

COURSE ON ADVANCED BACTERIOLOGY

BACTERIA - FRIENDS AND FOES

PGS 1810 (2 ETCS)

8 SEPTEMBER- 5 NOVEMBER 2025

This is an on-site and online lecture course. Video of each lecture is saved for a fixed period, during which the course participant needs to pass a Moodle-based test related to the lecture. 2 ECTS points eligible of several doctoral programs (see Peppi for more information). Registration open 13 June - 8 September
<https://student.peppi.utu.fi> OR e-mail course contact

PROGRAMME

All lecture rooms located in Medisiina D and Medisiina C

8.9. 15:00- 16:00 (Säätiö)	What is normal, human microbiome. Eveliina Munukka
10.9. 15:15 - 16:00 (Säätiö)	Microbiome in Population Health Research. Anna Aatsinki.
23.9. 15:15 - 16:00 (Alhopuro)	Exotoxin-targeted drug modalities as antibiotic alternatives. Arto Pulliainen
25.9. 15:15 - 16:00 (Alhopuro)	Cyanobacteria as light-driven factories for the production of renewable chemicals. Pauli Kallio
29.9. 15:15 - 16:00 (Säätiö)	Bacteria as the workhorses of biotechnology. Urpo Lamminmäki
1.10. 15:15 - 16:00 (Alhopuro)	Antimicrobial resistance -mechanism of action. Kirsi Gröndahl-Yli-Hannuksela
6.10. 15:15 - 16:00 (Säätiö)	Detection and prediction of antimicrobial resistance from whole genome sequencing. Teemu Kallonen (Tyks)
8.10. 15:15 - 16:00 (Säätiö)	Antimicrobial resistance and AMR testing in clinical practice. Kaisu Rantakokko-Jalava (Tyks)
13.10. 15:15 - 16:00 (Osmo Järvi)	Antimicrobial resistance as a global threat. Antti Hakanen (Tyks)
15.10. 15:15 - 16:00 (Säätiö)	<i>Streptomyces</i> cell factories for production of antibiotics. Mikko Metsä-Ketelä
20.10. 15:15 - 16:00 (Alhopuro)	Secretion systems in Gram-negative bacteria. Anton Zavialov
23.10. 15:15 - 16:00 (Alhopuro)	Immunity and bacterial infections. Marko Salmi
27.10. 15:15 - 16:00 (Säätiö)	Oral bacteria and their systemic consequences. Ulvi Gursoy
29.10. 15:15 - 16:00 (Osmo Järvi)	<i>Bordetella pertussis</i> -old bacteria emerging again. Qiushui He
3.11. 15:15 - 15:00 (Alhopuro)	Microbial metabolomics. Santosh Lamichhane
5.11. 15:15 - 16:00 (Alhopuro)	Do we still find new infective bacteria? Jukka Hytönen

REGISTRATION: [HTTPS://STUDENT.PEPP.I.UTU.FI](https://student.peppi.utu.fi)

Contact for more info:

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