

Research

- 2168 **O-Glycosylation of the N-terminal Region of the Serine-rich Adhesin Srr1 of *Streptococcus agalactiae* Explored by Mass Spectrometry**
[S] *Thibault Chaze, Alain Guillot, Benoît Valot, Olivier Langella, Julia Chamot-Rooke, Anne-Marie Di Guilmi, Patrick Trieu-Cuot, Shaynoor Dramsi, and Michel-Yves Mistou*
- 2183 **Profiling of the Chromatin-associated Proteome Identifies HP1BP3 as a Novel Regulator of Cell Cycle Progression**
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- 2198 **A Proteome-wide Domain-centric Perspective on Protein Phosphorylation**
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- 2233 **Rapid Mapping of Interactions between Human SNX-BAR Proteins Measured *In Vitro* by AlphaScreen and Single-molecule Spectroscopy**
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- 2277 **Membrane Protein Profiling of Human Colon Reveals Distinct Regional Differences**
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- 2288 **Global Analysis of S-nitrosylation Sites in the Wild Type (APP) Transgenic Mouse Brain-Clues for Synaptic Pathology**
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- 2306 **In-depth Proteomics Characterization of Embryogenesis of the Honey Bee Worker (*Apis mellifera ligustica*)**
[S] *Yu Fang, Mao Feng, Bin Han, Xiaoshan Lu, Haitham Ramadan, and Jianke Li*

On the cover: Illustrates the AlphaScreen nanobead assay, detecting interactions between two proteins. The blue donor bead is excited by a red laser (680 nm) and if the interaction between proteins occurs, the orange acceptor bead luminesces. The method was applied to measure propensity of dimer formation in the human SNX-BAR family. The background shows the color-coded heatmap of interactions obtained. For details, see the article by Emma Sierrecki, *et al.*, pages 2233–2245.

- 2321 **MicroRNA-205 Targets Tight Junction-related Proteins during Urothelial Cellular Differentiation**
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