

## Editorial

- 406 **For the Sake of Science**  
*Lila M. Gierasch, Nicholas O. Davidson, Kerry-Anne Rye, and Alma L. Burlingame*

## Research

- 408 **Dynamic Phosphoproteomics Uncovers Signaling Pathways Modulated by Anti-oncogenic Sphingolipid Analogs**  
[S] *Peter Kubiniok, Brendan T. Finicle, Fanny Piffaretti, Alison N. McCracken, Michael Perryman, Stephen Hanessian, Aimee L. Edinger, and Pierre Thibault*
- 423 **Secretome Dynamics in a Gram-Positive Bacterial Model**  
[S] *Konstantinos C. Tsolis, Mohamed Belal Hamed, Kenneth Simoens, Joachim Koepff, Tobias Busche, Christian Rückert, Marco Oldiges, Jörn Kalinowski, Jozef Anné, Jan Kormanec, Kristel Bernaerts, Spyridoula Karamanou, and Anastassios Economou*
- 437 **Integrated Genomic and Proteomic Analyses Reveal Novel Mechanisms of the Methyltransferase SETD2 in Renal Cell Carcinoma Development**  
[S] *Lin Li, Weili Miao, Ming Huang, Preston Williams, and Yinsheng Wang*
- 448 **Proteome-wide Tyrosine Phosphorylation Analysis Reveals Dysregulated Signaling Pathways in Ovarian Tumors**  
[S] *Guang Song, Li Chen, Bai Zhang, Qifeng Song, Yu Yu, Cedric Moore, Tian-Li Wang, le-Ming Shih, Hui Zhang, Daniel W. Chan, Zhen Zhang, and Heng Zhu*
- 461 **A High-throughput Bead-based Affinity Assay Enables Analysis of Genital Protein Signatures in Women At Risk of HIV Infection**  
*Anna Månberg, Frideborg Bradley, Ulrika Qundos, Brandon L. Guthrie, Kenzie Birse, Laura Noël-Romas, Cecilia Lindskog, Rose Bosire, James Kiarie, Carey Farquhar, Adam D. Burgener, Peter Nilsson, and Kristina Broliden*
- 477 **High-throughput Identification of FLT3 Wild-type and Mutant Kinase Substrate Preferences and Application to Design of Sensitive *In Vitro* Kinase Assay Substrates**  
[S] *Minervo Perez, John Blankenhorn, Kevin J. Murray, and Laurie L. Parker*
- 490 **HLA-DO Modulates the Diversity of the MHC-II Self-peptidome**  
[S] *Padma P. Nanaware, Mollie M. Jurewicz, John D. Leszyk, Scott A. Shaffer, and Lawrence J. Stern*
- 504 **Identification of Novel Protein Targets of Dimethyl Fumarate Modification in Neurons and Astrocytes Reveals Actions Independent of Nrf2 Stabilization**  
[S] *Gerardo G. Piroli, Allison M. Manuel, Tulsi Patel, Michael D. Walla, Liang Shi, Scott A. Lanci, Jingtian Wang, Ashley Galloway, Pavel I. Ortinski, Deanna S. Smith, and Norma Frizzell*

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On the cover: A comprehensive study combining shotgun and targeted proteomics identified a panel of 6 proteins (Calsyntenin-1, GluR4, Neurexin-2A, Neurexin-3A, Syntaxin-1B, Thy-1) detectable in cerebrospinal fluid that are specifically expressed at the human synapse (as depicted in the illustration). Cerebrospinal fluid levels were altered early in Alzheimer's disease, prior to markers of neurodegeneration. These synaptic markers could have clinical value for assessing disease progression. For details, see the article by Lleó *et al.*, pages 546-560.

