

ANALYSIS OF CONUS VENOM, THE SEARCH FOR BIOACTIVE, POSTTRANSLATIONALLY MODIFIED PEPTIDES

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Tropical waters, especially coral reef systems, house an extraordinary diversity of invertebrate species. They exist together in an intensely competitive environment that has forced many to evolve bioactive compounds as part of defensive or prey-capture strategies. Importantly, many bioactive compounds have proved novel, either on the basis of structure or pharmacological profile. In this presentation we will give an overview of our approach to the search for posttranslationally modified peptides and the discovery of new bioactive peptides using mass spectrometry.
