

平成16年度第6回VBLセミナー:6th VBL seminar

日時: 平成17年1月17日(月) 13時30分~14時30分

場所: VBL4階セミナールーム

Date: 17 January 2005, 13:30 - 14:30

Place: Seminar room, 4th floor, VBL

13:30-14:30

Title: TOXINS OF MARINE ANIMALS

**By Dr. V. Arul(Department of Biotechnology, Pondicherry
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Abstract:

Biotoxinology is the science of plant and animal poisons and is concerned with a vast number of chemical substances. Most of which remains to be characterized. Biotoxins are of two types phytotoxins and zootoxins. Marinotoxins is one of zootoxins present in marine animals. These marine toxins are subdivided into those that are poisonous to eat, the oral poisons and those that are administered by venom apparatus, the parenteral poisons. Little is known of the biological significance of marine biotoxins. They offer a spectrum of new or little known molecular structure that the synthetic chemist may ultimately find possible to synthesize and manipulate into useful products. The importance of biotoxins in providing new molecular blue prints merits greater scientific attention than it has received to date. This lecture will focus on a few representative species of toxic marine organisms such as sea snails and sea anemones.

海洋生物に由来する毒素 (**marine biotoxins**) の生物学的な意義についてはほとんど知られていない。この **biotoxins** の研究は有機化合物の合成などに新しい指針を提供する。新規分子の設計図としても重要な **biotoxins** として、海蛇やイソギンチャクのような毒素器官からの2, 3の代表例について講演する。

連絡先

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