

## Mini-Review

- 2848 **Protein Neighbors and Proximity Proteomics**  
[S] ✎ Johanna S. Rees, Xue-Wen Li, Sarah Perrett, Kathryn S. Lilley, and Antony P. Jackson

## Research

- 2857 **Molecular Consequences of Proprotein Convertase 1/3 (PC1/3) Inhibition in Macrophages for Application to Cancer Immunotherapy: A Proteomic Study**  
[S] Marie Duhamel, Franck Rodet, Nadira Delhem, Fabien Vanden Abeele, Firas Kobeissy, Serge Nataf, Laurent Pays, Roxanne Desjardins, Hugo Gagnon, Maxence Wisztorski, Isabelle Fournier, Robert Day, and Michel Salzet
- 2878 **Heterogeneous Ribonucleoprotein K (hnRNP K) Binds miR-122, a Mature Liver-Specific MicroRNA Required for Hepatitis C Virus Replication**  
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- 2887 **Phosphoproteomic Analysis Identifies Focal Adhesion Kinase 2 (FAK2) as a Potential Therapeutic Target for Tamoxifen Resistance in Breast Cancer**  
[S] Xinyan Wu, Muhammad Saddiq Zahari, Santosh Renuse, Raja Sekhar Nirujogi, Min-Sik Kim, Srikanth S. Manda, Vered Stearns, Edward Gabrielson, Saraswati Sukumar, and Akhilesh Pandey
- 2901 **Proteomic Analysis of One-carbon Metabolism-related Marker in Liver of Rat Offspring**  
[S] Young-Ah You, Ji Hye Lee, Eun Jin Kwon, Jae Young Yoo, Woo-Sung Kwon, Myung-Geol Pang, and Young Ju Kim
- 2910 **Characteristic Changes in Cell Surface Glycosylation Accompany Intestinal Epithelial Cell (IEC) Differentiation: High Mannose Structures Dominate the Cell Surface Glycome of Undifferentiated Enterocytes**  
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- 2922 **NeuCode Labeling in Nematodes: Proteomic and Phosphoproteomic Impact of Ascarioside Treatment in *Caenorhabditis elegans***  
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- 2936 **Prediction of Recurrence and Survival for Triple-Negative Breast Cancer (TNBC) by a Protein Signature in Tissue Samples**  
[S] Mario Campone, Isabelle Valo, Pascal Jézéquel, Marie Moreau, Alice Boissard, Loic Campion, Delphine Loussouarn, Véronique Verrièle, Olivier Coqueret, and Catherine Guette
- 2947 **Machine Learning-based Classification of Diffuse Large B-cell Lymphoma Patients by Their Protein Expression Profiles**  
[S] ✎ Sally J. Deeb, Stefka Tyanova, Michael Hummel, Marc Schmidt-Supprian, Juergen Cox, and Matthias Mann

On the cover: Schematic depicting how PC1/3 inactivation impacts macrophage signaling, intracellular traffic and secretion of humoral factors such like proinflammatory cytokines, danger signal molecules and anti-tumoral factors via non-canonical secretion pathway (1) leading TLR4 activation (2) through MyD88-dependent pathway, promoting NF- $\kappa$ B level (3) its nuclear translocation (4) Ca<sup>2+</sup> mobilization (5) and, promoting multi vesicular bodies formation (6). For details, see the article by Marie Duhamel, *et al.*, pages 2857–2877.

- 2961 **Analysis of Phosphorylation-dependent Protein Interactions of Adhesion and Degranulation Promoting Adaptor Protein (ADAP) Reveals Novel Interaction Partners Required for Chemokine-directed T cell Migration**  
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- 3094 **Multiple Reaction Monitoring Enables Precise Quantification of 97 Proteins in Dried Blood Spots**  
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