

Publikationer

Jeppe Praetorius
Professor MSO
Institut for Biomedicin - Forskning og uddannelse, Syd
Wilhelm Meyers Allé 3, 1233, 219
8000, Aarhus C
Danmark
E-mail: jp@ana.au.dk
Telefon: 87167636



Født 4 August 1965, Glostrup, Danmark

Uddannelse og postgraduate ansættelser

2010- Professor MSO i epitelial cellebiologi, Institut for Biomedicin, Aarhus Universitet (AU)
2009 Erhvervet dr.med. grad, AU
2005-9 Lektor, Anatomisk Institut, AU
2002-5 Adjunkt, Anatomisk Institut, AU
2000-2 Visiting Fellow (postdoc), Section for Transport Physiology, LKEM, NIH, Bethesda, MD, USA
2000 Erhvervet ph.d. grad, Syddansk Universitet - Odense (SDU)
1996-99 Ph.d. stipendiate, Institut for Medicinsk Biologi, SDU
1995-6 Turnus uddannelse, militærtjeneste
1994 Erhvervet cand.med. grad, Odense Universitet (OU)
1992 Erhvervet diplom i medicinsk forskning, OU

Internationale møder

2013 Experimental Biology (FASEB), Boston, MA, USA 45. Meeting on Membrane Transport, Sandbjerg Gods, AU
2012 Experimental Biology (FASEB), San Diego, CA, USA Society for Experimental Biology, Annual Main Meeting, Salzburg, AT 4. Meeting on Molecular Approaches to Membrane Transport, Scand Phys Soc, Sigtuna, SE
2011 Experimental Biology (FASEB), Washington, DC, USA Annual Meeting of the Scandinavian Physiological Society, Bergen, NO International Bicarbonate Transport Meeting, AU
7th International Symposium on Aldosterone and the ENaC/Degenerin Family of Ion Channels: Molecular Mechanisms and Pathophysiology, Pacific Grove, CA, USA
2010 Joint Meeting of the Scandinavian and German Physiological Societies, University of Copenhagen (KU), DK 53rd Annual Meeting of the Canadian Society for Biochemistry, Molecular and Cellular Biology, Banff, Alberta, CA Experimental Biology (FASEB), Anaheim, CA, USA
2009 Experimental Biology (FASEB), New Orleans, LA, USA Letten Research Centre Opening and WIRED meeting, University of Oslo, NO ISN Frontiers Symposium on Renal and Extrarenal Control of Acid-base Homeostasis in Health Disease, Firenze, IT 5th Borrelli Conference Acid-base and electrolyte balance: from bench to clinic, Napoli, IT TRP Channels: From Sensory Signaling to Human Disease, Karolinska Institutet, Stockholm, SE
2008 Experimental Biology (FASEB), San Francisco, CA, USA 40. Meeting on Membrane Transport, Sandbjerg Gods, AU 1st international Meeting on Brain Aquaporins, Oslo, NO
2007 World Congress of Nephrology (ICN), Rio de Janeiro, Brazil 6th International Symposium on Aldosterone and ENaC: from gene to disease. Zermatt, CH
2006 Experimental Biology (FASEB), San Francisco, CA, USA Focused Meeting on Frontiers in Epithelial Transport (Fysoc), Manchester, UK 3rd Key Symposium: Membrane transport proteins in health and disease (R Sw Acad Sci), Stockholm, Sverige 38. Meeting on Membrane Transport, Sandbjerg Gods, AU
2005 Experimental Biology (FASEB), San Diego, CA, USA 37.th Meeting on membrane Transport, Sandbjerg Gods, AU
2004 Experimental Biology (FASEB), Washington DC, USA
2003 PhysPharm (Nordisk Fysiologisk Forening), SDU NorFa workshop on water transport and volume regulation, Gålå, Norge
2002 Renal Week (American Society of Nephrology), Philadelphia, PA, USA
2001 Experimental Biology (FASEB), Orlando, Florida, USA
1999 Molecular Physiology of Chloride Channels & Acid/Base Transporters in Epithelial Cells, The British Physiological Society, Manchester, England

- 1998 10th International Conference on Second Messengers and Phosphoproteins, Jerusalem, Israel
31. Meeting on Membrane Transport, Sandbjerg Gods, AU
- 1996 Fall meeting. Nordic Physiological Society, Helsinki University, Finland
- 1992 XX Nordic Congress of Physiology & Pharmacology, KU
- 1991 24. Meeting on membrane Transport, Sandbjerg Gods, AU

