (SOMAscan<sup>TM</sup>) Platform**  
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On the cover: Metallothioneins are small, highly conserved cysteine rich proteins important for metal homeostasis. The twelve human isoforms, potential biomarkers for heavy metal toxicity and cancer, present special challenges for quantitative proteomics. Here, the unique N-terminal-acetylated tryptic peptides, representing a third of the intact protein and containing five cysteines each, are isolated and analyzed as a distinct cluster of peptides by LC-MS. For details, see the article by Aaron A. Mehus et al., pages 1020–1033.

- 1065 **A Targeted Quantitative Proteomics Strategy for Global Kinome Profiling of Cancer Cells and Tissues**  
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- 1095 **A Temporal Examination of the Planktonic and Biofilm Proteome of Whole Cell *Pseudomonas aeruginosa* PAO1 Using Quantitative Mass Spectrometry**  
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- 1119 **Advancing the High Throughput Identification of Liver Fibrosis Protein Signatures Using Multiplexed Ion Mobility Spectrometry**  
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