



marine biodiversity centre

why marine?

resources and expertise

Marine Biodiscovery Centre Compound and Extract Libraries



Biodiscovery is the discovery of compounds from natural sources with biological applications. It also encompasses the use of ideas inspired by nature to develop novel pharmaceuticals and other products.

Biodiversity is used as a source to generate **chemical diversity** that is used to find initial biological activity in disease focused screens.

The broad concept of biodiscovery also includes the use of these compounds and ideas as biomedical research tools, antifoulants, catalysts, nutritional supplements (nutraceuticals) and personal care products (cosmeceuticals).

The marine environment provides a broad range of diverse habitats from which novel sources of natural compounds can be derived. Studies from around the world have shown that marine organisms produce a diverse array of compounds with novel chemical structures and potent biological activities as well as other desirable properties.

The centre brings together complementary expertise in biology, chemistry, compound isolation and characterisation.

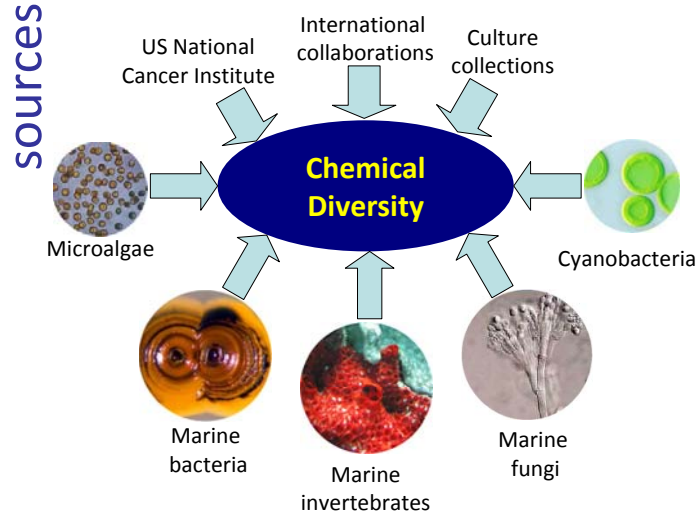
The biodiscovery centre has a library of extracts and pure compounds from marine organisms. This library is available to be used for biological research and drug discovery.

Compounds and extracts are available for screening in a 96-well format.

Expertise and facilities for isolation and structural characterisation of compounds can also be accessed.

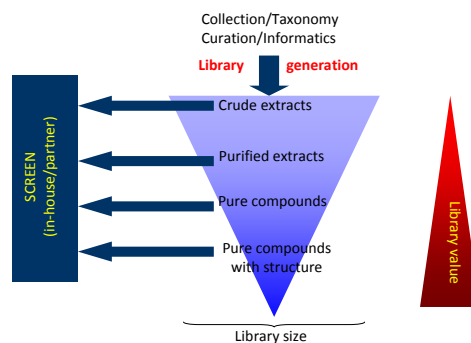
Contact: Marcel Jaspars
01224 272895; m.jaspars@abdn.ac.uk

sources

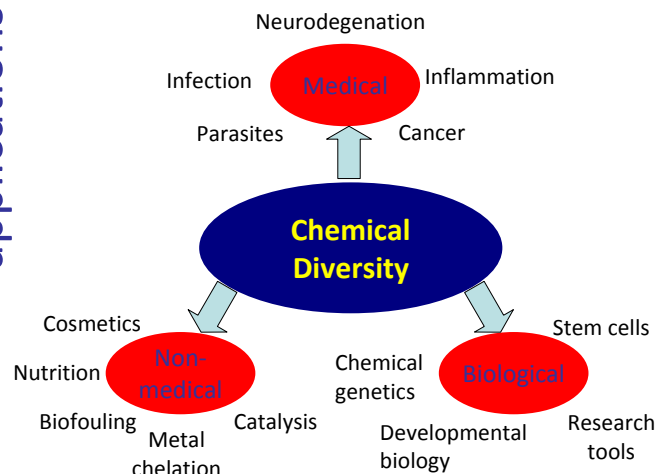


All material is obtained under the tenets of the Convention on Biodiversity

libraries



applications



facilities

