



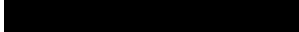

## QUICK LINKS:

- about
- people
- faculty
  - recent publications
  - courses
- staff
- research
- events
- contacts
- news
- bme home
- pratt home
- duke home
- INFORMATION FOR:
- undergrads
- grads
- industry
- employment

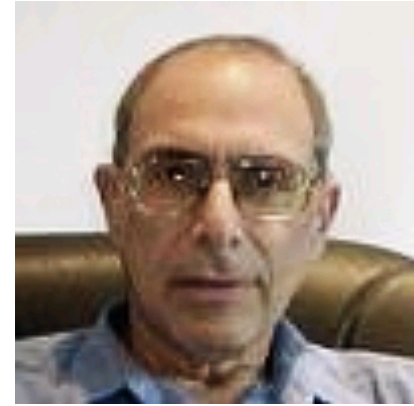
## SIDNEY A SIMON, ASSOICATE MEDICAL RESEARCH PROFESSOR OF NEUROBIOLOGY, DEPARTMENT OF ANESTHESIOLOGY AND BIOMEDICAL ENGINEERING

### Contact Info:

Office Location: 327C Bryan Res Building

Email Address:  

Web Page: <http://neurobiology.mc.duke.edu/Faculty/simon/>



### Education:

Ph.D., Northwestern University, 1973

### Specialties:

Polymer and Protein Engineering  
Neural Prosthesis

### Representative Publications (More Publications)

L Liu, T Yang, SA Simon, *The protein tyrosine kinase inhibitor, genistein, decreases excitability of nociceptive neurons.*, Pain, Netherlands, vol. 112 no. 1-2 (November, 2004), pp. 131-41 [abs].

L Liu, T Yang, MJ Bruno, OS Andersen, SA Simon, *Voltage-gated ion channels in nociceptors: modulation by cGMP.*, Journal of neurophysiology, United States, vol. 92 no. 4 (October, 2004), pp. 2323-32 [abs].

W Liedtke, SA Simon, *A possible role for TRPV4 receptors in asthma.*, American journal of physiology. Lung cellular and molecular physiology, United States, vol. 287 no. 2 (August, 2004), pp. L269-71 .

Agopyan, N. Bhatti, T. Yu, S and S. A. Simon (2003) *Vanilloid receptor activation by 2 and 10 m particles induce apoptosis in human lung cells. Toxicology and Applied Pharmacology* 192: 21-35. .

Liu, L., and S. A. Simon (2003) *Modulation of IA Currents by capsaicin in rat trigeminal ganglion neurons. J. Neurophysiol.* 89:1387-1401. .

McIntosh, T. J. Vidal, A. and Simon, S. A. (2003) *Sorting of Lipids and Transmembrane Peptides Between Detergent Soluble Bilayers and Detergent Resistant Rafts. Biophysical Journal* 85: 1656-1666. .

Katz, D.B., M.A.L. Nicolelis and S.A. Simon (2002) *Gustatory coding is dynamic and distributed. Curr. Opin. in Neurosci.* 12:448-454. .