

Postdoc, Johns Hopkins Center for Epithelial Disorders

Post doc position is now available for a person interested in molecular aspects of transport proteins. Our laboratory is studying regulation of NHE3 the brush border Na/H exchanger that accounts for the majority of intestinal and renal Na absorption. It is highly regulated as part of digestion that occurs after meals and this regulation is mimicked in diarrheal diseases. Regulation occurs by signaling molecules forming a complex on this protein's C-terminus. Our laboratory is identifying the components of the signaling complex that binds to NHE3 and studying the mechanism of that regulation. We use yeast two hybrid, co-precipitation, overlays to identify associating proteins and now will use human protein chip technology. I am looking for someone to take part in these identification and characterization studies using molecular and biochemical approaches. This work is supported by two NIH RO1 grants which are funded as well as a Program Project Grant. Please inquire to [mdonowit@jhmi.edu](mailto:mdonowit@jhmi.edu) and includes names/contact numbers of three references.

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