

International Conference on Natural Product Biotechnology 2017

Sustainably exploiting biodiversity to make life better

25-26 September 2017 – ABERDEEN, SCOTLAND



CALL FOR PAPERS

Natural Product Biotechnology ([NPB](#)) is an international and multidisciplinary research, knowledge transfer and business development conference focussed on biotechnology and high value natural products. The 2017 meeting will provide a forum to establish and strengthen research and business links, and is being held in conjunction with the Joint International Conference on the Mechanism of Action of Nutraceuticals and International Union of Basic and Clinical Pharmacology, Natural Products Section ([ICMAN-IUPHAR](#)), which takes place on 27-29 September, in the same venue.

The aim of NPB 2017 is to engage the life science and biotechnology communities to discuss natural product resources and sustainable feedstocks, sustainable technologies and the circular economy. The conference organisers have an open call, and are welcoming the receipt of abstracts for oral and poster presentation covering the science and technology underpinning the identification, purification, processing and application of high-value bioactive chemicals from the marine environment (wild harvesting and aquaculture), native plants and crop species, and microbiological sources. NPB deliberately encourages broad conversations, so abstracts from allied fields are also welcome - for example, presentations discussing the products of waste valorisation, or how technologies could be applied in the context of food security or clean water supply.

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. Please indicate if you would like your work to be considered only for an oral or for a poster presentation.

Please send your abstract to submit@icnpb.org by Friday 16 June 2017. Authors who are successful in having work accepted for the programme are expected to register at least one delegate place at the conference, space will not be made available for unaccompanied posters.

Any general enquiries about the conference may sent to contact@icnpb.org or the conference secretariat, at PO Box 5744, INVERNESS, Scotland, IV1 9DP



Topics relevant to NPB Programme

Testing and development:

- Protecting the bioactivity of ingredients
- Developing new products and demonstrating new applications for known compounds and established processes
- The use of natural products in the food and health arena

Impact of natural product exploitation on biodiversity, water and energy resources - sustainability and the circular economy

Natural Product Biotechnology



Scaling up production:

- Plant science, agronomy and forestry; marine biology and aquaculture
- Sustainability and the potential for exploitation of wild sources
- Biorefining and bioprocessing
- Consistency and quality of supply

Integrating natural product discovery and bioengineering with other sustainable technologies in dealing with waste, environmental remediation, food security and bioenergy

Identification: Dereplication, isolation and characterisation of bioactive compounds from wild plants, crop species, the marine environment and microbial sources

ICMAN

IUPHAR
International Union of Basic and Clinical Pharmacology

Novel sources of nutraceuticals and natural product pharmaceuticals

Bioavailability/pharmacokinetics of nutraceuticals and natural product pharmaceuticals

Translating novel pathways and mechanisms of action into the clinical use of nutraceuticals and natural product pharmaceuticals

Personalized nutrition and natural product medicine: therapeutic evidence and regulatory requirements

Two different worlds? - addressing the convergence between nutraceuticals, TCM and western medicine

Drug/nutrient/microbiome/lifestyle interactions