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## Prizes and Awards

### EliteForsk 2009 pris

Jensen, Ole Nørregaard (Recipient), 27. Jan 2009

### Juan Pablo Albar Proteomics Pioneer Award 2019

Jensen, Ole Nørregaard (Recipient), 12. Feb 2019

### MCP Lectureship Award

Jensen, Ole Nørregaard (Recipient), 23. Sep 2019

## Formal pedagogical training/education

1999 University teacher's training course

## Administrative tasks related to education

2010-2016 Head of Department of Biochemistry and Molecular Biology, SDU  
2016- Program coordinator, Int'l MSc program in Computational Biomedicine  
2009- Member of the board, Vestfyns Gymnasium, Glamsbjerg (high school)  
2014- Chairman of the Board, Vestfyns Gymnasium, Glamsbjerg (high school)

## Teaching (course responsible, teacher)

2000-2009 BM21 Biomedical Mass Spectrometry  
2001-2009 BMB205 PhD course in Proteomics and Mass spectrometry (10 ECTS)  
2006-2010 HUPO training courses in proteomics and bioinformatics  
2007-2011 EMBO Practical courses in Mass Spectrometry and Proteomics  
2016- Program coordinator, Int'l MSc program in Computational Biomedicine  
2017- BMB834 Protein Structure, Dynamics and Modeling (5 ECTS)  
2019- BMB542 Biomedical Mass Spectrometry (5 ECTS)  
2021- BMB511 Bioinformatics (5 ECTS)

## PhD-assessment committees and tenure/promotion assessments

Univ. Turku, KTH-Stockholm, Uppsala Univ, New York Univ, Univ. Michigan, Helsinki Univ, Lund Univ, Univ. Manchester, Univ. Aix-Marseille, Techn. Univ. Munich, Univ. Aalborg, Univ. Aarhus, Univ. Copenhagen.

## Supervision and mentoring

Past: 34 postdocs, 30 PhD students, 25 master's students and 25 undergraduates.  
Present: Two postdocs, 3 PhD students, 2 BSc students, 2 M.Sc. students.

## Research outputs

### Inactivation of the Schizophrenia-associated BRD1 gene in Brain Causes Failure-to-thrive, Seizure Susceptibility and Abnormal Histone H3 Acetylation and N-tail Clipping

Paternoster, V., Edhager, A. V., Qvist, P., Donskov, J. G., Shliaha, P., Jensen, O. N., Mors, O., Nielsen, A. L., Børglum, A. D., Palmfeldt, J. & Christensen, J. H., Sep 2021, In: Molecular Neurobiology. 58, 9, p. 4495-4505

**Real-world particulate matters induce lung toxicity in rats fed with a high-fat diet: Evidence of histone modifications**

Han, X., Tian, M., Shliaha, P. V., Zhang, J., Jiang, S., Nan, B., Alam, M. N., Jensen, O. N., Shen, H. & Huang, Q., 15. Aug 2021, In: *Journal of Hazardous Materials*. 416, 9 p., 126182.

**Silencing of ceramide synthase 2 in hepatocytes modulates plasma ceramide biomarkers predictive of cardiovascular death**

Schmidt, S., Gallego, S. F., Zelnik, I. D., Kovalchuk, S., Albæk, N., Sprenger, R. R., Øverup, C., Pewzner-Jung, Y., Futerman, A. H., Lindholm, M. W., Jensen, O. N. & Ejsing, C. S., 14. Aug 2021, (E-pub ahead of print) In: *Molecular Therapy*.

**Proteoform Differentiation using Tandem Trapped Ion Mobility, Electron Capture Dissociation, and ToF Mass Spectrometry**

Jeanne Dit Fouque, K., Kaplan, D., Voinov, V. G., Holck, F. H. V., Jensen, O. N. & Fernandez-Lima, F., 13. Jul 2021, In: *Analytical chemistry*. 93, 27, p. 9575–9582

**Complex-dependent histone acetyltransferase activity of KAT8 determines its role in transcription and cellular homeostasis**

