



Basel Epidemiology Seminar

**2-day course on Causal inference  
Provided by Prof. Miguel Hernan  
Jointly organized by BBS and BES**

**Date:** Aug 19-20, 2019  
**Time:** 9:00 – 17:00h  
**Location:** Roche Auditorium  
(exact location will be communicated once enrollment is closed)  
**Fee:** Industry: CHF 200.- / Academia: CHF 100.-  
/ Students: 10 seats available free of charge  
**Registration:** By e-mail to [fred.sorenson@xcenda.com](mailto:fred.sorenson@xcenda.com)

**BBS**  
Basler Biometric Section



**Causal inference from real world data: emulating a target trial to evaluate what works**

The course introduces students to a general framework for the assessment of comparative effectiveness and safety, with an emphasis of the use of routinely collected data in healthcare settings. The framework relies on the specification and emulation of a hypothetical randomized trial: the target trial. The course explores key challenges for causal inference and critically reviews methods proposed to overcome those challenges. The methods are presented in the context of several case studies for cancer, cardiovascular, renal, and infectious diseases.