Inviteret foredragsholder

- 2013 Department of Pathology, Harvard Medical School - Boston Children's Hospital Boston, MA, USA
Department of Physiology, Emory University School of Medicine, Atlanta, GA, USA
- 2012 Society for Experimental Biology, Annual Main Meeting, Salzburg, AU 4. meeting on Molecular
Approaches to Membrane Transport, Scand Phys Soc, Sigtuna, SE
- 2011 Annual Meeting of the Scandinavian Physiological Society, Bergen, NO International Sapere
Aude Bicarbonate Transport Meeting, AU
- 2010 Annual Meeting of the Scandinavian Physiological Society, Kbh, DK 53rd Annual Mtg. &
Conference Can Soc Biochem Mol Cell Biol, Banff, Canada Dept of Physiol Biophys, Case
Western Reserve University, Cleveland, OH, USA
- 2009 L'Institut de Pharmacologie de l'Université de Lausanne, Suisse Danish Spring Meeting on
Transgenic Mouse Research, Biocenter, Kbh's Universitet Letten Research Centre Opening
and WIRED meeting, Oslo, NO 5th Borrelli Conference Acid-base and electrolyte balance: from
bench to clinic, Napoli, IT
- 2008 1st international Meeting on Brain Aquaporins, Oslo, NO
- 2006 Focused Meeting on Frontiers in Epithelial Transport (Fysoc), Manchester, UK Fysiologi &
Farmakologi, Syddansk Universitet Fysiologisk Institut, Aarhus Universitet
- 2005 Experimental Biology 2005, San Diego, CA, USA
- 2004 Department of Pharmacology, University of Cambridge, England
- 2003 Fysiologisk Institut, Aarhus Universitet
- 2001 Vand og Salt Centeret, Aarhus Universitet Fysiologi & Farmakologi, Syddansk Universitet
- 2000 NHLBI, National Institutes of Health, Bethesda, MD, USA
- 1999 Fysiologi & Farmakologi, Syddansk Universitet Medicinsk Gastroenterologisk Afd., Odense
Universitetshospital
- 1998 Afd. for Farmakologi, Odense Universitet
- 1991 Dansk Forening for Farmakologi, Farm. Inst., Københavns Universitet

Undervisning

Mere end 1200 forelæsninger og holdundervisning i Cellebiologi og Histologi for medicine og molekylær medicin studerende, AU

Udført mere end 750 orale eksamener i Cellebiologi og Histologi, AU

Censureret mere end 750 studenter ved skriftlig eksamen, SDU Modul 6 (Gastrointestinal anatomi, histologi, fysiologi, biokemi og ernæring) og SDU Modul 4 (Bevægeapparatets anatomi, histologi, muskel fysiologi/biokemi og arbejdsmedicin)

Forelæsninger i Farmakologi for medicinske og biomedicinske studenter, SDU

Undervist mikroskopi, antistof-teknikker, struktur-funktion analyse af membranproteiner, og renal fysiologi på PhD kurser og sommerskoler, AU

Supervision og censur

Hovedvejleder for PhD studenter Helle H Damkier, Marlene V Hofmeister, Janne Lebeck, Muhammad Umar Cheema, Henriette Lajgaard Christensen, and Inga Baash Christensen. Medvejleder for PhD students Jacob Nielsen, Hanne B Møller, Ebbe Bødtkier, Anna Mrovec, Elena V Bouzinova, Sabina Jelen, Lena Lindtoft Rosenbæk, Søren Poulsen, Anders Dæhli Skjolding.

Hovedvejleder for forskningsårsstuderende Helle H Damkier, Thomas Buus Jensen, Søren Olesen. Medvejleder for forskningsårsstuderende Uffe Kjær Schou, Christian Daugaard Peters, Janne Lebeck, An Tuyet Nguyen og Fredrik Dahl Pedersen.

Censor på 2 PhD opgaver (KU og Cambridge University, UK), 4 forskningsår (2 AU, 3 SDU), 3 Speciale forsvar (KU and AU), >15 Bachelor opgaver (AU, SDU, KU).

Formand for 5 PhD bedømmelsesudvalg (AU).

