



western australian  
marine science institution

The Western Australian Marine Science Institution (WAMSI), in conjunction with the Australian Institute of Marine Science, the Department of Fisheries WA and the USA National Cancer Institute, invite you to attend a WAMSI node five research seminar to hear

**Dr David Newman**, Chief of the USA National Cancer Institute's Natural Products Branch, present his paper:

## Marine secondary metabolites, methods for mass production

9.30 am – 12.30 pm Wednesday 30 July 2008

Venue: Department of Fisheries offices - 39 Northside Drive, Hillarys, Perth

RSVP: [fiona.vomberg@fish.wa.gov.au](mailto:fiona.vomberg@fish.wa.gov.au) before 21 July 2008

### Dr Dave Newman



David Newman is the Chief of the United States National Cancer Institute's Natural Products Branch Developmental Therapeutics Program

in Frederick, Maryland.

He graduated from the University of Liverpool in 1963 with a Master of Science degree in synthetic organic chemistry, working under Professor George Kenner FRS on pyrrole and porphyrin syntheses.

He worked as a synthetic chemist at Ilford before joining the Agricultural Research Council's Unit of Nitrogen Fixation at the University of London, working with Professor Joseph Chatt FRS as a research assistant in metallo-organic chemistry.

In 1966 he transferred to the microbial biochemistry group as a graduate student under Professor John Postgate FRS. Two years later he was awarded a Doctor of Philosophy for work on microbial electron transport proteins from *Desulfovibrio*.

He then moved to the United States, to the University of Georgia's Biochemistry Department to work on protein sequencing of *Desulfovibrio ferredoxin*.

In 1970 he shifted to private industry, joining Smith Kline and French Laboratories (now Glaxo Smith Kline) in Philadelphia as a biological chemist, focusing on biological chemistry and antibiotic discovery during a 15-year career which ended when the antibiotic discovery program was dissolved in 1985.

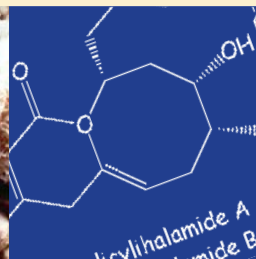
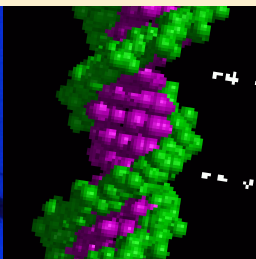
Between 1985 and 1991 he worked in marine and microbial discovery

programs for Air Products, SeaPharm and Lederle.

He joined the National Cancer Institute's Natural Products Branch in 1991 as the chemist responsible for marine and microbial collection programs. He was presented with the National Institute of Health's (NIC's) Merit Award in 2003 for this work. The NIC is the U.S. Government's umbrella organisation comprises 26 institutes of which the National Cancer Institute is the largest, with 4500 employees.

He acted as head of the Natural Products Branch from 2004 before a formal appointment to the position in 2006.

Dr Newman has written or co-written more than 110 papers, reviews and book chapters, edited the book *Anticancer Agents from Natural Products* and holds 18 patents.



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