Radziszewska, A., Shliaha, P. V., Grinev, V. V., Shlyueva, D., Damhofer, H., Koche, R., Gorshkov, V., Kovalchuk, S., Zhan, Y., Rodriguez, K. L., Johnstone, A. L., Keogh, M-C., Hendrickson, R. C., Jensen, O. N. & Helin, K., 15. Apr 2021, In: *Molecular Cell*. 81, 8, p. 1749-1765.e8

**Lipid molecular timeline profiling reveals diurnal crosstalk between the liver and circulation**

Sprenger, R. R., Hermansson, M., Neess, D., Becciolini, L. S., Sørensen, S. B., Fagerberg, R., Ecker, J., Liebisch, G., Jensen, O. N., Vance, D. E., Færgeman, N. J., Klemm, R. W. & Ejsing, C. S., 2. Feb 2021, In: *Cell Reports*. 34, 5, 23 p., 108710.

**A conserved, buried cysteine near the P-site is accessible to cysteine modifications and increases ROS stability in the P-Type plasma membrane H<sup>+</sup>-ATPase**

Welle, M., Pedersen, J. T., Ravnsborg, T., Hayashi, M., Maa, S., Becher, D., Jensen, O. N., Stöhr, C. & Palmgren, M., Feb 2021, In: *Biochemical Journal*. 478, 3, p. 619-632

**White adipose remodeling during browning in mice involves YBX1 to drive thermogenic commitment**

Rabiee, A., Plucińska, K., Isidor, M. S., Brown, E. L., Tozzi, M., Sidoli, S., Petersen, P. S. S., Agueda-Oyarzabal, M., Torsetnes, S. B., Chehabi, G. N., Lundh, M., Altıntaş, A., Barrès, R., Jensen, O. N., Gerhart-Hines, Z. & Emanuelli, B., Feb 2021, In: *Molecular Metabolism*. 44, 17 p., 101137.

**Zirconium(IV)-IMAC Revisited: Improved Performance and Phosphoproteome Coverage by Magnetic Microparticles for Phosphopeptide Affinity Enrichment**

Arribas Díez, I., Govender, I., Naicker, P., Stoychev, S., Jordaan, J. & Jensen, O. N., 1. Jan 2021, In: *Journal of Proteome Research*. 20, 1, p. 453–462

**Selective Enrichment of Histidine Phosphorylated Peptides Using Molecularly Imprinted Polymers**

Incel, A., Arribas Díez, I., Wierzbicka, C., Gajoch, K., Jensen, O. N. & Sellergren, B., 2021, In: *Analytical chemistry*. 93, 8, p. 3857–3866

**Visualization of the dynamics of histone modifications and their crosstalk using PTM-CrossTalkMapper**

Kirsch, R., Jensen, O. N. & Schwämmle, V., 1. Dec 2020, In: *Methods*. 184, p. 78-85

**Histo-molecular differentiation of renal cancer subtypes by mass spectrometry imaging and rapid proteome profiling of formalin-fixed paraffin-embedded tumor tissue sections**

Möginger, U., Marcussen, N. & Jensen, O. N., Nov 2020, In: *Oncotarget*. 11, 44, p. 3998-4015

**Combinatory Treatment of Canavanine and Arginine Deprivation Efficiently Targets Human Glioblastoma Cells via Pleiotropic Mechanisms**

Karatsai, O., Shliaha, P., Jensen, O. N., Stasyk, O. & Rędowicz, M. J., 30. Sep 2020, In: *Cells*. 9, 10

**PolySTest: Robust statistical testing of proteomics data with missing values improves detection of biologically relevant features**

Schwämmle, V., Hagensen, C. E., Rogowska-Wrzesinska, A. & Jensen, O. N., 1. Sep 2020, In: *Molecular & cellular proteomics* : MCP. 19, 8, p. 1396-1408

**Mutant FOXL2<sup>C134W</sup> Hijacks SMAD4 and SMAD2/3 to Drive Adult Granulosa Cell Tumors**

Weis-Banke, S. E., Lerdrup, M., Kleine-Kohlbrecher, D., Mohammad, F., Sidoli, S., Jensen, O. N., Yanase, T., Nakamura, T., Iwase, A., Stylianou, A., Abu-Rustum, N. R., Aghajanian, C., Soslow, R., Da Cruz Paula, A., Koche, R. P., Weigelt, B., Christensen, J., Helin, K. & Cloos, P. A. C., Sep 2020, In: *Cancer research*. 80, 17, p. 3466-3479

**Phosphoproteomic Analysis across the Yeast Life Cycle Reveals Control of Fatty Acyl Chain Length by Phosphorylation of the Fatty Acid Synthase Complex**

Martínez-Montañés, F., Casanovas, A., Sprenger, R. R., Topolska, M., Marshall, D. L., Moreno-Torres, M., Poad, B. L. J., Blanksby, S. J., Hermansson, M., Jensen, O. N. & Ejsing, C. S., 11. Aug 2020, In: *Cell Reports*. 32, 6, 108024.