Medlemsskaber

- 2012- American Society of Nephrology
- 2011- Dansk Hypertensionsselskab Hjerteforeningen
- 2010- Dansk Biokemisk Selskab
- 1999- Nordisk Forening for Fysiologi American Physiological Society

Andre akademiske og administrative opgaver

Reviewer for: Comprehensive Physiology; Physiology; Pflügers Archives; PLoS-One; Neuroscience; Br. J. Pharmacol; Am J Physiol – Renal/Comparative/Circulatory/Gastroint Liver; Nephron; Cell Physiol Biochem; Acta Physiol Scand; Cerebrospinal Fluid Research; Cell Physiol Biochem; FEBS Lett.

Reviewer for Fonde: National Science Foundation (USA); Medical Research Council (UK).

Editorial Board of Am J Physiol – Renal Physiol (2005-08).

Chairman for sessioner på Experimental Biology, FASEB, USA (2004, 2011x2) og flere internationale symposier for GF center or EU netværksmøder.

Organisator og chairman af sessioner på 38. Meeting on Membrane Transport, Sandbjerg Gods, AU (2006). Organisator og chairman af Experimental Biology symposium, FASEB (2012, 2013) samt accepteret symposium på samme møde i 2014. Organisator, keynote speaker, og chairman 4. meeting on Molecular Approaches to Membrane Transport, Scand Phys Soc, Sigtuna, SE.

Tidligere Anatomisk Institut, AU: vice-instituteder (2008-2011), formand for dyrestaldsudvalget (2005-10), medlem af undervisningsudvalget (2006-), undervisningsudvalget (2007-11). Medlem af bedømmelses udvalg for dekan og institutleder stillinger, AU, samt professorat, Biomedicin, AU.

Inst. Biomedicin, AU: Medlem af Institutforum (2011-13) og forskningsudvalg (2011-13), 'vice-instituteder' (2011-12).

Medlem af Center for Transgene Technology, AU (2006-), medlem af Vand og Salt Centerets ledelse, AU (2007-11).

Medlem af forskningsnetværket Membranes, AU, og AU Ideas pilot center, InterPrET.

Lokale samarbejdspartnere

Health, AU

Helle Hasager Damkier, Institut for Biomedicin

Robert A Fenton, Institut for Biomedicin

Birgitte Mønster Christensen, Institut for Biomedicin

Sebastian Frische, Institut for Biomedicin

Christian Aalkjær, Institut for Biomedicin

Ebbe Bødtkjer, Institut for Biomedicin

Science and Technology, AU

Lene Niemann Nejsum, Institut for Molekylærbiologi og Genetik

Jan J Enghild, Institut for Molekylærbiologi og Genetik

Hans Malte and Tobias Wang, Institut for Bioscience - Zoofysiologi

Publikationer

Cerebrospinal fluid pH regulation

Damkier, H. H. & Praetorius, J., apr. 2024, I: Pflügers Archiv - European Journal of Physiology. 476, 4, s. 467-478 12 s.

The Cyst Epithelium in Polycystic Kidney Disease Patients Displays Normal Apical-Basolateral Cell Polarity

Sandegaard, S. L., Riishede, A., Birn, H., Damkier, H. H. & Praetorius, J., 5 feb. 2024, I: International Journal of Molecular Sciences . 25, 3, 1904.

Absence of E-Cadherin and β -Catenin in the Basal Plasma Membrane of Collecting Duct Cells During NDI Development and Recovery

Sørtvedt, X., Nielsen, R., Praetorius, J. & Christensen, B. M., jul. 2023, I: Journal of Histochemistry and Cytochemistry. 71, 7, s. 221554231185809 19 s.

Regulation of Ncbe in the Choroid Plexus of Mice after Hemorrhage-Induced Hydrocephalus

Johnsen, L., Friis, K. A., Ryø, L. B., Mikkelsen, J. G., Lindhardt, T. B., Knopper, R. W., Hansen, B., Praetorius, J. & Damkier, H. H., maj 2022, I: The FASEB Journal. 36, S1

Circulating ghrelin crosses the blood-cerebrospinal fluid barrier via growth hormone secretagogue receptor dependent and independent mechanisms

Uriarte, M., De Francesco, P. N., Fernández, G., Castrogiovanni, D., D'Arcangelo, M., Imbernon, M., Cantel, S., Denoyelle, S., Fehrentz, J. A., Praetorius, J., Prevot, V. & Perello, M., dec. 2021, I: Molecular and Cellular Endocrinology. 538, 12 s., 111449.

