

**Wiener Biometrische Sektion
der Internationalen Biometrischen Gesellschaft
Region Österreich – Schweiz**

<http://www.meduniwien.ac.at/wbs/>

Einladung zum

Biometrischen Kolloquium

am Dienstag, den 11. Mai 2010 um 11:00 Uhr (s.t.)

in der Informatikbibliothek (Ebene 3, Raum 88.03.806) der
Besonderen Einrichtung für Medizinische Statistik und Informatik
(MSI) der Medizinischen Universität Wien
Spitalgasse 23, 1090 Wien

Vortragender:

Sven Ove Samuelsen (University of Oslo, Norwegen):

**Case-cohort and Nested case-control studies: differences
and similarities**

Wir freuen uns auf zahlreichen Besuch.

Georg Heinze
Präsident

Martin Posch
Sekretär

Case-cohort and Nested case-control studies: differences and similarities

Sven Ove Samuelsen
Department of Mathematics
University of Oslo

Case-cohort and nested case-control studies are case-control studies performed within a time perspective, thus within a survival analysis framework. They differ with respect to how controls are sampled and traditionally to how they are analyzed. I will give a review of the designs, traditional analysis methods and the arguments given in favor of each design. However, the essential difference lies in the control sampling. Thus it is, at least to some extent, possible to construct analysis methods that combine the advantages of the designs. One such approach is inverse probability weighting, but also maximum likelihood methods have been developed.