**The effect of phytolectin overexpression on the plant proteome during nonhost response of barley (*Hordeum vulgare*) to wheat powdery mildew (*Blumeria graminis* f. sp. *tritici*)**

Andrzejczak, O. A., Sørensen, C. K., Wang, W-Q., Kovalchuk, S., Hagensen, C. E., Jensen, O. N., Carciofi, M., Hovmøller, M. S., Rogowska-Wrzesinska, A., Møller, I. M. & Hebelstrup, K. H., 8. Jun 2020, In: *Scientific Reports*. 10, 22 p., 9192.

**The Hypoxic Proteome and Metabolome of Barley (*Hordeum vulgare* L.) with and without Phytolectin Priming**

Andrzejczak, O. A., Havelund, J. F., Wang, W-Q., Kovalchuk, S., Hagensen, C. E., Hasler-Sheetal, H., Jensen, O. N., Rogowska-Wrzesinska, A., Møller, I. M. & Hebelstrup, K. H., 24. Feb 2020, In: *International Journal of Molecular Sciences*. 21, 4

**Middle-Down Proteomic Analyses with Ion Mobility Separations of Endogenous Isomeric Proteoforms**

Shliha, P. V., Gorshkov, V., Kovalchuk, S. I., Schwämmle, V., Baird, M. A., Shvartsburg, A. A. & Jensen, O. N., 2020, In: *Analytical chemistry*. 92, 3, p. 2364-2368

**Yeast Ppz1 protein phosphatase toxicity involves the alteration of multiple cellular targets**

Velázquez, D., Albacar, M., Zhang, C., Calafí, C., López-Malo, M., Torres-Torronteras, J., Martí, R., Kovalchuk, S. I., Pinson, B., Jensen, O. N., Daignan-Fornier, B., Casamayor, A. & Ariño, J., 2020, In: *Scientific Reports*. 10, 22 p., 15613.

**PRMT5 methylome profiling uncovers a direct link to splicing regulation in acute myeloid leukemia**

Radzishchenskaya, A., Shliha, P. V., Grinev, V., Lorenzini, E., Kovalchuk, S., Shlyueva, D., Gorshkov, V., Hendrickson, R. C., Jensen, O. N. & Helin, K., Nov 2019, In: *Nature Structural and Molecular Biology*. 26, 11, p. 999-1012 32 p.

**High-Resolution Differential Ion Mobility Separations/Orbitrap Mass Spectrometry without Buffer Gas Limitations**

Baird, M. A., Shliha, P. V., Anderson, G. A., Moskovets, E., Laiko, V., Makarov, A. A., Jensen, O. N. & Shvartsburg, A. A., 21. May 2019, In: *Analytical Chemistry*. 91, 10, p. 6918-6925

**FlashPack: Fast and simple preparation of ultra-high performance capillary columns for LC-MS**

Kovalchuk, S. I., Jensen, O. N. & Rogowska-Wrzesinska, A., 1. Feb 2019, In: *Molecular and Cellular Proteomics*. 18, 2, p. 383-390

**Differential Ion Mobility Separations/Mass Spectrometry with High Resolution in Both Dimensions**

Baird, M. A., Anderson, G. A., Shliha, P. V., Jensen, O. N. & Shvartsburg, A. A., 15. Jan 2019, In: *Analytical Chemistry*. 91, 2, p. 1479-1485 7 p.

