

**Nicholas A. Delamere, Ph.D.**

Professor, Physiology

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1973 – BSc - Biological Science - University of East Anglia, Norwich, UK

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Dr. Delamere is best known for his work on cellular specializations in the eye. His laboratory studies the way Na, K-ATPase works as a sodium ion pump and how it interacts with protein kinases that relay messages and with cell sensors that detect mechanical distortion. Currently he and his colleagues are interested in three ion channels, TRPV1, TRPV4 and Piezo1, that operate as sensors of plasma membrane shrinkage or swelling. Studying these interactions will lead to a better understanding of disease progression in cataract and glaucoma.