Multiple Na,K-ATPase Subunits Colocalize in the Brush Border of Mouse Choroid Plexus Epithelial Cells

Baasch Christensen, I., Cheng, L., Brewer, J. R., Bartsch, U., Fenton, R. A., H Damkier, H. & Praetorius, J., feb. 2021, I: International Journal of Molecular Sciences . 22, 4, s. 1-27 27 s., 1569.

The devil is in the C-tail: a NBCe1-carbonic anhydrase bicarbonate transport metabolon?

Praetorius, J., 15 dec. 2020, I: *Journal of Physiology*. 598, 24, s. 5595-5596 2 s.

Slimhindeimmunitet i fordøjelseskanalen

Vorup-Jensen, T., Praetorius, J., Dige, A. K. & Holm, C. K., dec. 2020, *Immunologi*. Holm, C. K. (red.). 2 udg. Roskilde: FADL's Forlag, s. 213-224

NBCe2 (Slc4a5) Is Expressed in the Renal Connecting Tubules and Cortical Collecting Ducts and Mediates Base Extrusion

Barbuskaite, D., Pedersen, F. D., Christensen, H. L., Johnsen, L. Ø., Praetorius, J. & Damkier, H. H., maj 2020, I: *Frontiers in Physiology*. 11, 560.

Acid/base transporters in CSF secretion and pH regulation

Barbuskaite, D., Damkier, H. H. & Praetorius, J., 2020, *Role of the choroid plexus in health and disease*. Praetorius, J., Blazer-Yost, B. & Damkier, H. H. (red.). New York: Springer, s. 149-171 (Physiology in Health and Disease).

Genetic disruption of slc4a10 alters the capacity for cellular metabolism and vectorial ion transport in the choroid plexus epithelium

Christensen, I. B., Wu, Q., Bohlbro, A. S., Skals, M. G., Damkier, H. H., Hübner, C. A., Fenton, R. A. & Praetorius, J., 2020, I: *Fluids and Barriers of the CNS*. 17, 1, 18 s., 2.

Ion Transport in the Choroid Plexus Epithelium

Johnsen, L. Ø., Damkier, H. H. & Praetorius, J., 2020, *Ion transport across epithelial tissues and disease: Ion Channels and Transporters of Epithelia in Health and Disease : Vol. 2*. Hamilton, K. L. & Devor, D. C. (red.). 2 udg. s. 333-361 (Physiology in Health and Disease).

Structure of the mammalian choroid plexus

Damkier, H. H. & Praetorius, J., 2020, *Role of the choroid plexus in health and disease*. Praetorius, J., Blazer-Yost, B. & Damkier, H. H. (red.). New York: Springer, s. 1-33 (Physiology in Health and Disease).

Early Hearing Loss upon Disruption of Slc4a10 in C57BL/6 Mice

Huebner, A. K., Maier, H., Maul, A., Nietzsche, S., Herrmann, T., Praetorius, J. & Hübner, C. A., 2019, I: *Journal of the Association for Research in Otolaryngology*. 20, 3, s. 233-245 13 s.

The choroid plexus sodium-bicarbonate cotransporter NBCe2 regulates mouse cerebrospinal fluid pH

Christensen, H. L., Barbuskaite, D., Rojek, A., Malte, H., Christensen, I. B., Füchtbauer, A. C., Füchtbauer, E.-M., Wang, T., Praetorius, J. & Damkier, H. H., okt. 2018, I: *The Journal of Physiology*. 596, 19, s. 4709-4728 20 s.

Adenylyl cyclase 6 is required for maintaining acid-base homeostasis

Poulsen, S. B., Marin De Evsikova, C., Murali, S. K., Praetorius, J., Chern, Y., Fenton, R. A. & Rieg, T., 31 aug. 2018, I: *Clinical Science*. 132, 16, s. 1779-1796 18 s.

Choroid plexus epithelial cells express the adhesion protein P-cadherin at cell-cell contacts and syntaxin-4 in the luminal membrane domain

Christensen, I. B., Mogensen, E. N., Damkier, H. H. & Praetorius, J., maj 2018, I: *American Journal of Physiology: Cell Physiology*. 314, 5, s. C519-C533 15 s.

