

**Tuesday 6<sup>th</sup> January, 2015 at 14:30-15:30 in room 4.39:**

Professor Claus Thorn Ekstrøm from the Biostatistics department at KU will give a lecture.

**Title:** "Interactive and dynamic graphics in teaching, presentation and research"

**Abstract:** Graphics play an integral role in teaching statistics, reporting analysis results, and in exploratory data analysis. Journal articles, textbooks and most statistical software packages produce static graphics but recent trends in statistical visualization are leaning more and more towards living presentations based on interactive graphics. In this talk, I will discuss and present how R can be used to produce dynamic graphics for teaching statistical concepts, presenting data, exploring high-dimensional data, and summarizing the results from statistical analyses. Several R packages introduce various approaches to interactive graphics and the talk will mainly focus on implementations integrating with javascript and the implications that interactive graphics will have in the future.