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Education:

15.12.2000 Master of Science in Molecular Biology at University of Southern Denmark (SDU)
14.03.2006 PhD in Health Sciences: Physiology at SDU

Positions:

2001 Research Assistant at Physiology and Pharmacology, SDU
2001 Research Assistant, Dept. of Anatomy, Charité-Humboldt University, Berlin, Germany
2002 Research Assistant, Dept. of Urology, Copenhagen District Hospital, Herlev, Denmark
2002-2006 Ph.d.-student, Dept. of Physiology and Pharmacology, IMB, SDU
2006-2009 Post doctoral fellow, University of Pennsylvania, Philadelphia, USA.
2009-2012 Assistant Professor, CVR, IMM, SDU
2012-present: Associate Professor, CVR, IMM, SDU
2012-present: Member of the Elite Centre of Individualized Medicine in Arterial Diseases(CIMA), Odense University Hospital

Awards:

Recipient of the Leo Pharma hypertension award at the Danish hypertension society in 2003, 2004, and 2010

Publications:

My research interest: Cardiovascular disease models of atherosclerosis and abdominal aorta aneurysm and vascular remodeling with the focus of the role of prostanoids and the impact of immune cells and extracellular matrix remodeling and always with a translational focus.

Selected papers:

1.Stubbe,J.*, *Song,W.L.*, Ricciotti, E., Alamuddin, N., Ibrahim, S., Critchon, I., Prempeh, M., Lawson, J.A., Wilensky, R., Rasmussen, L.M., Puré, E., FitzGerald, G.A. Niacin and biosynthesis of PGD2 by platelet COX-1 in mice and humans. *J Clin Invest*, 2; 122(4):1459-68, 2012. (* shared co-first author)

2.Eskildsen, M. P., Hansen, P.B. L., Stubbe, J., Walter, S., Marcussen, N., Hartwigsen, A., Rasmussen, L. M., Vanhoutte, P, Jensen, B. L. PGI2 and PGE2 modulate human intrarenal artery contractility through prostanoid receptors EP4, IP and TP. *Hypertension*. 2014 Sep;64(3):551-6.

3.Poulsen, J., Stubbe, J., & Lindholt, J.S. Animal models used to explore abdominal aortic aneurysms - a systematic review. *Eur J Vasc Endovasc Surg* (2016) 52, 487e499

4.Wintmo P, Johansen SH, Hansen PBL, Lindholt JS, Urbonavicius S, Rasmussen LM, Bie P, Jensen BL, Stubbe J. The water channel AQP1 is expressed in human atherosclerotic vascular lesions and AQP1 deficiency augments angiotensin II-induced atherosclerosis in mice. *Acta Physiol (Oxf)*. 2017 Aug;220(4):446-460.

5.Stubbe, J, Skov V., Thiesson, H. C., Larsen, K-E., Hansen, M. L., Jensen, B.L., Jespersen, B. and Rasmussen, L. M. Identification of differential gene expression patterns in human arteries from patients with chronic kidney disease. *Am J Physiol Renal Physiol* 314: F1117-F1128, 2018

6.Andersen, C.B., Lindholt, J. S., Urbonavicius, S. , Halekoh, U., Søndergaard Jensen, P., Stubbe, J., Rasmussen, L.M., Beck, H.C. Abdominal Aortic Aneurysms Growth Is Associated With High Concentrations of Plasma Proteins in the Intraluminal Thrombus and Diseased Arterial Tissue. *Arterioscler Thromb Vasc Biol*. 2018; 38:2254-2267. DOI: 10.1161/ATVBAHA.117.310126.

7.Effect of Spironolactone for One Year on Endothelial Function and Vascular Inflammation in Renal Transplant

Recipients. Mortensen LA, Bistrup C, Stubbe J, Carlström M, Checa A, Wheelock CE, Palarasah Y, Bladbjerg EM, Thiesson HC, Jensen BL. *Am J Physiol Renal Physiol.* 317, 3, s. F529-F539, 2019 PMID:31166706

8. TNF deficiency causes alterations in the spatial organization of neurogenic zones and alters the number of microglia and neurons in the cerebral cortex. Yli-Karjanmaa, M. L. K., Larsen, K. S., Fenger, C., Kristensen, L. K., Martin, N. A., Jensen, P. T., Breton, A., Nathanson, L., Nielsen, P. V., Lund, M. C., Lindeman Carlsen, S., Gramsbergen, J. B., Finsen, B., Stubbe, J., Frich, L. H., Stolp, H., Brambilla, R., Anthony, D., Meyer, M. & Lambertsen, K. L., *Brain, Behavior, and Immunity.* 82, s. 279-297, 2019

9. Nephrotic syndrome is associated with increased plasma K⁺ concentration, intestinal K⁺ losses and attenuated urinary K⁺ excretion – studies in rats and humans. R. Ydegaard, P. Svenningsen, C. Bistrup, R. Andersen, J. Stubbe, K. Buhl, N. Marcussen, G. Hinrichs, H. Iraqi, R. Zamani, H. Dimke, B.L. Jensen. *Am J Physiol Renal Physiol.* 317, 6, s. F1549-F1562, 2019

Managerial experience:

2011-2012: course: Career development program for young female scientists

2014: course: Project management 2 (SDU)

2015: course: project management 3 (SDU)

2016: Organizer of 1st Translational Meeting on Inflammation between SDU and Odense University Hospital (participants 67)

2018-2019: Introduction to leader management, SDU

2018- present: board member of the Danish Hypertension Society

Editorial work and evaluations:

Reviewer for *Acta Physiologica* and *British Journal of Pharmacology*, *J of hypertension*, *Frontiers in Physiology and pharmacology*. Guest editor for the Special Issue 'Cardiovascular Inflammation' in *Mediators of Inflammation*. Evaluations of 3 phd theses, 5 undergraduate theses.

Supervision and teaching responsibilities:

I am currently supervisor /co-supervisor for 4 ph.d. student and 3 master students and 3 bachelorstudent. I have previously supervised 1 guest MD researcher; 3 phD students, 5 pregraduate, 2 medical elite-master students and 15 bachelor students.

I am course director and teaching on the undergraduate course in *Medical Physiology* for biomedicine and welfare engineer students (200 students/year). I am teaching undergraduate medical and biomechanical students *endocrine physiology* (220 students/semester). I have organized 4 courses in *anatomy, physiology and pharmacology* for undergraduate pharmacist students (90 students/semester). I am currently teaching in one of the modules. I am a member of *Science-Health Committee* dealing with challenges related to interdisciplinary teaching.

International collaborators and mentors:

Professor Garret A. FitzGerald, University of Pennsylvania, USA, Professor Ying Yu, Institute for Nutritional Sciences, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China. Professor Paul Vanhoutte, University of Hong Kong, China. Associate Professor Guo Ping Shi, Harvard University, USA, Professor David David Rumschitzki, New York city College, USA. Senior Director of Biotherapeutics David E. Szymkowski, Xencor, Monrovia, CA, USA.