**Selective enrichment of phosphorylated peptides by monolithic polymers surface imprinted with bis-imidazolium moieties by UV-initiated cryopolymerization**

Liu, M., Torsetnes, S. B., Wierzbicka, C., Jensen, O. N., Sellergren, B. & Irgum, K., 2019, In: *Analytical Chemistry*. 91, 15, p. 10188-10196

**Distinct Roles of Two Histone Methyltransferases in Transmitting H3K36me3-Based Epigenetic Memory Across Generations in *Caenorhabditis elegans***

Kreher, J., Takasaki, T., Cockrum, C., Sidoli, S., Garcia, B. A., Jensen, O. N. & Strome, S., 1. Nov 2018, In: *Genetics*. 210, 3, p. 969-982

**Maximizing Sequence Coverage in Top-Down Proteomics By Automated Multi-modal Gas-phase Protein Fragmentation**

Shliaha, P. V., Gibb, S., Gorshkov, V., Jespersen, M. S., Andersen, G. R., Bailey, D., Schwartz, J., Eliuk, S., Schwämmle, V. & Jensen, O. N., 25. Sep 2018, In: *Analytical Chemistry*. 90, 21, p. 12519-12526

**Extensive Characterization of Heavily Modified Histone Tails by 193 nm Ultraviolet Photodissociation Mass Spectrometry via a Middle-Down Strategy**

Greer, S. M., Sidoli, S., Coradin, M., Schack Jespersen, M., Schwämmle, V., Jensen, O. N., Garcia, B. A. & Brodbelt, J. S., Sep 2018, In: *Analytical Chemistry*. 90, 17, p. 10425-10433

**VSClust: Feature-based variance-sensitive clustering of omics data**

Schwämmle, V. & Jensen, O. N., Sep 2018, In: *Bioinformatics*. 34, 17, p. 2965-2972

**Evaluation of sample preparation methods for mass spectrometry-based proteomic analysis of barley leaves**

Wang, W. Q., Jensen, O. N., Møller, I. M., Hebelstrup, K. H. & Rogowska-Wrzesinska, A., 25. Aug 2018, In: *Plant Methods*. 14, 1, p. 1-13 72.

**Quantitative proteome and phosphoproteome analyses of *Streptomyces coelicolor* reveal proteins and phosphoproteins modulating differentiation and secondary metabolism**

Rioseras, B., Shliaha, P. V., Gorshkov, V., Yagüe, P., López-García, M. T., González-Quiñónez, N., Kovalchuk, S., Rogowska-Wrzesinska, A., Jensen, O. N. & Manteca, A., 1. Aug 2018, In: *Molecular and Cellular Proteomics*. 17, 8, p. 1591-1611

**Unraveling aging related histone PTM patterns by middle-down proteomics**

Jensen, O. N., 1. Jul 2018, In: *FEBS Open Bio*. 8, Suppl. 1, p. 18 1 p.

**Accurate H3K27 methylation can be established de novo by SUZ12-directed PRC2**

Højfeldt, J. W., Laugesen, A., Willumsen, B. M., Damhofer, H., Hedehus, L., Tvardovskiy, A., Mohammad, F., Jensen, O. N. & Helin, K., 1. Mar 2018, In: *Nature Structural and Molecular Biology*. 25, 3, p. 225-232

**How many human proteoforms are there?**

Aebersold, R., Agar, J. N., Amster, I. J., Baker, M. S., Bertozzi, C. R., Boja, E. S., Costello, C. E., Cravatt, B. F., Fenselau, C., Garcia, B. A., Ge, Y., Gunawardena, J., Hendrickson, R. C., Hergenrother, P. J., Huber, C. G., Ivanov, A. R., Jensen, O. N., Jewett, M. C., Kelleher, N. L., Kiessling, L. L. & 33 others, Krogan, N. J., Larsen, M. R., Loo, J. A., Ogorzalek Loo, R. R., Lundberg, E., MacCoss, M. J., Mallick, P., Mootha, V. K., Mrksich, M., Muir, T. W., Patrie, S. M., Pesavento, J. J., Pitteri, S. J., Rodriguez, H., Saghatelian, A., Sandoval, W., Schlüter, H., Sechi, S., Slavoff, S. A., Smith, L. M., Snyder, M. P., Thomas, P. M., Uhlén, M., Van Eyk, J. E., Vidal, M., Walt, D. R., White, F. M., Williams, E. R., Wohlschläger, T., Wysocki, V. H., Yates, N. A., Young, N. L. & Zhang, B., 14. Feb 2018, In: *Nature Chemical Biology*. 14, 3, p. 206-214

