You are cordially invited to a talk in the Edmond J. Safra Center for Bioinformatics Distinguished Speaker Series.

The speaker is Prof. Uri Keich, School of Mathematics and Statistics, University of Sydney

**Title:**  "Comparing sequence motifs"

**Time**:  Wednesday, 10 July 2013, at 12:10  (refreshments from 12:00)

**Place:**  Schreiber building, room 309

**Abstract**: The growth of motif databases such as JASPAR, TRANSFAC, and the protein-binding microarray (PBM)database spurred the development of motif database search tools. Tools such as

TomTom or STAMP are designed to detect whether a given motif is “significantly similar” to a known database motif. We will discuss the core issues that one needs to tackle when designing such tools concentrating on how we measure the similarity between motifs and how do we assess the statistical significance of this similarity.

Joint work with Emi Tanaka, Tim Bailey and Bill Noble

**Host**: Prof. Ron Shamir,  rshamir@tau.ac.il,  School of Computer Science, Tel Aviv University