

## PUBLICATION LIST

**Orchid ID** orcid.org/0000-0002-4474-9553

Total peer reviewed publications: 20, hereof research papers 18 and invited reviews 2

*Statistics (Web of Science)*

Total number of publications: 19

h-index: 8

Publications as first / last / single /co- author: 9/0/0/11

Publications during the most recent 5 years: 13

### *Published / accepted papers*

1. **Bloksgaard M**, Thorstedt B, Brewer JR, De Mey JGR. *Assessing collagen and elastin pressure-dependent microarchitectures in live, human resistance arteries by label-free fluorescence microscopy*, JoVE [invited paper, *In Press* Dec 19<sup>th</sup> 2017]
2. Leurgans TM, **Bloksgaard M**, Irmukhamedov A, Riber LP, De Mey JGR. *Relaxing Responses to Hydrogen Peroxide and Nitric Oxide in Human Pericardial Resistance Arteries Stimulated with Endothelin-1* Basic Clin Pharmacol Toxicol. 2017 Jul 7. doi: 10.1111/bcpt.12843. [Epub ahead of print]
3. **Bloksgaard M**, Leurgans TM, Spronck B, Heusinkveld MHG, Thorsted B, Rosenstand K, Nissen I, Hansen UM, Brewer JR, Bagatolli LA, Rasmussen LM, Irmukhamedov A, Reesink KD, De Mey JGR, *Imaging and modeling of acute pressure-induced changes of collagen and elastin microarchitectures in pig and human resistance arteries*, Am J Physiol Heart Circ Physiol. 2017 Apr 21;ajpheart.00110.2017. doi: 10.1152/ajpheart.00110.2017. [Epub ahead of print]
4. Bai B, Man AW, Yang K, Guo Y, Xu C, Tse HF, Han W, **Bloksgaard M**, **De Mey JG**, Vanhoutte PM, Xu A, Wang Y. *Endothelial SIRT1 prevents adverse arterial remodeling by facilitating HERC2-mediated degradation of acetylated LKB1*. Oncotarget. 2016 May 29. doi: 10.18632/oncotarget.9687. [Epub ahead of print]
5. Leurgans T, **Bloksgaard M**, Fredgart MH, Lyck Hansen M, Melholt Rasmussen L, Irmukhamedov A, **De Mey J.G.R.** *Endothelin-1 shifts the mediator of bradykinin-induced relaxation from NO to H<sub>2</sub>O<sub>2</sub> in resistance arteries from cardiovascular disease patients*. Br J Pharmacol. 2016 Feb 23. doi: 10.1111/bph.13467. [Epub ahead of print]
6. Thorsted B, **Bloksgaard M**, Groza A, Schousboe LP, Færgeman NJ, Sørensen JA, Svane-Knudsen V, **Brewer JR**. *Biochemical and Bioimaging Evidence of Cholesterol in Acquired Cholesteatoma*, Ann Otol Rhinol Laryngol. 2016 Aug;125(8):627-33. doi: 10.1177/0003489416642784. Epub 2016 Apr 15
7. Bek S, Neess D, Dixen K, **Bloksgaard M**, Marcher AB, Chemnitz J, Færgeman N, Mandrup S, *Compromised epidermal barrier stimulates Harderian gland activity and hypertrophy in ACBP-/- mice*, JLR2015 Sep;56(9):1738-46.
8. **Bloksgaard M**, Leurgans TM, Nissen I, Jensen PS, Hansen ML, **Brewer JR**, Bagatolli LA, Marcussen N, Irmukhamedov A, Rasmussen LM, De Mey JGR, *Elastin organization in pig and cardiovascular disease patients' pericardial resistance arteries*, J. Vasc.Res.2015 (1): 1-11 DOI: 10.1159/000376548
9. **Bloksgaard M**, Neess D, Færgeman NJ, Mandrup S, *Acyl-CoA binding protein and epidermal barrier function*, Biochim Biophys Acta. 2014 Mar;1841(3):369-76. Review
10. **Bloksgaard M**, **Brewer J**, Pashkovski E, Ananthapadmanabhan KP, Sørensen JA, and Bagatolli LA, *Effect of detergents on the physico-chemical properties of skin stratum corneum: A two-photon excitation fluorescence microscopy study*. Int J Cosmet Sci. 2014, Feb 36, 39–45
11. Neess D, Bek S, **Bloksgaard M**, Marcher AB, Færgeman N, Mandrup S, *Delayed Hepatic Adaptation to Weaning in ACBP-/- Mice is caused by Disruption of the Epidermal Barrier*, Cell Rep. 2013 Dec 12;5(5):1403-12
12. **Bloksgaard M**<sup>§</sup>, **Brewer J**<sup>§</sup>, Bagatolli LA. *Structural and dynamical aspects of skin studied by multiphoton excitation fluorescence microscopy-based methods*, <sup>§</sup>Shared first author, Eur J Pharm Sci. 2013 Dec 18;50(5):586-94 Review.

