

PEER REVIEWED PUBLICATIONS (SELECTION):

Peer-Reviewed Publications (First Author):

Esteva-Font C, Jin BJ, Lee S, Phuan PW, Anderson MO, Verkman AS. Experimental Evaluation of Proposed Small-Molecule Inhibitors of Water Channel Aquaporin-1. *Mol Pharmacol.* 89(6):686-93, 2016.

Esteva-Font C, Phuan PW, Lee S, Su T, Anderson MO, Verkman AS. Structure-activity analysis of thiourea analogs as inhibitors of UT-A and UT-B urea transporters. *Biochim Biophys Acta.* 1848(5):1075-80, 2015.

Esteva-Font C, Guillén-Gómez E, Diaz JM, Guirado L, Facundo C, Ars E, Ballarín JA, Fernández-Llama P. Renal sodium transporters are increased in urinary exosomes of cyclosporine-treated kidney transplant patients. *Am J Nephrol.* 39(6):528-35, 2014.

Esteva-Font C, Cil O, Phuan PW, Su T, Lee S, Anderson MO, Verkman AS. Diuresis and reduced urinary osmolality in rats produced by small-molecule UT-A-selective urea transport inhibitors. *FASEB J.* pii: fj.14-253872, 2014.

Esteva-Font C, Jin BJ, Verkman AS. Aquaporin-1 gene deletion reduces breast tumor growth and lung metastasis in tumor-producing MMTV-PyVT mice. *FASEB J.* 28(3):1446-53, 2014.

Esteva-Font C, Phuan PW, Anderson MO, Verkman AS. A small molecule screen identifies selective inhibitors of urea transporter UT-A. *Chem Biol.* 20(10):1235-44, 2013.

Esteva-Font C, Wang X, Ars E, Guillén-Gómez E, Sans L, González Saavedra I, Torres F, Torra R, Masilamani S, Ballarín JA, Fernández-Llama P. Are sodium transporters in urinary exosomes reliable markers of tubular sodium reabsorption in hypertensive patients? *Nephron Physiol.* 114(3):p25-34, 2010.

Esteva-Font C, Baccaro ME, Fernández-Llama P, Sans L, Guevara M, Ars E, Jiménez W, Arroyo V, Ballarín JA, Ginès P. Aquaporin-1 and aquaporin-2 urinary excretion in cirrhosis: Relationship with ascites and hepatorenal syndrome. *Hepatology.* 44(6):1555-63, 2006.

Peer-Reviewed Publications (Co-Author):

Cheng L, Poulsen SB, Wu Q, **Esteva-Font C**, Olesen ETB, Peng L, Olde B, Leeb-Lundberg LMF, Pisitkun T, Rieg T, Dimke H, Fenton RA. Rapid Aldosterone-Mediated Signaling in the DCT Increases Activity of the Thiazide-Sensitive NaCl Cotransporter. *J Am Soc Nephrol.* Jun 28. pii: ASN.2018101025. doi: 10.1681/ASN.2018101025. 2019.

Jin BJ, **Esteva-Font C**, Verkman AS. Droplet-based microfluidic platform for measurement of rapid erythrocyte water transport. *Lab Chip.* 15, 3380-90, 2015.

Cil O, **Esteva-Font C**, Tas ST, Lee S, Ertunc M, Verkman AS. O-071 Salt-sparing Salt-sparing diuretic action of a water-soluble urea analog inhibitor of urea transporters UT-A and UT-B in rats. *Kidney Int.* 88, 311-20, 2015.

Review Articles

Esteva-Font C, Anderson MO, Verkman AS. Urea transporter proteins as targets for small-molecule diuretics. *Nat Rev Nephrol.* Review, 11(2):113-23, 2015.