Antibiotic drug development in ENABLE-2

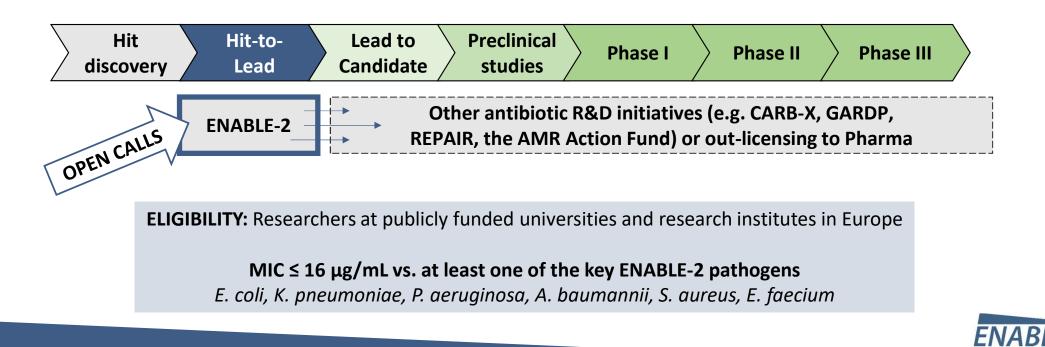
Anders Karlén Coordinator



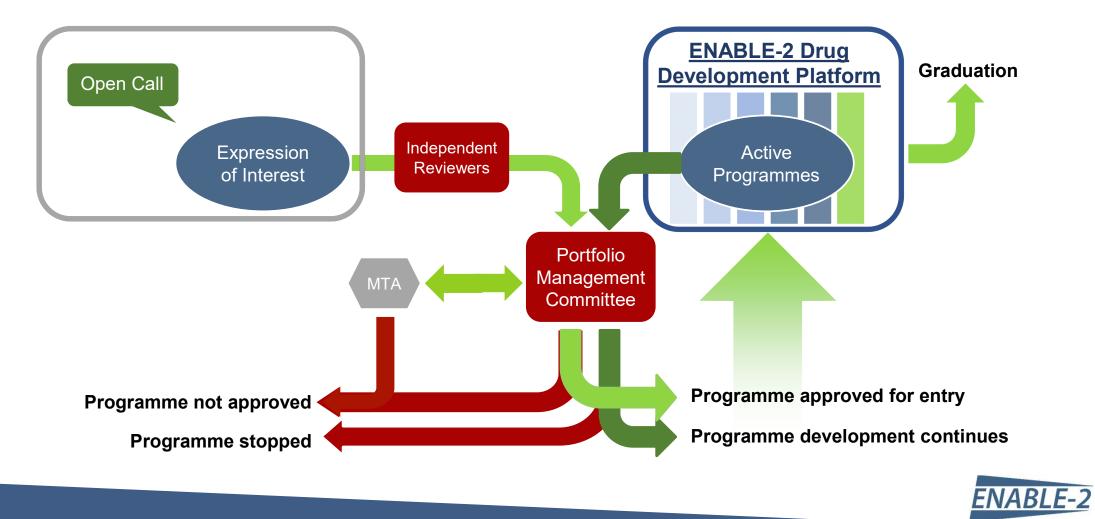
ENABLE-2 is helping to fill the antibiotic pipeline

ENABLE-2 goal

To develop antibacterial Hits coming from university drug discovery projects into high quality programmes that can graduate to other funding bodies for further development



ENABLE-2 Mechanics



Roles of ENABLE-2 partners

Active Programmes (Hit owner)

- Owns all the intellectual property and assay results generated
- Makes all decisions regarding the development of the programme

ENABLE-2 Drug Development Platform

- Provides development advice for programmes
- Conducts assays and MedChem development with input from the hit owner

Portfolio Management Committee

- Provides development advice for programmes
- Decides which programmes will be accepted, continued and terminated

Scientific Advisory Board

Provides advice for programmes, e.g. Target Product Profile, Chemistry issues



Current ENABLE-2 programmes

BamA Inhibitors	GmPcides	Strathclyde Minor Groove Binders
Novel antibiotics that hit a new target against Gram-negative bacteria	A new class of antibacterial compounds against gram-positive bacteria & a well- developed chemistry platform to improve these new compounds Fredrik Almqvist and Helén Fält, QureTech Bio AB	An anti-infective drug discovery programme with a novel mechanism of action resilient to target-based resistance Fraser Scott, Department of Pure and Applied Chemistry, University of Strathclyde
Till Schäberle, Justus Liebig University Giessen		
JEDI	EbsArgent	Ornicidine
A novel target with no preexisting resistance and a new compound class showing very good efficacy in animal	A novel class of antibiotic active against multidrug-resistant gram-positive as well as gram-negative bacteria	A novel class of anti-bacterial agents active against multi drug-resistant Gram-negative bacteria
models Anders Karlén and Diarmaid Hughes, Drug Design and Discovery, Dep of Medicinal Chemistry & Dep of Medical Biochemistry and Microbiology, Uppsala University	Elias Arnér and Mohamad Takwa, Thioredoxin Systems AB	Nathaniel Martin, Leiden University and Stephen Cochrane, Queen's University Belfast



How to apply

Open call on the ENABLE-2 website: www.ilk.uu.se/enable2/apply

Apply to join the ENABLE-2 consortium

Open Call for new antibiotic programmes

ENABLE-2 is accepting applications from researchers at publicly-funded universities and research institutes throughout Europe. The call is for novel Hit compounds with the potential for development as direct-acting antibiotics for systemic use.



Submit your Expression of Interest





ENABLE 2 EXPRESSION OF INTEREST (EOI)

Summary

- ENABLE-2 is funded by the Swedish Government (currently up to the end of 2027)
- We are working on a more long-term financial solution that also includes accepting Eols from SMEs
- There is no cost for the programme owner associated with running a programme in ENABLE-2
- The support of ENABLE-2, a national platform for antibiotics development funded by the Swedish Research Council and the National research programme on antibiotic resistance (Dnr 2021-06603) is gratefully acknowledged



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