Botelho

Phosphoinositides

Methods and Protocols

This fully updated volume explores experimental approaches used to investigate phosphoinositide (PtdInsP) regulation and function, featuring updates as well as new emerging methods and technologies. The book collects methods to identify and quantify the levels of each PtdInsP species, bioluminescence-generating tools, super-resolution, and optogenetics techniques, as well as methods to disrupt PtdInsP kinases and phosphatases. Written for the highly successful Methods in Molecular Biology series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step and readily reproducible laboratory protocols, and tips for troubleshooting and avoiding known pitfalls.Authoritative and up-to-date, Phosphoinositides: Methods and Protocols, Second Edition serves as an ideal guide to complementary methods that have been instrumental in dissecting the regulation, dynamics, and function of PtdInsPs.

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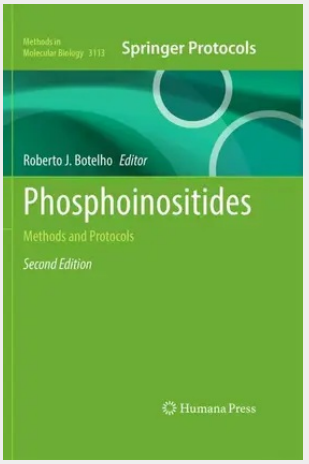

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