



Der Vorsitzende des Promotionsausschusses

EINLADUNG

Hiermit lade ich ein zum öffentlichen Promotionskolloquium von

Frau M.Sc. Ioulia Antonia Exapicheidou

Pharmazeutische und Medizinische Chemie

(Prof. Dr. Anna K. H. Hirsch)

am

Donnerstag, 5. Februar 2026, 13:00 Uhr s.t.

per Videokonferenz: Link für MS Teams:

<https://teams.live.com/join/9340409401490?p=B4m0qUdhrCgXSbW5Wi>

Raum für die Prüfung: Gebäude E8.1 (HIPS), Seminarraum 0.27, EG

Thema der Dissertation:

Various hit-identification and optimization strategies to tackle energy-coupling factor (ECF) transporters for anti-infective development

The escalating threat of antimicrobial resistance (AMR) against key pathogens presents a global health challenge, leading to an urgent need for research on novel anti-infectives. This dissertation addresses these challenges by investigating underexplored energy-coupling factor (ECF) transporters, which mediate nutrient uptake in bacteria and offer selective targeting given that they are absent in humans. Complementary medicinal-chemistry strategies were employed to optimize a known inhibitor of the ECF transporters in a multiparameter fashion, while identifying new inhibitor scaffolds. Overall, the findings highlight the potential of ECF transporters as novel antibacterial targets for developing future anti-infective agents.

Saarbrücken, 22. Januar 2026



Prof. Dr.-Ing. Georg Frey