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Opportunities and Challenges in Marine Natural Product Discovery

While natural product discovery programs have had many successes there are significant challenges that hamper current efforts. One primary issue is the growing frequency of the discovery of known natural products. A second concern is the vast untapped potential “hidden” in silent biosynthetic pathways. The presentation will review our current efforts to combat these issues. Specifically, the talk will discuss our generation of a diverse and relevant microbial library, a metabolomics method (based on UHPLC-HRMS), and the use of novel induction methods to identify cryptic natural products.

Datum: Thursday, April 23th, 2015, 12:45 h
Ort: GEOMAR, lecture hall, Düsternbrooker Weg 20, Westshore