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- 520 **Celastrol Protects From Cholestatic Liver Injury Through Modulation of SIRT1-FXR Signaling**  
 Qi Zhao, Fang Liu, Yan Cheng, Xue-Rong Xiao, Dan-Dan Hu, Ying-Mei Tang, Wei-Min Bao, Jin-Hui Yang, Tao Jiang, Jia-Peng Hu, Frank J. Gonzalez, and Fei Li
- 534 **Characterization of Endogenous Human Fc $\gamma$ RIII by Mass Spectrometry Reveals Site, Allele and Sequence Specific Glycosylation**  
 Nathaniel Washburn, Robin Meccariello, Jay Duffner, Kristen Getchell, Kimberly Holte, Thomas Prod'homme, Karunya Srinivasan, Robert Prenovitz, Jonathan Lansing, Ishan Capila, Ganesh Kaundinya, Anthony M. Manning, and Carlos J. Bosques
- 546 **Changes in Synaptic Proteins Precede Neurodegeneration Markers in Preclinical Alzheimer's Disease Cerebrospinal Fluid**  
 Alberto Lleó, Raúl Núñez-Llaves, Daniel Alcolea, Cristina Chiva, Daniel Balateu-Paños, Martí Colom-Cadena, Gemma Gomez-Giro, Laia Muñoz, Marta Querol-Vilaseca, Jordi Pegueroles, Lorena Rami, Albert Lladó, José L. Molinuevo, Mikel Tainta, Jordi Clarimón, Tara Spires-Jones, Rafael Blesa, Juan Fortea, Pablo Martínez-Lage, Raquel Sánchez-Valle, Eduard Sabidó, Àlex Bayés, and Olivia Belbin

## Technological Innovation and Resources

- 561 **Integrated Identification and Quantification Error Probabilities for Shotgun Proteomics**  
 Matthew The and Lukas Käll
- 571 **psims - A Declarative Writer for mzML and mzIdentML for Python**  
 Joshua Klein and Joseph Zaia
- 576 **A Curated Resource for Phosphosite-specific Signature Analysis**  
 Karsten Krug, Philipp Mertins, Bin Zhang, Peter Hornbeck, Rajesh Raju, Rushdy Ahmad, Matthew Szucs, Filip Mundt, Dominique Forestier, Judit Jane-Valbuena, Hasmik Keshishian, Michael A. Gillette, Pablo Tamayo, Jill P. Mesirov, Jacob D. Jaffe, Steven A. Carr, and D. R. Mani
- 594 **Simultaneous Quantification of Protein Expression and Modifications by Top-down Targeted Proteomics: A Case of the Sarcomeric Subproteome**  
 Ziqing Lin, Liming Wei, Wenxuan Cai, Yanlong Zhu, Trisha Tucholski, Stanford D. Mitchell, Wei Guo, Stephen P. Ford, Gary M. Diffey, and Ying Ge