The murine choroid plexus epithelium expresses the 2Cl⁻/H⁺-exchanger CIC-7 and Na⁺/H⁺ exchanger NHE6 in the luminal membrane domain

Damkier, H. H., Christensen, H. L., Christensen, I. B., Wu, Q., Fenton, R. A. & Praetorius, J., apr. 2018, I: *American Journal of Physiology: Cell Physiology*. 314, 4, s. C439-C448 10 s.

Transport across the Choroid Plexus Epithelium

Praetorius, J. & Damkier, H. H., 1 jun. 2017, I: *American Journal of Physiology: Cell Physiology*. 312, 6, s. C673-C686 ajpcell.00041.2017.

The choroid plexus sodium-bicarbonate cotransporter NBCe2 regulates cerebrospinal fluid pH

Barbuskaite, D., Praetorius, J., Christensen, H. L., Rojek, A., Nielsen, H. M., Fuchtbauer, E.-M., Wang, T. & Damkier, H. H., apr. 2017, I: F A S E B Journal. 31, 1 s.

The V-ATPase is expressed in the choroid plexus and mediates cAMP-induced intracellular pH alterations

Christensen, H. L., Păunescu, T. G., Matchkov, V., Barbuskaite, D., Brown, D., Damkier, H. H. & Praetorius, J., 3 jan. 2017, I: Physiological Reports. 5, 1, no. e13072.

Isolating subpopulations of human epidermal basal cells based on polyclonal serum against trypsin-resistant CSPG4 epitopes

Gunnarsson, A. P. A., Christensen, R., Praetorius, J. & Jensen, U. B., 20 dec. 2016, I: Experimental Cell Research. 350, 2, s. 368-379 12 s.

Extracellular superoxide dismutase is present in secretory vesicles of human neutrophils and released upon stimulation

Iversen, M. B., Gottfredsen, R. H., Larsen, U. G., Enghild, J. J., Praetorius, J., Borregaard, N. & Petersen, S. V., aug. 2016, I: Free Radical Biology & Medicine. 97, s. 478-88 11 s.

The zinc transporter ZNT3 co-localizes with insulin in INS-1E pancreatic beta cells and influences cell survival, insulin secretion capacity, and ZNT8 expression

Smidt, K., Larsen, A., Brønden, A., Sørensen, K. S., Nielsen, J. V., Praetorius, J., Martensen, P. M. & Rungby, J., 11 feb. 2016, I: BioMetals. 29, 2, s. 287-298 12 s.

Reducing α ENaC expression in kidney connecting tubule induces pseudohypoaldosteronism type 1 symptoms during K⁺ loading

Poulsen, S. B., Praetorius, J., Damkier, H. H., Miller, L., Nelson, R. D., Hummler, E. & Christensen, B. M., 2016, I: American Journal of Physiology: Renal Physiology. 310, 4, s. F300-F310 11 s.

Reply to Orešković et al

Damkier, H. H., Brown, P. D. & Praetorius, J., 2016, I: Physiological Reviews. 96, 4, s. 1663-4 2 s.

Renal type a intercalated cells contain albumin in organelles with aldosterone-regulated abundance

Jensen, T. B., Cheema, M. U., Szymiczek, A., Damkier, H. H. & Praetorius, J., 2015, I: PLOS ONE. 10, 4, s. e0124902

Hepatic AQP9 expression in male rats is reduced in response to PPAR α agonist treatment

Lebeck, J., Cheema, M. U., Skowronski, M. T., Nielsen, S. & Praetorius, J., 4 dec. 2014, I: American Journal of Physiology: Gastrointestinal and Liver Physiology. s. ajpgi.00407.2013

Coordinated regulation of TRPV5-mediated Ca(2⁺) transport in primary distal convolution cultures

van der Hagen, E. A. E., Lavrijsen, M., van Zeeland, F., Praetorius, J., Bonny, O., Bindels, R. J. M. & Hoenderop, J. G. J., nov. 2014, I: Pflügers Archiv - European Journal of Physiology. 466, 11, s. 2077-2087 11 s.

