

## Research Project

### Ring Expanded Glycomimetic FimH Antagonists as Lead Compounds for anti-UTI Therapies

#### Third-party funded project

**Project title** Ring Expanded Glycomimetic FimH Antagonists as Lead Compounds for anti-UTI Therapies

**Principal Investigator(s)** Ernst, Beat ;

**Organisation / Research unit**

Departement Pharmazeutische Wissenschaften / Molekulare Pharmazie (Ernst)

**Department**

**Project start** 01.08.2018

**Probable end** 31.07.2020

**Status** Completed

The application seeks to identify small molecule anti- adhesins for FimH that will antagonize the association of *E.coli* with cell surface glycoproteins - which is the first steps in the initiation and progression of urinary tract infections (UTI). If successful, this research may yield potentially new therapies for the treatment of UTI, and is thus highly significant.

**Keywords** Bacterial infection, urinary tract infection, septanoses

**Financed by**

Foreign Governmental Research Agencies

Add publication

Add documents

Specify cooperation partners