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Education

2006.01-2009.11	PhD in Biochemistry	University of Southern Denmark, Odense, Denmark
2004.01-2005.12	MSc in Biochemistry	University of Southern Denmark, Odense, Denmark

Professional Experience

2010.02-2012.01	Postdoctoral Fellow	Macquarie University, Sydney, Australia
2012.02-2014.05	Postdoctoral Fellow	Macquarie University, Sydney, Australia
2014.06-Present	Group Leader	Macquarie University, Sydney, Australia

Publications

1. Thaysen-Andersen M, Højrup P. Enrichment and Characterization of Glycopeptides From Gel-separated Glycoproteins. *Am. Biotech. Lab.* 24(6):14-17.2006.
2. Thaysen-Andersen M, Jørgensen SB, Wilhelmsen ES, Petersen JW, Højrup P. Investigation of the Detoxification Mechanism of Formaldehyde-Treated Tetanus Toxin. *Vaccine*. 25(12):2213-27. 2007.
3. Thaysen-Andersen M, Thøgersen IB, Nielsen HJ, Lademann U, Brünnner N, Enghild J, Højrup P. Rapid and individual-specific glycoprofiling of the low abundance N-glycosylated protein tissue inhibitor of metalloproteinases-1. *Mol Cell Proteomics*. 6(4):638-47. 2007.
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6. Holten-Andersen L, Jensen SB, Bardow A, Harslund J, Thaysen-Andersen M, Lademann U,

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7. Dissing-Olesen L* and Thaysen-Andersen M*, Meldgaard M, Højrup P, Finsen B. The function of the human interferon-beta 1a glycan determined in vivo. *J Pharm. Exp. Therap.* 326: 338-347.2008. (* These authors contributed equally)
 8. Thaysen-Andersen M, Mysling S, Højrup P. Site-specific glycoprofiling of N-linked glycopeptides using MALDI-TOF MS: strong correlation between signal strength and relative quantities. *Anal. Chem.* 81(10):3933-43. 2009.
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 11. Kondo A, Thaysen-Andersen M, Hjernø K, Jensen ON. Characterization of sialylated and fucosylated glycopeptides of beta2-glycoprotein I by a combination of HILIC and MALDI Q-TOF MS/MS. *J. Sep. Sci.* 33(6-7):891-902. 2010.
 12. Mysling S, Palmisano G, Højrup P, Thaysen-Andersen M. Utilizing ion-pairing hydrophilic interaction chromatography solid phase extraction for efficient glycopeptide enrichment in glycoproteomics. *Anal. Chem.* 82(13):5598-609. 2010.
 13. Møllegaard KM, Duus K, Træholt SD, Thaysen-Andersen M, Liu Y, Palma AS, Feizi T, Hansen PR, Højrup P, Houen G. The interaction of calreticulin with immunoglobulin G and immunoglobulin Y. *Biochim Biophys Acta.* 1814(7):889-899, 2011.
 14. Graham ME, Thaysen-Andersen M, Bache N, Craft GE, Larsen MR, Packer NH, Robinson PJ. A novel post-translational modification in nerve terminals: O-linked N-acetylglucosamine phosphorylation. *J Proteome Res.* 10(6):2725-2733, 2011.
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- structure dictates formation of *N*-glycan type, core fucosylation and branching. *Glycobiology*. 22(11):1440-1452. 2012.
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 21. Sumer-Bayraktar Z, Nguyen-Khuong T, Jayo R, Chen DDY, Ali S, Packer NH, Thaysen-Andersen M. Micro- and Macro-Heterogeneity of *N*-Glycosylation yields Size and Charge Isoforms of Human Sex Hormone-Binding Globulin Circulating in Serum. *Proteomics*. 12(22):3315-3327. 2012.
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50. Parker BL, Thaysen-Andersen M, Fazakerley DJ, Holliday M, Packer NH, James DE. Terminal galactosylation and sialylation switching on membrane glycoproteins upon TNF-alpha-induced insulin resistance in adipocytes. *Mol Cell Proteomics*, Accepted November 5, 2015).