Comparison of two phenotypically distinct lattice corneal dystrophies caused by mutations in the transforming growth factor beta induced (TGFB1) gene

Poulsen, E. T., Runager, K., Risør, M. W., Dyrland, T. F., Scavenius, C., Karring, H., Praetorius, J., Vorum, H., Otzen, D. E., Klintworth, G. K. & Enghild, J. J., apr. 2014, I: Proteomics - Clinical Applications. 8, 3-4, s. 168-177 10 s.

Distal Renal Tubules Are Deficient in Aggresome Formation and Autophagy upon Aldosterone Administration

Cheema, M. U., Damkier, H. H., Nielsen, J., Poulsen, E. T., Enghild, J. J., Fenton, R. A. & Praetorius, J., 2014, I: PLOS ONE. 9, 7, s. e101258

Aldosterone and angiotensin II induced protein aggregation in renal proximal tubules

Cheema, M. U., Poulsen, E. T., Enghild, J. J., Hoorn, E., Fenton, R. A. & Praetorius, J., sep. 2013, I: Physiological Reports. 1, 4, s. e00064

Assessment of the Effect of 24-Hour Aldosterone Administration on Protein Abundance in Fluorescence-Sorted Mouse Distal Renal Tubules by Mass Spectrometry

Jensen, T. B., Pisitkun, T., Hoffert, J. D., Jensen, U. B., Fenton, R. A., Praetorius, H. A., Knepper, M. A. & Prætorius, J., 2013, I: NEPHRON PHYSIOLOGY. 121, 3-4, s. p9-p15

Cerebrospinal fluid secretion by the choroid plexus

Damkier, H., Brown, P. D. & Praetorius, J., 2013, I: Physiological Reviews. 93, 4, s. 1847-92 45 s.

Essential role of the electroneutral Na⁺HCO₃⁻ cotransporter NBCn1 in murine duodenal acid/base balance and colonic mucus layer build-up in vivo

Singh, A. K., Xia, W., Riederer, B., Juric, M., Li, J., Zheng, W., Cinar, A., Xiao, F., Bachmann, O., Song, P., Prætorius, J., Aalkjaer, C. & Seidler, U., 2013, I: The Journal of Physiology. 591, 8, s. 2189-2204

Insulin secretion and ZnT8 gene expression are decreased by ZnT3 overexpression

Smidt, K., Sørensen, K. S., Larsen, A., Praetorius, J., Martensen, P. M. & Rungby, J., 2013, I: Diabetologia. 56, s199

Polarization of membrane associated proteins in the choroid plexus epithelium from normal and slc4a10 knockout mice

Christensen, I. B., Gyldenholm, T., Damkier, H. & Praetorius, J., 2013, I: Frontiers in Physiology. 4, s. 344

The N-terminal cytoplasmic region of NCBE displays features of an intrinsic disordered structure and represents a novel target for specific drug screening

Bjerregaard-Andersen, K., Perdreau-Dahl, H., Guldsten, H., Praetorius, J., Jensen, J. K. & Morth, J. P., 2013, I: Frontiers in Physiology. 4, s. 320

Gender-specific effect of physical training on AQP7 protein expression in human adipose tissue

Lebeck, J., Ostergård, T., Rojek, A., Füchtbauer, E.-M., Lund, S. & Prætorius, J., dec. 2012, I: Acta Diabetologica. 49, Suppl 1, s. S215-S226 11 s.

17β-estradiol induces non-genomic effects in renal intercalated cells through the G-protein coupled estrogen receptor 1

Hofmeister, M. V., Damkier, H. H., Christensen, B. M., Olde, B., Leeb-Lundberg, L. M. F., Fenton, R. A., Praetorius, H. A. & Prætorius, J., 2012, I: American Journal of Physiology: Renal Physiology. 302, s. F358

Aquaporin-9 and urea transporter-A gene deletions affect urea transmembrane passage in murine hepatocytes

Jelen, S., Gena, P., Lebeck, J., Rojek, A., Praetorius, J., Frøkiaer, J., Fenton, R. A., Nielsen, S., Calamita, G. & Rützler, M., 2012, I: A J P: Gastrointestinal and Liver Physiology (Online). 303, 11, s. G1279-87

Brenner and Rector's; The Kidney. Anatomy of the kidney

Nielsen, S., Kwon, T.-H., Fenton, R. A. & Prætorius, J., 2012, Elsevier Saunders. 63 s.

