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***Plakortis* polyketides:  
A treasure trove of structural diversity and biological  
activity**

Marine secondary metabolites are regarded as unique tools to investigate biology and precious leads to design new drugs. The pharmaceutical potential of marine organisms is evidenced by the dozens of compounds in the clinical pipelines, seven of which are FDA-approved. Sponges of the genus *Plakortis* offer a nice example of the astonishing chemo-diversity elaborated even by a single species. A series of alkaloids, glycosphingolipids, polyketides endowed with a great bio-pharmacological potential have indeed been isolated from *Plakortis* sponges. This seminar will summarize a decennial research activity on these organisms, highlighting the most significant chemical and biological results.

Date: Thursday, 27th April 2017, 1:15 pm  
Venue: GEOMAR Westshore, Düsternbrooker Weg 20, Lecture Hall  
Host: Prof. Dr. Deniz Tasdemir