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PhD Candidate in Development and Spreading of Antibiotic Resistance, University of Amsterdam, Netherlands

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Resistance of pathogenic microorganisms against antibiotics causes considerable problems for human health care. The [research](#) group on [antibiotic](#) resistance cooperates with the [Netherlands](#) Food and Consumer Product Safety Authority (VWA) to investigate the contribution of antibiotic usage in the [agricultural](#) sector to the overall [development](#) and spread of resistance. This PhD project aims specifically at elucidating the quantitative relationship between usage of antibiotics and development and transmission of resistance. A large variety of laboratory techniques will be applied, including chemostat cultures and genomic analysis.

Requirements

- A master/academic degree in [Microbiology](#) or [Molecular](#) biology (or equivalent)
- Experience with culturing microorganisms and molecular biological techniques
- Excellent experimental skills in general
- The ability to work both as part of a team and independently
- Fluency in English, both written and orally
- Interest in an applied scientific project

Appointment

The full-time appointment will be on a temporary basis for a maximum period of four years (18 months plus a further 30 months after a positive evaluation) and should lead to a [dissertation](#) (PhD thesis). An educational plan will be drafted that includes attendance of courses and ([international](#)) meetings. The PhD student is also expected to assist in [teaching](#) of undergraduates.

Based on a full-time appointment (38 hours per week) the gross monthly salary will range from €2,042 in the first year to €2,612 in the final year, according to the Dutch salary scales for PhD students. The collective employment agreement (CAO) of Dutch universities is applicable.

Job application

Applications, quoting the vacancy number and marked strictly confidential (in the upper left-hand corner of the envelope) should include a curriculum vitae. Applications should be sent to:

Universiteit van Amsterdam
FNWI Personeelszaken
Postbus 94216
1090 GE Amsterdam
The Netherlands

Further information

Project information can be obtained from Dr Benno ter Kuile, B.H.terKuile@uva.nl; benno.ter.kuile@vwa.nl.

Applications can also be emailed to application-science@uva.nl, bearing the vacancy number in the subject line and relevant documents as attachments.

The closing date is **31 December 2010**.

Visit <http://www.english.uva.nl/vacancies/vacancies.cfm/A06CAA68-38F4-4226-8E7221DBB3439151>

For more information please visit our website: <http://scholarshipsbank.com/phd-candidate-in-development-and-spreading-of-antibiotic-resistance-university-of-amsterdam-netherlands/>

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