Genetically Encoded Phosphoserine as a Tool to Advance Kinase Research and Discovery

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Genetically encoded phosphoserine as a tool to advance kinase research and discovery

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Relevant publications:


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Research Interests

• The role of protein phosphorylation in physiological systems

• Kinases and signaling networks in health & disease
  • Ion transport & Hypertension

• Decoding the phosphoproteome

(Manning et. al. Science (2002))

• Kinases comprise 2% of human genome

• Key regulators of most cellular processes

• Protein phosphorylation directs activity, localization and overall function of many proteins
How do we advance functional studies without the wiring diagram?

Kinome       Phosphoproteome

A massive decoding problem.
ATTENTION!

The entire presentation will be provided to registered attendees only at the conference!

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