**Workshop “How to use statistics” for all CiM lab members**

**(Please note that CiM IMPRS Graduate School students have a separate workshop on 9th and 10th of December and should write to Martin Wild if they want to take part)**

**Date:** 7.12.2016 (9:00 – 17:30)

 8.12.2016 (9:00 – 17:00)

**Place:** ZIV Schulungsraum SRZ 102, Orleans-Ring 12 (1.OG, links)

**Trainer:** Dr. Thomas D’Souza, Geschäftsstelle für Hochschuldidaktik an Hochschulen für Angewandte Wissenschaften BW, Karlsruhe

This training program is designed to assist doctoral candidates and young scientists in life sciences in their use of statistical tools and methods for their research. The workshop will concentrate on how to apply statistics correctly. It will not introduce specific statistical software.

**Topics :**

* Basics of statistics and experimental designs
* Descriptive statistics and graphical presentation
* Simple statistics tests (t-tests, Wilcoxon, correlation and regression, frequency tests)
* ANOVAs (one- and multi-factorial, nested)
* Bonferroni-corrections and procedures for multiple testing