



## Analysis Seminar

**Title:** Inner iteration of holomorphic functions on hyperbolic domains

**Speaker:** M. Mackey

**Date:** Tue 5th December 2017 at 4:15PM

**Location:** SCN 125

**Abstract:** If  $(f_n)$  is a sequence of holomorphic self-maps of a domain then the associated inner iterated function system is  $(F_n)$  where  $F_n = f_1 \circ \dots \circ f_n$ . We survey results of Gill, Lorentzen, Beardon et al., Keen and Lakic, and Bracci concerning the convergence of such systems, focusing (in the spirit of the Denjoy-Wolff theorem) on conditions which guarantee that limit points are constant.