

Loren Runnels (*Piscataway, NJ, USA*)



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Biography:

Loren Runnels
Professor, Department of Pharmacology
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Loren Runnels received his B.S. in Engineering Physics from the Colorado School of Mines, an engineering school in Golden, Colorado, U.S.A. Upon graduation he joined the Biophysics program in the Department of Physiology at Stony Brook University (Stony Brook, New York, USA), where he worked with Dr. Suzanne Scarlata, on the study and regulation of phospholipase C (PLC) enzymes by G proteins. Loren Runnels did his postdoctoral studies with Dr. David Clapham (Harvard Medical School). While in his lab, Loren Runnels continued research on PLC by performing a yeast two-hybrid (Y2H) screen using the COOH-terminal of PLC- β 1 as bait and discovered the TRPM7 ion channel as the first ion channels with its own kinase domain. Loren Runnels began his career as an independent investigator at Rutgers-Robert Wood Johnson Medical School in 2002. The focus of his lab is to understanding the biological functions and regulation of the channel-kinases TRPM7 and TRPM6.

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