## **Oceanography Seminar**

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"Coral SclerochronologyHigh-temporal resolution windows for palaeoclimatology, paleoceanography, and paleoecology"

The daily and annual **gw**th bands formed in biogenic carbonates such as coral ske**deridoms**olluscan shells could serve as the highmoral resolution archives for the environmeatad/or physiological changes during their life span. We use skeletological and geocheratiopabaches to investigate the histories recorded in living and fossil specimens. Understandthg past climate variability and oceanographic events in the tropical ocean is a high priority deng-term observation is very limited in these area. Tropical shallow water corals could live up to several hundreds years and the decadal to cestarty of climate and oceanic signals satisfylobal warming, ocean acidification, El no-