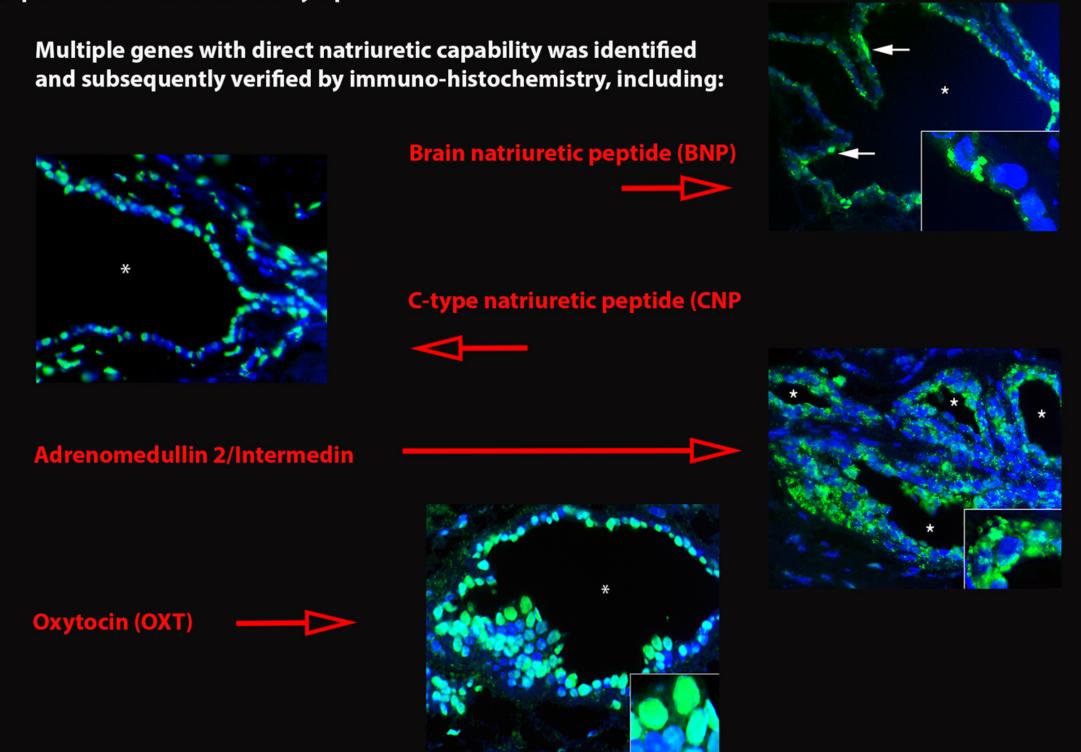
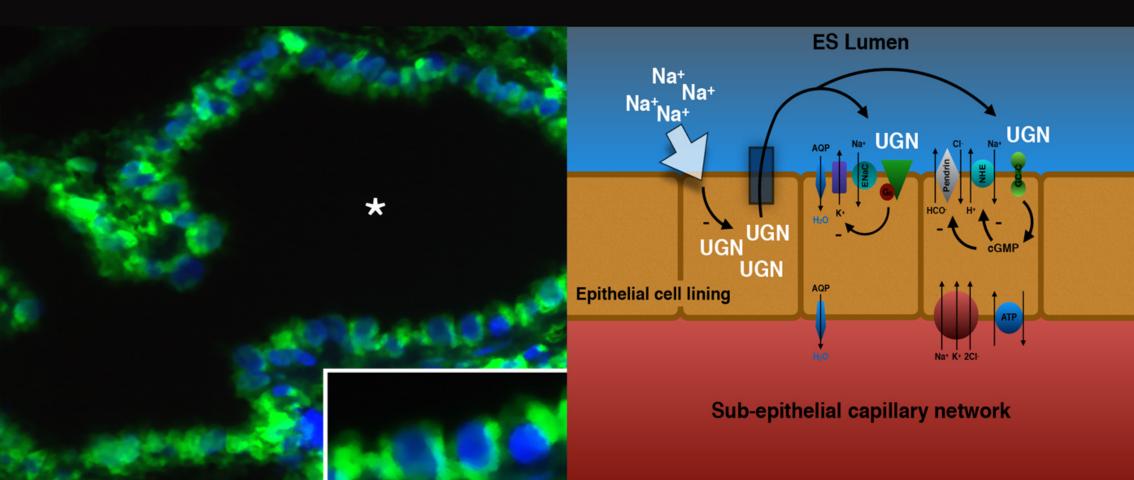
The Human Endolymphatic sac has natriuretic capabilities



A microarray and immuno-histochemical study, aiming to explore and demonstrate potential natriuretic peptides in the human endolymphatic sac



Perhaps most significant finding was Uroguanylin (UGN) in the ES epithelia. This specific peptide is a potent natriuretic through regulation of Pendrin as well as several sodium channels



Conclusion:

The human endolymphatic sac expresses several potent natriuretic peptides. Thus it may have true endocrine and/or paracrine capabilities and is likely to regulate inner ear homeostasis, but may also influence systemic and/or intracranial blood pressure