13. Brewer J, **Bloksgaard** M, Kubiak J, Sørensen JA, Bagatolli LA. *Spatially resolved two-color diffusion measurements in human skin applied to transdermal liposome penetration*. J Invest Dermatol. 2013 May;133(5):1260-8. doi: 10.1038/jid.2012.461. Epub 2012 Dec 6.
14. **Bloksgaard** M, Bek S, Marcher AB, Neess D, Brewer J, Hannibal-Bach HK, Helledie T, Fenger C, Due M, Berzina Z, Neubert R, Chemnitz J, Finsen B, Clemmensen A, Wilbertz J, Saxtorph H, Knudsen J, Bagatolli L, Mandrup S. *The acyl-CoA binding protein is required for normal epidermal barrier function in mice*. J Lipid Res. 2012 Oct;53(10):2162-74.
15. Iwai I, Han H, den Hollander L, Svensson S, Ofverstedt LG, Anwar J, **Brewer J, Bloksgaard** M, Laloef A, Nosek D, Masich S, Bagatolli LA, Skoglund U, Norlén L. *The human skin barrier is organized as stacked bilayers of fully extended ceramides with cholesterol molecules associated with the ceramide sphingoid moiety*. J Invest Dermatol. 2012 Sep;132(9):2215-25.
16. Langaa S, **Bloksgaard** M, Bek S, Neess D, Nørregaard R, Hansen PB, Marcher AB, Frøkiær J, Mandrup S, Jensen BL. *Mice with targeted disruption of the acyl-CoA binding protein display attenuated urine concentrating ability and diminished renal aquaporin-3 abundance*. Am J Physiol Renal Physiol. 2012 Apr 15;302(8):F1034-44. doi: 10.1152/ajprenal.00371.2011. Epub 2012 Jan 11.
17. **Bloksgaard** M, Svane-Knudsen V, Sørensen JA, Bagatolli L, **Brewer J**. *Structural characterization and lipid composition of acquired cholesteatoma: a comparative study with normal skin*. Otol Neurotol. 2012 Feb;33(2):177-83. doi: 10.1097/MAO.0b013e318241be63.
18. Neess D<sup>§</sup>, **Bloksgaard** M<sup>§</sup>, Sørensen SB, Marcher A-B, Elle IC, Helledie T et al. *Disruption of the acyl-CoA binding protein gene delays hepatic adaptation to metabolic changes at weaning*. <sup>§</sup>shared first author Journal of Biological Chemistry. 2011;286:3460-3472.
19. Carobbio S, Frigerio F, Rubi B, Vetterli L, **Bloksgaard** M, Gjinovci A, Pournourmohammadi S, Herrera PL, Reith W, Mandrup S, Maechler P, *Deletion of Glutamate Dehydrogenase in  $\beta$ -Cells Abolishes Part of the Insulin Secretory Response Not Required for Glucose Homeostasis*, J. Biol. Chem., Jan 2009; 284: 921 - 929.
20. Sandberg MB, **Bloksgaard** M, Duran-Sandoval D, Duval C, Staels B, Mandrup S, *The Gene Encoding Acyl-CoA-binding Protein Is Subject to Metabolic Regulation by Both Sterol Regulatory Element-binding Protein and Peroxisome Proliferator-activated Receptor  $\alpha$  in Hepatocytes*, J. Biol. Chem., Feb 2005; 280: 5258 - 5266.

**Ph.D. thesis:** The role of Acyl-CoA Binding Protein in skin – a functional investigation by targeted disruption, 2010, University of Southern Denmark

**TV2Fyn/Viden+;** 10-minute video in Danish about my PhD project (11.02.2010)

#### **Submitted manuscripts**

21. Elie AGIM, **Bloksgaard** M, Sun WY, Yang K, Man AWC, Xu A, Irmukhamedov A, Riber LP, Wang Y, De Mey JGR, *Local Enrichment of Leptin, Lipocalin-2 and Fatty Acid-Binding Protein 4 in the 1 Pericardial Cavity of Cardiovascular Disease Patients*, submitted to PLoS ONE

#### **Manuscripts in preparation**

22. De Mey JGR, Leurgans TM, Elie AGIM, Nissen KD, Hansen S, Nissen I, Rosenstand R, Sun WY, Yang K, Xu A, Marcussen N, Irmukhamedov A, Riber LP, Rasmussen LM, Wang Y, **Bloksgaard** M. *Independent Structural and Contractile Phenotypes of Resistance Arteries from 1 Cardiothoracic Surgery Patients*.
23. **Bloksgaard** M, Leurgans TM, Rasmussen LM, Riber LP, Irmukhamedov A, De Mey JGR, *Combined chronic treatment with  $\beta$ -blocker and inhibitor of the renin-angiotensin system decreases human resistance artery stiffness in hypertensive patients*
24. **Bloksgaard** M, Svenningsen, ÅF, Kjaer, C, *Getting a grip on pharmacology – the effect of blended learning on students' acquisition of higher order thinking skills*.