



Natural Product Biotechnology 2014

Sustainably exploiting biodiversity to make life better

18 – 20 November 2014 – INVERNESS, SCOTLAND

CALL FOR PAPERS

Natural Product Biotechnology is a significant new conference for people with a range of interests in high value natural products, their application in drug discovery, improving diet and health, and also their use in a range of other biotech industries, such as bioenergy processes, consumer goods and personal care products.

Submission of papers is now invited to include, but not limited, to the areas outlined below, and abstracts from multi-disciplinary teams will be welcomed. The range of topics reflects the ambition to host an inclusive conference, covering many areas with a connection to natural bioactive compounds. While it is anticipated that the final programme may concentrate on species from Northern temperate climates, abstracts referring to plants or marine species from other regions are also relevant.

The conference's scientific steering group will offer the authors of selected abstracts either the chance to make an oral presentation to the conference or to display a research poster at its exhibition – please state if you wish an abstract only to be considered as a potential poster presentation. Individual researchers and groups are also invited to consider submitting a proposal for a workshop session, to give them an extended opportunity to discuss their work with other delegates.

Potential contributors should be aware there is an ambition to compile a peer-reviewed publication after the conference, based on papers presented. Authors wishing to have their work considered for inclusion in this should state so when submitting their abstract, and must be prepared to produce a written paper of a suitable standard in due course.

Authors who are successful in having work accepted for the programme agree to register at least one delegate place at the conference – a reduced rate will be available for them – and in addition the organisers hope to be able to offer some student bursary places, and/or assistance with travelling expenses, if resources are available.

Abstracts should consist of a one-paragraph summary (ca. 150 - 200 words) a list of 3 - 5 key words, the contact details of all the authors, and a correspondence address. This should be sent to the organisers at contact@icnpb.org by **Friday 30 May 2014**, and it is expected the provisional programme will be made public by 30 June 2014. Any informal enquiries about the conference may also be sent to contact@icnpb.org or the conference secretariat, at PO Box 5744, INVERNESS, Scotland, IV1 9DP.



University of the
Highlands and Islands
Oithigh na Gàidhealtachd
agus nan Eilean



Queen Margaret University
EDINBURGH



UNIVERSITY
OF ABERDEEN



CALL FOR WORKSHOPS

As well as themed sessions of oral presentations, the organisers are looking to include focussed workshops. This stream within the conference is particularly aimed at knowledge transfer between researchers and industry, and will provide a stage to demonstrate collaborations between businesses and research groups, emerging techniques with commercial potential, or for businesses to demonstrate ideas and new products which need commercial or research collaborations to take to market. The organisers are also open to considering any other relevant proposals for workshops, such as special interest sessions not covered under the conference themes – while businesses or organisations looking for a platform to promote their products and services will be able to host a sponsored workshop – guidelines about this will be available at the website www.icnpb.org and informal enquiries should be sent to the organisers at contact@icnpb.org

Workshops are expected to last for around 60 minutes, and space will be available to set up equipment demonstrations or other displays. They could range from very small round-table discussions to theatre-style sessions for audiences of up to around 130. Abstracts of workshop proposals should consist of a one – paragraph summary (ca. 150 - 200 words) a list of 3 - 5 key words, the contact details of all the authors, and a correspondence address. They should also outline the proposed format and any special requirements – for example, side-benches to display equipment. Workshop proposals should also be sent to the organisers at contact@icnpb.org by **Friday 30 May 2014**.

Main Conference Themes

Identification: The isolation and characterisation of bioactive compounds from wild plants, crop species, the marine environment and microbial sources. Approaches to screening for promising substances.

In vivo and in vitro methods for scaling up production: Plant science, agronomy and forestry; marine biology and aquaculture; sustainability and potential for exploitation of wild sources. Consistency of supply. Process chemistry and bioprocessing.

Testing and development: Formulation science and delivery approaches, especially handling and processing technologies which protect natural ingredients. Testing and developing new products and new applications for known compounds. The structural functions of natural ingredients. The use of natural products in the food and health arena, for example in food technology, functional foods and nutraceuticals. Demonstrating effectiveness in clinical conditions, clinical trials, health claims and intervention studies. Population benefits of dietary constituents and other public health considerations.

Other relevant topics: The place of natural product biotechnology and high value materials in bioenergy; dealing with waste, environmental remediation, and other innovative applications; regulatory science, and legal considerations; the impact of natural product exploitation on biodiversity, water and energy resources and other environmental considerations; approaches to improving product development pathways.

