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Employments

Adjunkt

Nyre- og Karforskning
K benhavns Universitet
K benhavn N.
31 dec. 2014 → nu

Adjunkt

Nyre- og Karforskning
K benhavns Universitet
K benhavn N.
1 jan. 2015 → nu

Postdoc

Neuronal Signalling
K benhavns Universitet
K benhavn N., Danmark
1 sep. 2015 → 3 maj 2017

Adjunkt

Molecular and Translational Pharmacology
K benhavns Universitet
K benhavn N.
1 jul. 2019 → 3 apr. 2021

Reservel ge i introduktionsstilling

Copenhagen University Hospital - Rigshospitalet
K benhavn, Danmark
1 nov. 2015 → 31 okt. 2017

KBU

1 feb. 2013 → 31 jan. 2014

Post Doc stipendiat

Aarhus Universitet, Institut for Biomedicin
 rhus, Danmark
1 jul. 2012 → 31 dec. 2014

phd-stipendiat

Aarhus Universitet, Institut for Biomedicin
 rhus, Danmark

1 feb. 2009 → 1 apr. 2012

Publikationer

A Vasopressin-Induced Change in Prostaglandin Receptor Subtype Expression Explains the Differential Effect of PGE₂ on AQP2 Expression

Deen, P. M. T., Boone, M., Schweer, H., Olesen, Emma Tina Bisgaard, Carmone, C., Wetzels, J. F. M., Fenton, R. A. & Kortenoeven, M. L. A., 2022, I: *Frontiers in Physiology*. 12, 13 s., 787598.

Aquaporin 2 regulation: implications for water balance and polycystic kidney diseases

Olesen, Emma Tina Bisgaard & Fenton, R. A., 2021, I: *Nature Reviews Nephrology*. 17, s. 765–781

Distinct Roles of Extracellular Domains in the Epstein-Barr Virus-Encoded BILF1 Receptor for Signaling and Major Histocompatibility Complex Class I Downregulation

Fares, S., Spiess, Katja, Olesen, Emma Tina Bisgaard, Zuo, J., Jackson, S., Kledal, T. N., Wills, M. R. & Rosenkilde, Mette, 2019, I: *mBio*. 10, 1, e01707-18.

Rapid Aldosterone-Mediated Signaling in the DCT Increases Activity of the Thiazide-Sensitive NaCl Cotransporter

Cheng, L., Poulsen, S. B., Wu, Q., Esteva-Font, C., Olesen, Emma Tina Bisgaard, Peng, L., Olde, B., Leeb-Lundberg, L. M. F., Pisitkun, T., Rieg, T., Dimke, H. & Fenton, R. A., 2019, I: *Journal of the American Society of Nephrology*. 30, 8, s. 1453-1469

The Gβγ-subunit interacts directly with aquaporin-2 (AQP2) and regulates its membrane targeting

Olesen, Emma Tina Bisgaard, Poulsen, S. B., Rosenkilde, Mette, Sørensen, Charlotte Mehlin & Fenton, R. A., 2018.

Acute Aldosterone-mediated Signaling Networks in Distal Convolved Tubules

Cheng, L., Wu, Q., Olesen, Emma Tina Bisgaard, Peng, L., Pisitkun, T. & Fenton, R., 2017, I: *F A S E B Journal*. 31, S1, 1 s., 857.10.

Aquaporin-2 membrane targeting: still a conundrum

Olesen, Emma Tina Bisgaard & Fenton, R. A., 2017, I: *American Journal of Physiology: Renal Physiology*. 312, 4, s. F744-F747

The Vasopressin Type-2 Receptor and Prostaglandin Receptors EP2 and EP4 can Increase Aquaporin-2 Plasma Membrane Targeting Through a cAMP Independent Pathway

Olesen, Emma Tina Bisgaard, Moeller, H. B., Assentoft, M., MacAulay, Nanna & Fenton, R. A., 1 nov. 2016, I: *American Journal of Physiology: Renal Physiology*. 311, 5, s. F935-F944 10 s.