## AUTHOR INDEX

- Ahmad, Rushdy, 576  
Alcolea, Daniel, 546  
Anné, Jozef, 423
- Balateu-Paños, Daniel, 546  
Bao, Wei-Min, 520  
Bayés, Àlex, 546  
Belbin, Olivia, 546  
Bernaerts, Kristel, 423  
Birse, Kenzie, 461  
Blankenhorn, John, 477  
Blesa, Rafael, 546  
Bosire, Rose, 461  
Bosques, Carlos J., 534  
Bradley, Frideborg, 461  
Broliden, Kristina, 461  
Burgener, Adam D., 461  
Burlingame, Alma L., 406  
Busche, Tobias, 423
- Cai, Wenxuan, 594  
Capila, Ishan, 534  
Carr, Steven A., 576  
Chan, Daniel W., 448  
Chen, Li, 448  
Cheng, Yan, 520  
Chiva, Cristina, 546  
Clarimón, Jordi, 546  
Colom-Cadena, Martí, 546
- Davidson, Nicholas O., 406  
Diffie, Gary M., 594  
Duffner, Jay, 534
- Economou, Anastassios, 423  
Edinger, Aimee L., 408
- Farquhar, Carey, 461  
Finicle, Brendan T., 408  
Ford, Stephen P., 594  
Forestier, Dominique, 576  
Fortea, Juan, 546  
Frizzell, Norma, 504
- Galloway, Ashley, 504  
Getchell, Kristen, 534  
Ge, Ying, 594  
Gierasch, Lila M., 406  
Gillette, Michael A., 576  
Gomez-Giro, Gemma, 546  
Gonzalez, Frank J., 520  
Guo, Wei, 594  
Guthrie, Brandon L., 461
- Hamed, Mohamed Belal, 423  
Hanessian, Stephen, 408  
Holte, Kimberly, 534  
Hornbeck, Peter, 576  
Huang, Ming, 437  
Hu, Dan-Dan, 520  
Hu, Jia-Peng, 520
- Jaffe, Jacob D., 576  
Jane-Valbuena, Judit, 576  
Jiang, Tao, 520  
Jurewicz, Mollie M., 490
- Käll, Lukas, 561  
Kalinowski, Jörn, 423  
Karamanou, Spyridoula, 423  
Kaundinya, Ganesh, 534  
Keshishian, Hasmik, 576  
Kiarie, James, 461  
Klein, Joshua, 571  
Koepff, Joachim, 423  
Kormanec, Jan, 423  
Krug, Karsten, 576  
Kubiniok, Peter, 408
- Lanci, Scott A., 504  
Lansing, Jonathan, 534  
Leszyk, John D., 490  
Lindskog, Cecilia, 461  
Lin, Ziqing, 594  
Li, Fei, 520  
Li, Lin, 437  
Liu, Fang, 520  
Lladó, Albert, 546  
Lleó, Alberto, 546
- Månberg, Anna, 461  
Mani, D. R., 576  
Manning, Anthony M., 534  
Manuel, Allison M., 504  
Martínez-Lage, Pablo, 546  
McCracken, Alison N., 408  
Meccariello, Robin, 534  
Mertins, Philipp, 576  
Mesirov, Jill P., 576  
Miao, Weili, 437  
Mitchell, Stanford D., 594  
Molinuevo, José L., 546  
Moore, Cedric, 448  
Mundt, Filip, 576  
Muñoz, Laia, 546  
Murray, Kevin J., 477
- Nanaware, Padma P., 490  
Nilsson, Peter, 461

Noël-Romas, Laura, 461  
Núñez-Llaves, Raúl, 546

Oldiges, Marco, 423  
Ortinski, Pavel I., 504

Parker, Laurie L., 477  
Patel, Tulsi, 504  
Pegueroles, Jordi, 546  
Perez, Minervo, 477  
Perryman, Michael, 408  
Piffaretti, Fanny, 408  
Piroli, Gerardo G., 504  
Prenovitz, Robert, 534  
Prod'homme, Thomas, 534

Querol-Vilaseca, Marta, 546  
Qundos, Ulrika, 461

Raju, Rajesh, 576  
Rami, Lorena, 546  
Rye, Kerry-Anne, 406  
Rückert, Christian, 423

Sabidó, Eduard, 546  
Sánchez-Valle, Raquel, 546  
Shaffer, Scott A., 490  
Shi, Liang, 504  
Shih, Ie-Ming, 448  
Simoens, Kenneth, 423  
Smith, Deanna S., 504  
Song, Guang, 448  
Song, Qifeng, 448

Spires-Jones, Tara, 546  
Srinivasan, Karunya, 534  
Stern, Lawrence J., 490  
Szucs, Matthew, 576

Tainta, Mikel, 546  
Tamayo, Pablo, 576  
Tang, Ying-Mei, 520  
The, Matthew, 561  
Thibault, Pierre, 408  
Tsolis, Konstantinos C., 423  
Tucholski, Trisha, 594

Walla, Michael D., 504  
Wang, Jingtian, 504  
Wang, Tian-Li, 448  
Wang, Yinsheng, 437  
Washburn, Nathaniel, 534  
Wei, Liming, 594  
Williams, Preston, 437

Xiao, Xue-Rong, 520

Yang, Jin-Hui, 520  
Yu, Yu, 448

Zaia, Joseph, 571  
Zhang, Bai, 448  
Zhang, Bin, 576  
Zhang, Hui, 448  
Zhang, Zhen, 448  
Zhao, Qi, 520  
Zhu, Heng, 448  
Zhu, Yanlong, 594