

Research

- 2042 **Functional Proteomics Identifies Acinus L as a Direct Insulin- and Amino Acid-Dependent Mammalian Target of Rapamycin Complex 1 (mTORC1) Substrate**
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- 2056 **A Systems Approach to Elucidate Heterosis of Protein Abundances in Yeast**
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- 2072 **Biochemical Large-Scale Interaction Analysis of Murine Olfactory Receptors and Associated Signaling Proteins with Post-Synaptic Density 95, Drosophila Discs Large, Zona-Occludens 1 (PDZ) Domains**
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- 2085 **A Combined Omics Approach to Generate the Surface Atlas of Human Naive CD4⁺ T Cells during Early T-Cell Receptor Activation**
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- 2111 **Bisecting Galactose as a Feature of N-Glycans of Wild-type and Mutant *Caenorhabditis elegans***
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- 2126 **Dynamic Proteome Response of *Pseudomonas aeruginosa* to Tobramycin Antibiotic Treatment**
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- 2138 **The Human Pathogen *Streptococcus pyogenes* Releases Lipoproteins as Lipoprotein-rich Membrane Vesicles**
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On the cover: Shown are four images from a time lapse movie of HeLa cells expressing Tubulin GFP (green) and Histone H2B mCherry (red). These cells were arrested in metaphase with the proteasome inhibitor MG132, and then treated with the Cdk1 inhibitor RO3306, producing a synchronized, phosphatase dependent form of mitotic exit. For details, see the article by Rachael A. McCloy, *et al.*, pages 2194–2212.

- 2150 **Development of Diagnostic Fragment Ion Library for Glycated Peptides of Human Serum Albumin: Targeted Quantification in Prediabetic, Diabetic, and Microalbuminuria Plasma by Parallel Reaction Monitoring, SWATH, and MS^E**
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