**Organic matter processing by microbial communities throughout the Atlantic water column as revealed by metaproteomics**

Bergauer, K., Fernandez-Guerra, A., Garcia, J. A. L., Sprenger, R. R., Stepanauskas, R., Pachiadaki, M. G., Jensen, O. N. & Herndl, G. J., 16. Jan 2018, In: *Proceedings of the National Academy of Sciences of the United States of America*. 115, 3, p. E400-E408

**Elucidation of histone proteoform dynamics during aging by using middle-down mass spectrometry**

Jensen, O. N., 2018.

**Linear and Differential Ion Mobility Separations of Middle-Down Proteoforms**

Garabedian, A., Baird, M. A., Porter, J., Jeanne Dit Fouque, K., Shliaha, P. V., Jensen, O. N., Williams, T. D., Fernandez-Lima, F. & Shvartsburg, A. A., 2018, In: *Analytical Chemistry*. 90, 4, p. 2918-2925

**Phosphoproteomics in Microbiology: Protocols for Studying *Streptomyces coelicolor* Differentiation**

Manteca, A., Rioseras, B., Rogowska-Wrzesinska, A. & Jensen, O. N., 2018, *Microbial Proteomics: Methods and Protocols*. Becher, D. (ed.). Humana Press, Vol. 1841. p. 249-260 (Methods in Molecular Biology).

**The tumor suppressor CIC directly regulates MAPK pathway genes via histone deacetylation**

Weissmann, S., Cloos, P. A., Sidoli, S., Jensen, O. N., Pollard, S. & Helin, K., 2018, In: *Cancer Research*. 78, 15, p. 4114-4125

**A biotin enrichment strategy identifies novel carbonylated amino acids in proteins from human plasma**

Havelund, J. F., Wojdyla, K., Davies, M. J., Jensen, O. N., Møller, I. M. & Rogowska-Wrzesinska, A., 3. Jan 2017, In: *Journal of Proteomics*. 156, p. 40-51

**Abnormal levels of histone methylation in the retinas of diabetic rats are reversed by minocycline treatment**

Wang, W., Sidoli, S., Zhang, W., Wang, Q., Wang, L., Jensen, O. N., Guo, L., Zhao, X. & Zheng, L., 2017, In: *Scientific Reports*. 7, 14 p., 45103.

**Accumulation of histone variant H3.3 with age is associated with profound changes in the histone methylation landscape**

Tvardovskiy, A., Schwämmle, V., Kempf, S. J., Rogowska-Wrzesinska, A. & Jensen, O. N., 2017, In: *Nucleic Acids Research*. 45, 16, p. 9272-9289

**Characterization of Complete Histone Tail Proteoforms Using Differential Ion Mobility Spectrometry**

Shliaha, P. V., Baird, M. A., Nielsen, M. M., Gorshkov, V., Bowman, A. P., Kaszycki, J. L., Jensen, O. N. & Shvartsburg, A. A., 2017, In: *Analytical Chemistry*. 89, 10, p. 5461-5466

**EZH2 is a potential therapeutic target for H3K27M-mutant pediatric gliomas**

Mohammad, F., Weissmann, S., Leblanc, B., Pandey, D. P., Højfeldt, J. W., Comet, I., Zheng, C., Johansen, J. V., Rapin, N., Porse, B. T., Tvardovskiy, A., Jensen, O. N., Olaciregui, N. G., Lavarino, C., Suñol, M., De Torres, C., Mora, J., Carcaboso, A. M. & Helin, K., 2017, In: *Nature Medicine*. 23, 4, p. 483-492

**Hierarchically templated beads with tailored pore structure for phosphopeptide capture and phosphoproteomics**

Wierzbicka, C., Torsetnes, S. B., Jensen, O. N., Shinde, S. & Sellergren, B., 2017, In: *RSC Advances*. 7, 28, p. 17154-17163 10 p.

