

# Marine Biodiscovery: Research & Applications

15-16 June 2010 – University of Aberdeen, Scotland, UK

This meeting, coinciding with the opening of the new £1.6M Marine Biodiscovery Centre, will address the potential for new products and processes from the marine environment, with a particular emphasis on the technical challenges and realising successful outcomes. This will cover novel pharmaceuticals and high value chemicals such as biomaterials, nutraceuticals and personal care products as well as novel enzymes with unique activities. Academic and industrial aspects will be presented and there will be a showcase for Scottish companies and facilities. The meeting will run from 13:00 Tue 15 June to 13:00 Wed 16 June to allow for travel.

## Speakers & Topics:

Frithjof Küpper, Scottish Association of Marine Science, UK

*Accessing and assessing marine biodiversity*

Ute Hentschel, University of Würzburg, Germany,

*Single-cell genomics, metagenomics and cultivation-based approaches towards natural products discovery from marine sponge-associated microbiota*

Phil Crews, University of California, Santa Cruz, USA

*Inspirational structures of bioactive marine natural products*

Peter Sadler, University of Warwick, UK

*Metal Speciation: the crucial role of ligands in biological activity*

Marc Diederich, Laboratoire de Biologie Moléculaire et Cellulaire du Cancer, Luxembourg

*Marine compounds as inhibitors of pro-inflammatory, proliferative and anti-apoptotic mechanisms*

Steve Winwood, Martek, USA

*Omega-3 DHA suitable for use in infant formula by controlled fermentation of marine algae*

Jan Buch Andersen, Biotec Marine Biochemicals, Norway

*Industrial enzymes from cold-adapted organisms*

Simon Munt, Pharmamar, Spain

*Taking marine-derived compounds into the clinic – the Yondelis story.*

Dan Morse, University of California, Santa Barbara, USA (Plenary)

*From silica skeletons of sponges to dynamically tunable photonics in squid: bio-inspired materials open new horizons for marine biodiscovery*

## Showcase for Scottish Companies and Facilities

Andrew Mearns-Spragg, Aquapharm Biodiscovery, UK

Charlie Bavington, Glycomar, UK

Peter Green, NCIMB, UK

Ursula Witte, Oceanlab, UK

Steven Dodsworth, Marine Science Park, Highlands and Islands Enterprise

**Sponsors:** The Royal Society of Chemistry, Highlands and Islands Enterprise, Biosciences Knowledge Transfer Network, Thermo, Varian Inc., Syngenta, Aquapharm Biodiscovery, Glycomar

**Cost for meeting: £50 (£25 for students)**

**Reaching Aberdeen:** Aberdeen is well connected by air to many UK and several international airports (Paris, Amsterdam, Copenhagen, Oslo) and by mainline rail and road. We will endeavour to assist you in finding local accommodation.

**Registrations:** <https://www.store.abdn.ac.uk/>  
Under 'Conference & Events'

**Further information:**

Contact Marcel Jaspars – [marinebiodiscovery@abdn.ac.uk](mailto:marinebiodiscovery@abdn.ac.uk)