Depletion of SLC4A11 causes cell death by apoptosis in an immortalized human corneal endothelial cell line

Liu, J., Seet, L.-F., Koh, L. W., Venkatraman, A., Venkataraman, D., Mohan, R. R., Prætorius, J., Bonanno, J. A., Aung, T. & Vithana, E. N., 2012, I: Investigative Ophthalmology & Visual Science. 53, 7, s. 3270-9 10 s.

Genetic ablation of Slc4a10 alters the expression pattern of transporters involved in solute movement in the mouse choroid plexus

Damkier, H. & Praetorius, J., 2012, I: American Journal of Physiology: Cell Physiology. 302, 10, s. C1452

Handbook of Physiology; Comprehensive Physiology: Molecular physiology of the medullary collecting ducts

Fenton, R. A. & Prætorius, J., 2012, Wiley-Blackwell.

Na⁺-coupled bicarbonate transporters in duodenum, collecting ducts and choroid plexus

Prætorius, J., 2012, I: J N: Journal of Nephrology. 23 Suppl 16, s. S35-42

The electroneutral Na⁺:HCO₃⁻ cotransporter NBCn1 is a major pH_i regulator in murine duodenum

Chen, M., Prætorius, J., Zheng, W., Xiao, F., Riederer, B., Singh, A. K., Stieger, N., Wang, J., Shull, G. E., Aalkjaer, C. & Seidler, U., 2012, I: The Journal of Physiology. 590, 14, s. 3317-33 17 s.

Disruption of Na⁺,HCO₃⁻ cotransporter NBCn1 (slc4a7) inhibits NO-mediated vasorelaxation, smooth muscle Ca²⁺ sensitivity, and hypertension development in mice

Boedtkjer, E., Prætorius, J., Matchkov, V. V., Stankevicius, E., Mogensen, S., Füchtbauer, A. C., Simonsen, U., Füchtbauer, E.-M. & Aalkjaer, C., 26 sep. 2011, I: Circulation. 124, 17, s. 1819-1829 11 s.

Molecular physiology of the medullary collecting duct

Fenton, R. A. & Prætorius, J., 1 apr. 2011, I: Comprehensive Physiology. 1, 2, s. 1031-1056 26 s.

The TRPV5 Promoter as a Tool for Generation of Transgenic Mouse Models

Hofmeister, M. V., Füchtbauer, E.-M., Fenton, R. A. & Prætorius, J., 1 jan. 2011, I: Advances in Experimental Medicine and Biology. 704, s. 277-86 10 s.

Estrogen prevents increased hepatic aquaporin-9 expression and glycerol uptake during starvation

Lebeck, J., Gena, P., O'Neill, H., Skowronski, M. T., Lund, S., Calamita, G. & Prætorius, J., 2011, I: American Journal of Physiology: Gastrointestinal and Liver Physiology.

Na⁺-dependent HCO₃⁻ import by the slc4a10 gene product involves Cl⁻ export

Damkier, H. H., Aalkjaer, C. & Prætorius, J., 27 aug. 2010, I: Journal of Biological Chemistry. 285, 35, s. 26998-7007 10 s.

Epithelial pathways in choroid plexus electrolyte transport

Damkier, H. H., Brown, P. D. N. & Prætorius, J., 1 aug. 2010, I: Physiology. 25, 4, s. 239-49 11 s.

Hydrocephalus induces dynamic spatiotemporal regulation of aquaporin-4 expression in the rat brain

Skjolding, A. D., Rowland, I. J., Søgaard, L.V.-C., Prætorius, J., Penkowa, M. & Juhler, M., 1 jan. 2010, I: Cerebrospinal Fluid Research. 7, s. 20

Ion channels and transporters in secretory and cyclically modulating ameloblasts.

Josephsen, K., Takano, Y., Frische, S., Prætorius, J., Nielsen, S., Aoba, T. & Fejerskov, O., 2010. 1 s.

Ion transporters in secretory and cyclically modulating ameloblasts: a new hypothesis for cellular control of preeruptive enamel maturation.

Josephsen, K., Takano, Y., Frische, S., Prætorius, J., Nielsen, S., Aoba, T. & Fejerskov, O., 2010, I: American Journal of Physiology: Cell Physiology. 299, s. C:1299-C:1307 9 s.

Phosphorylation of aquaporin-2 regulates its endocytosis and protein-protein interactions

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