## New cembranoids from the octocoral Sarcophyton stellatum

研究生:陳怡偉 指導教授:許志宏

Crude extract of soft coral Sarcophyton stellatum, collected from Dongsha Atoll, has been shown to exhibit anti-inflammatory and anti-bacteria activities. The first chemical investigation of this marine organism was carried out by our group, and led to the isolation of six new cembranoids, compounds 1 to 6, along with fourteen known metabolites (7–20). The structures of these compounds were established by detailed spectroscopic analysis, including 1D and 2D NMR (<sup>1</sup>H, <sup>13</sup>C, <sup>1</sup>H-<sup>1</sup>H COSY, HMQC, HMBC, and NOESY) spectroscopic data and comparison of the NMR data with those of known analogues.