**Molecularly Imprinted Porous Monolithic Materials from Melamine-Formaldehyde for Selective Trapping of Phosphopeptides**

Liu, M., Tran, T. M., Abbas Elhaj, A. A., Bøen Torsetnes, S., Jensen, O. N., Sellergren, B. & Irgum, K., 2017, In: *Analytical Chemistry*. 89, 17, p. 9491-9501

**Nuclear phosphoproteome analysis of 3T3-L1 preadipocyte differentiation reveals system-wide phosphorylation of transcriptional regulators**

Rabiee, A., Schwämmle, V., Sidoli, S., Dai, J., Rogowska-Wrzesinska, A., Mandrup, S. & Jensen, O. N., 2017, In: *Proteomics*. 17, 6, 5 p., 1600248.

**Phosphotyrosine biased enrichment of tryptic peptides from cancer cells by combining pY-MIP and TiO<sub>2</sub> affinity resins**

Bllaci, L., Torsetnes, S. B., Wierzbicka, C. K., Shinde, S., Sellergren, B., Rogowska-Wrzesinska, A. & Jensen, O. N., 2017, In: *Analytical Chemistry*. 89, 21, p. 11332-11340

**High-performance hybrid Orbitrap mass spectrometers for quantitative proteome analysis: Observations and implications**

Williamson, J. C., Edwards, A. V. G., Verano-Braga, T., Schwämmle, V., Kjeldsen, F., Jensen, O. N. & Larsen, M. R., Mar 2016, In: *Proteomics*. 16, 6, p. 907-914

**Dynamic changes of histone H3 marks during *Caenorhabditis elegans* lifecycle revealed by middle-down proteomics**

Sidoli, S., Vandamme, J., Salcini, A. E. & Jensen, O. N., 2016, In: *Proteomics*. 16, 3, p. 459-464

**Subcompartmentalization by cross-membranes during early growth of *Streptomyces* hyphae**

Yagüe, P., Willemse, J., Koning, R. I., Rioseras, B., López-García, M. T., Gonzalez-Quíñonez, N., Lopez-Iglesias, C., Shliha, P. V., Rogowska-Wrzesinska, A., Koster, A. J., Jensen, O. N., van Wezel, G. P. & Manteca, Á., 2016, In: Nature Communications. 7, 12467, 11 p.

**Systems Level Analysis of Histone H3 Post-translational Modifications (PTMs) Reveals Features of PTM Crosstalk in Chromatin Regulation**

Schwämmle, V., Sidoli, S., Ruminowicz, C., Wu, X., Lee, C-F., Helin, K. & Jensen, O. N., 2016, In: Molecular and Cellular Proteomics. 15, 8, p. 2715-2729

**NADH-Cytochrome b5 Reductase 3 Promotes Colonization and Metastasis Formation and Is a Prognostic Marker of Disease-Free and Overall Survival in Estrogen Receptor-Negative Breast Cancer**

Lund, R. R., Leth-Larsen, R., Caterino, T. D., Terp, M. G., Nissen, J., Lærnkholm, A-V., Jensen, O. N. & Ditzel, H. J., Nov 2015, In: Molecular and Cellular Proteomics. 14, 11, p. 2988-2999

**The human oral metaproteome reveals potential biomarkers for caries disease**

Belda-Ferre, P., Williamson, J., Simón-Soro, Á., Artacho, A., Jensen, O. N. & Mira, A., Oct 2015, In: Proteomics. 15, 20, p. 3497-3507

**Top-down and Middle-down Protein Analysis Reveals that Intact and Clipped Human Histones Differ in Post-translational Modification Patterns**

Tvardovskiy, A., Wrzesinski, K., Sidoli, S., Fey, S. J., Rogowska-Wrzesinska, A. & Jensen, O. N., 30. Sep 2015, In: Molecular and Cellular Proteomics. 14, 12, p. 3142-3153

**A laser ablation ICP-MS based method for multiplexed immunoblot analysis: applications to manganese-dependent protein dynamics of photosystem II in barley (*Hordeum vulgare* L.)**

de Bang, T. C., Petersen, J., Pedas, P. R., Rogowska-Wrzesinska, A., Jensen, O. N., Schjoerring, J. K., Jensen, P. E., Thelen, J. J. & Husted, S., Aug 2015, In: Plant Journal. 83, 3, p. 555-65

**Quantitative analysis of proteome and lipidome dynamics reveals functional regulation of global lipid metabolism**

Casanovas, A., Sprenger, R. R., Tarasov, K., Ruckerbauer, D. E., Hannibal-Bach, H. K., Zanghellini, J., Jensen, O. N. & Ejsing, C. S., 19. Mar 2015, In: Cell Chemical Biology. 22, 3, p. 412-25 14 p.

