



## Bruce Koch, Ph.D.

Senior Director, SoM Scientific Service Centers and Director, ChEM-H/CSB HTSKC,  
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### Bio

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#### CURRENT ROLE AT STANFORD

Responsible for the scientific service centers in the School of Medicine.

Adviser to the SPARK Program

### Publications

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#### PUBLICATIONS

- **Developing Assays for High-Throughput Screening (HTS) A Practical Guide to Drug Development in Academia: The SPARK Approach**  
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- **A tetrodotoxin-resistant voltage-gated sodium channel from human dorsal root ganglia, hPN3/SCN10A** *PAIN*  
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- **Structure and function of a novel voltage-gated, tetrodotoxin-resistant sodium channel specific to sensory neurons** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
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- **Modulation of mechano-hyperalgesia by clinically effective analgesics in rats with a peripheral mononeuropathy.** *Analgesia*  
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- **PHARMACOLOGY OF A CA<sup>2+</sup>-INFLUX PATHWAY ACTIVATED BY EMPTYING THE INTRACELLULAR CA<sup>2+</sup> STORES IN HL-60 CELLS - EVIDENCE THAT A CYTOCHROME-P-450 IS NOT INVOLVED** *BIOCHEMICAL JOURNAL*

Koch, B. D., FAUROT, G. F., Kopanitsa, M. V., Swinney, D. C.  
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- **THE ROLE OF STRESS PROTEINS IN MEMBRANE BIOGENESIS** *TRENDS IN BIOCHEMICAL SCIENCES*  
Deshaies, R. J., Koch, B. D., Schekman, R.  
1988; 13 (10): 384-388
- **A SUBFAMILY OF STRESS PROTEINS FACILITATES TRANSLOCATION OF SECRETORY AND MITOCHONDRIAL PRECURSOR POLYPEPTIDES** *NATURE*  
Deshaies, R. J., Koch, B. D., WERNERWASHBURNE, M., Craig, E. A., Schekman, R.  
1988; 332 (6167): 800-805
- **CHARACTERIZATION OF THE CYCLIC AMP-INDEPENDENT ACTIONS OF SOMATOSTATIN IN GH CELLS .1. AN INCREASE IN POTASSIUM CONDUCTANCE IS RESPONSIBLE FOR BOTH THE HYPERPOLARIZATION AND THE DECREASE IN INTRACELLULAR FREE CALCIUM PRODUCED BY SOMATOSTATIN** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
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