



**PhD position Antibiotics & Solid-State NMR at Utrecht University (Weingarth group)**

We invite applications for a 4-years PhD position at Utrecht University, The Netherlands. The project deals with i) high-resolution studies of the mode of action of powerful membrane-active antibiotics in their native cellular environment and ii) the rational design of improved antibiotics.

The project is embedded in a highly collaborative setting at the interface between structural biology, chemical biological, and medical chemistry. The project follows-up on highly successful research lines that we could establish over the last couple of years.

We offer access to state-of-the-art NMR machines (950, 900, 800, 700 MHz). Moreover, a 1200 MHz machine will be installed soon. The 800 and 400 MHz magnets are equipped for DNP. The candidate will have access to a well-equipped molecular biology lab, as well as well-equipped facilities for the design of antibiotics. Furthermore, we are located in the Bijvoet Center, where access to other high-end structural biology equipment is readily available.

Utrecht is a charming student city in the heart of the Netherlands.

Applicants should have a degree in biochemistry/biophysics or a related discipline. Experience in molecular biology is highly desirable. Experience in NMR (solution or solids) is a plus, but not required. The starting date is beginning of 2019.

To apply, please send a (brief) cover letter, your CV, and the contact details of two references to:

Dr. Markus Weingarth  
Phone: +31 30 253 9932  
Email : m.h.weingarth@uu.nl

**See the group-homepage for further information:** <https://www.weingarth-group.org>

**Project-relevant publications:** Medeiros-Silva et al. (2018) Nature Communications, [High-resolution NMR studies of antibiotics in cellular membranes](#)

The candidate is offered a full-time position for 4 years. The salary is supplemented with a holiday bonus of 8.0% and an end-of-year bonus of 8,3% per year.