

Kolloquium „Statistische Methoden in der empirischen Forschung“

Wann: 10. Februar 2026, 17:00 – 18:30 Uhr

Wo: [Campus Charité Mitte, Raum 02.002, Virchowweg 10, 10117 Berlin](#)

Online-Übertragung: der Link wird auf der [Website](#) zur Verfügung gestellt

Vortragssprache: Englisch

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Vaccine science in the Global Context: between public health and systems biology

The value of vaccines in societies worldwide is often underestimated, as is the opportunity to investigate their impact on the human immune system in a very controlled fashion, when we employ them in controlled clinical studies as “probes”.

My presentation will first introduce vaccines as an important tool to improve maternal and child health. I will then use an example of my own vaccine research in Africa to illustrate how we aim to gather new insights into immune ontogeny through controlled designs trials. I will present new methods we developed to optimise the generation of detailed “omic” profiles from minimal blood volumes and give details of our systems biology approach that aims to better understand the development of the neonatal immune system in the presence and absence of vaccination.