



Der Vorsitzende des Promotionsausschusses

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## EINLADUNG

Hiermit lade ich ein zum öffentlichen Promotionskolloquium von

**Herrn M.Phil. Prince Yeboah**

Bioorganische Chemie  
(Prof. Dr. Claus Jacob)

am

**Montag, 22. Juni 2026, 12:00 Uhr s.t.**

per Videokonferenz: Link für MS Teams: <https://bit.ly/4uhfcdb>


Raum für die Prüfung: Raum 1.02, Gebäude B2.1

### **Thema der Dissertation:**

#### **Public Health at a Crossroad: Vaccine Hesitancy and the Knowledge–Behaviour Gap among University Students across Three Different Countries**

This thesis investigates vaccine hesitancy and the knowledge–behaviour gap among university students in Ghana, Ukraine, and Syria using the 5C psychological antecedents' model. Drawing on four cross-sectional studies involving over 10,000 participants, it demonstrates that high vaccine knowledge does not necessarily translate into vaccine acceptance or uptake. Confidence and Collective Responsibility consistently promoted vaccination, while Constraints, Complacency, and excessive Calculation influenced hesitancy. The findings highlight the roles of misinformation / conspiracy beliefs, trust deficits, and structural barriers in shaping vaccination behaviour, with conflict settings further amplifying these challenges. The study validates the 5C model across diverse contexts and shows that vaccine hesitancy is a multidimensional phenomenon requiring trust-based, culturally sensitive, context, and psychologically informed public health interventions.

Saarbrücken, 8. Juni 2026

  
Prof. Dr.-Ing. Georg Frey