Gβγ Signaling Regulates Aquaporin-2 Trafficking and Urinary Concentration

Olesen, Emma Tina Bisgaard, Poulsen, S. B., MacAulay, Nanna, Rieg, T. & Fenton, R. A., apr. 2016, I: *F A S E B Journal*. 30, S1

Renal Aquaporins in Health and Disease

Kortenoeven, M. L. A., Olesen, Emma Tina Bisgaard & Fenton, R. A., 2016, *Ion Channels and Transporters of Epithelia in Health and Disease*. Springer, s. 803-854 52 s. (Physiology in Health and Disease).

Use of Genetic Models to Study the Urinary Concentrating Mechanism

Olesen, Emma Tina Bisgaard, Kortenoeven, M. L. A. & Fenton, R. A., 2015, *Sodium and Water Homeostasis*. Hyndman, K. A. & Pannabecker, T. L. (red.). Springer, s. 43-72 30 s. (Physiology in Health and Disease).

AQP4 plasma membrane trafficking or channel gating is not significantly modulated by phosphorylation at COOH-terminal serine residues

Assentoft, M., Larsen, B. R., Olesen, Emma Tina Bisgaard, Fenton, R. A. & MacAulay, Nanna, 15 nov. 2014, I: *American Journal of Physiology: Cell Physiology*. 307, 10, s. C957-C965 9 s.

Prostaglandin receptor EP2 and EP4 mediated Aquaporin-2 membrane accumulation does not depend on cAMP
Olesen, Emma Tina Bisgaard & Fenton, R. A., apr. 2013, I: F A S E B Journal.

Is There a Role for PGE2 in Urinary Concentration?

Olesen, Emma Tina Bisgaard & Fenton, R. A., feb. 2013, I: Journal of the American Society of Nephrology : JASN. 24, 2, s. 169-178 9 s.

Prostaglandin receptor EP4 induces transient membrane targeting of aquaporin-2 through a novel intracellular signaling pathway

Olesen, Emma Tina Bisgaard & Fenton, R. A., apr. 2012, I: F A S E B Journal.

Vasopressin-independent targeting of aquaporin-2 by selective E-prostanoid receptor agonists alleviates nephrogenic diabetes insipidus.

Olesen, Emma Tina Bisgaard, Rützler, M., Moeller, H. B., Praetorius, H. A. & Fenton, R. A., 2 aug. 2011, I: Proceedings of the National Academy of Sciences of the United States of America. 108(31), s. 12949-54 5 s.

Regulation of the water channel aquaporin-2 by posttranslational modification.

Moeller, H. B., Olesen, Emma Tina Bisgaard & Fenton, R. A., maj 2011, I: American Journal of Physiology: Renal Physiology. s. F1062-73 10 s.

Selective E-prostanoid receptor agonists mediate phosphorylation of aquaporin-2 in vitro and ex vivo

Olesen, Emma Tina Bisgaard, Rützler, M. & Fenton, R. A., apr. 2011, I: F A S E B Journal.

Vasopressin independent trafficking of aquaporin-2 by prostaglandin E2

Olesen, Emma Tina Bisgaard, Moeller, H. B., Nielsen, S., Frøkiær, J., Praetorius, H. A. & Fenton, R. A., 2010, I: F A S E B Journal.

Rapid and segmental specific dysregulation of AQP2, S256-pAQP2 and renal sodium transporters in rats with LPS-induced endotoxaemia.

Olesen, Emma Tina Bisgaard, de Seigneux, S., Wang, G., Sophie Constantin, L., Frøkiær, J., Kwon, T. & Nielsen, S., 24 aug. 2009, I: Nephrology, Dialysis, Transplantation. s. 2338-49

Long-term aldosterone treatment induces decreased apical but increased basolateral expression of AQP2 in CCD of rat kidney.

de Seigneux, S., Nielsen, J., Olesen, Emma Tina Bisgaard, Dimke, H. A., Kwon, T., Frøkiær, J. & Nielsen, S., jul. 2007, I: American Journal of Physiology: Renal Physiology.

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