**Two distinct modes for propagation of histone PTMs across the cell cycle**

Alabert, C., Barth, T. K., Reverón-Gómez, N., Sidoli, S., Schmidt, A., Jensen, O. N., Imhof, A. & Groth, A., 15. Mar 2015, In: Genes & Development. 29, 6, p. 585-590 6 p.

**Targeted mass spectrometry analysis of the proteins IGF1, IGF2, IBP2, IBP3 and A2GL by blood protein precipitation**

Such-Sanmartín, G., Bache, N., Callesen, A. K., Rogowska-Wrzesinska, A. & Jensen, O. N., 15. Jan 2015, In: Journal of Proteomics. 113, p. 29-37 9 p.

**Detection and differentiation of 22kDa and 20kDa Growth Hormone proteoforms in human plasma by LC-MS/MS**

Sanmartín, G. S., Bache, N., Bosch, J., Gutierrez-Gallego, R., Segura, J. & Jensen, O. N., 2015, In: B B A - Proteins and Proteomics. 1854, 4, p. 284-290

**H3K23me2 is a new heterochromatic mark in *Caenorhabditis elegans***

Vandamme, J., Sidoli, S., Mariani, L., Friis, C., Christensen, J., Helin, K., Jensen, O. N. & Salcini, A. E., 2015, In: Nucleic Acids Research. 43, 20, p. 9694-9710

**Modulation of cell metabolic pathways and oxidative stress signaling contribute to acquired melphalan resistance in multiple myeloma cells**

Zub, K. A., Sousa, M. M. L. D., Sarno, A., Sharma, A., Demirovic, A., Rao, S., Young, C., Aas, P. A., Ericsson, I., Sundan, A., Jensen, O. N. & Slupphaug, G., 2015, In: PLOS ONE. 10, 3, 20 p., e0119857.

**Tumor suppressor ASXL1 is essential for the activation of INK4B expression in response to oncogene activity and anti-proliferative signals**

Wu, X., Bekker-Jensen, I. H., Christensen, J., Rasmussen, K. D., Sidoli, S., Qi, Y., Kong, Y., Wang, X., Cui, Y., Xiao, Z., Xu, G., Williams, K., Rappsilber, J., Sønderby, C. K., Winther, O., Jensen, O. N. & Helin, K., 2015, In: Cell Research. 25, 11, p. 1205–1218

**FBXO22 Protein Is Required for Optimal Synthesis of the N-Methyl-d-Aspartate (NMDA) Receptor Coagonist d-Serine**

Dikopoltsev, E., Foltyn, V. N., Zehl, M., Jensen, O. N., Mori, H., Radziszewsky, I. & Wolosker, H., 5. Dec 2014, In: Journal of Biological Chemistry. 289, 49, p. 33904-15

**Global mass spectrometry and transcriptomics array based drug profiling provides novel insight into glucosamine induced endoplasmic reticulum stress**

Carvalho, A. S., Ribeiro, H., Voabil, P., Penque, D., Jensen, O. N., Molina, H. & Matthiesen, R., Dec 2014, In: Molecular & Cellular Proteomics. 13, 12, p. 3294-307

**Middle-down hybrid chromatography/tandem mass spectrometry workflow for characterization of combinatorial post-translational modifications in histones**

Sidoli, S., Schwämmle, V., Ruminowicz, C., Hansen, T. A., Wu, X., Helin, K. & Jensen, O. N., Oct 2014, In: Proteomics. 14, 19, p. 2200-11 12 p.

**Proteomics in chromatin biology and epigenetics**

Vondriska, T. M. & Jensen, O. N., Oct 2014, In: Proteomics. 14, 19, p. 2105-8 4 p.

**Isolation of Mitochondria from Potato Tubers**

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**Selective renal vasoconstriction, exaggerated natriuresis and excretion rates of exosomal proteins in essential hypertension**

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