

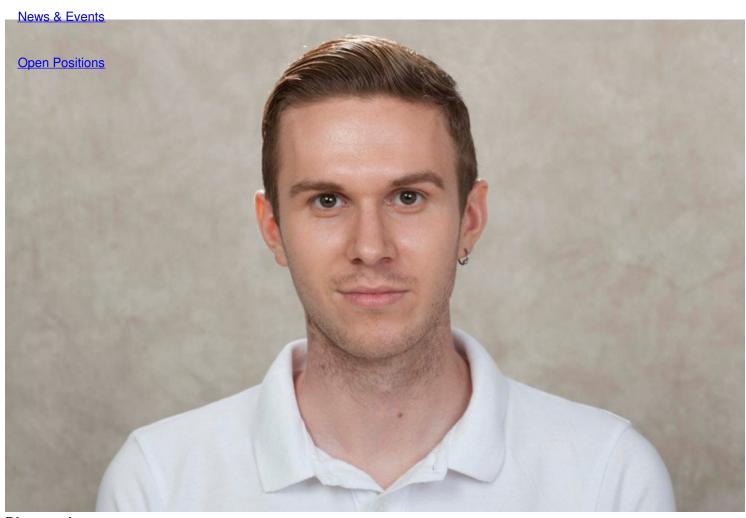


About Us Sloan Kettering Institute The Stephen Long Lab

Research

George Vaisey, PhD

Education & Training Graduate Student



Dissertation

lon permeation and calcium-dependent regulation of the bestrophin channel (2019)

Mentor

Stephen B. Long, PhD

Start Year

2013

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End Year

2019

Education

MBiochem, University of Oxford

Science is endlessly challenging. Once something is figured out, it's time to move on to the next thing. A PhD is a training that will play a large role in determining the type of scientist you become. Picking a lab that does rigorous science is key for your development, and Memorial Sloan Kettering is full of them. As an undergraduate in the UK, I read two high-profile papers by the PI in lab I am now a part of. The fact that this small, young lab had been able to produce such significant work had a big impact on me and attracted me to the Gerstner Sloan Kettering program. In my own work, I'm interested in individual proteins performing various functions. It's most satisfying for me to understand how a process works in terms of protein function, particularly the 3-D structure of the proteins. Outside of the lab, I love good fiction, good art, and good food.

Fellowships

Boehringer Ingelheim Fonds PhD Fellowship (2015-2017)

Palestin Fellowship (2014-2015)

Current Position

Postdoctoral Fellow, Roderick MacKinnon Laboratory, The Rockefeller University

Publications

Miller AN, Vaisey G, Long SB. (2019) Molecular mechanisms of gating in the calcium-activated chloride channel bestrophin. *eLife*. 8. pii: e43231. PMCID: PMC6342527

<u>Vaisey G, Long SB. (2018) An allosteric mechanism of inactivation in the calcium-dependent chloride channel BEST1. *J Gen Physiol.* pii: jgp.201812190.</u>

Vaisey G, Miller AN, Long SB. (2016) Distinct regions that control ion selectivity and calcium-dependent activation in the bestrophin ion channel. *Proc Natl Acad Sci U S A*. 113, 7399-7408. PMCID: PMC5127342 [Available on 2017-05-22]

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