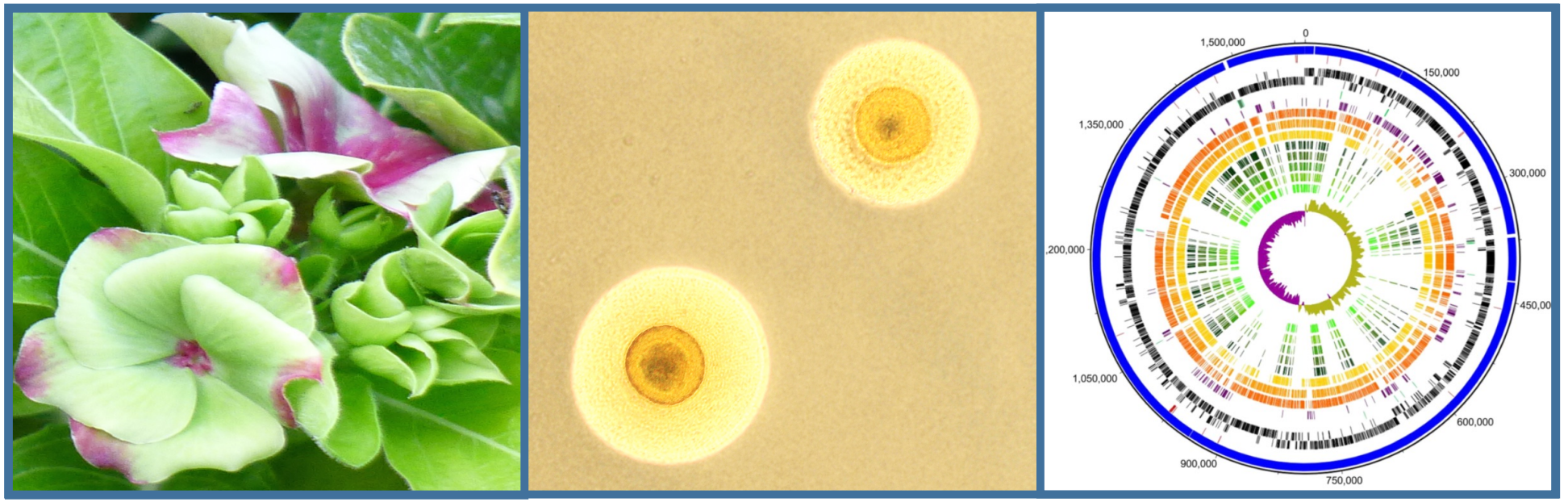
UNIVERSITÄT HOHENHEIM

Agrarwissenschaften/ Nutztierwissenschaften/ Integrative Infektionsbiologie Nutzpflanze-Nutztier (460K)

Research Project (3000-321)

Prof. Dr. Michael Kube



Conditions

- Preference given to international Bachelor students
- Also open, Bachelor of Agricultural Sciences and Bachelor Renewable Resources and Bioenergy

- semester-long module with 30 credits
- Please note the workload, which is calculated at a total of 900 hours! In reality, this means at least **4 working days at the university plus follow-up work.**

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Content and Aims

"Research-based learning" as a programme and objective

- Learn scientific work by participating in an ongoing research project or in a project designed for you!
- You will be supervised by a scientist or a team of scientists!
- Active participation in a research project also means active involvement in the scientific process.
  => project implementation,
  => questions
  => and experimental project planning

How do I get my project?

- Free project topics are posted in ILIAS (Research Project 3000-321) (simply join, view and leave if necessary).
- OR
- Enquire directly with a suitable subject area and/or make a topic suggestion there.

=> In any case, it is up to you!

Modul	**Research Project (3000-320)**
Department	Integrative Infection Biology Crops-Livestock (460k)
Supervisor	Prof. Dr. Michael Kube
Examiner	Prof. Dr. Michael Kube
Topic	***Rhamnus cathartica*, a potential phytoplasma host in Baden-Württemberg?**
In brief	
Phytoplasmas are associated with diseases in >1,000 plant species. The shrub *Rhamnus cathartica* was described as a phytoplasma host in 2004. However, it is unclear which kind of phytoplasma infections occur here and whether the shrub is a common reservoir for these phytopathogenic bacteria and thus also poses a threat to crops. Within the framework of the project, samples are to be taken, molecularly diagnosed and the occurring taxa determined.	
Key words	Phytoplasmas, *Rhamnus cathartica*, molecular diagnostics
Area	Phytopathogenic bacteria
Methods	PCR, Real Time PCR, sequencing
Interests	Collecting sample in nature (cycling hiking), diagnostics, wet lab experiments
Organisation	Individual work or teamwork (on request)
Enquiries/ Application	michael.kube@uni-hohenheim.de

example

(Forscherernst, LJ)

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Topics

- Topics for individual students and groups (with individual defined subtopics)
- 10-20 places/topics will be provided by the departments

- You have to **apply for participation** and the allocation takes p lace via the course management in order to guarantee a supply of the international students
- **So if you have made a decision, please contact Ms Mehrfam** via ILIAS farnaz.mehrfam@uni-hohenheim.de, provide:
  - Name
  - Project topic
  - Course of study/semester
  - Supervising researcher, subject area no.

- **Decision on assignment will be announced via email!**

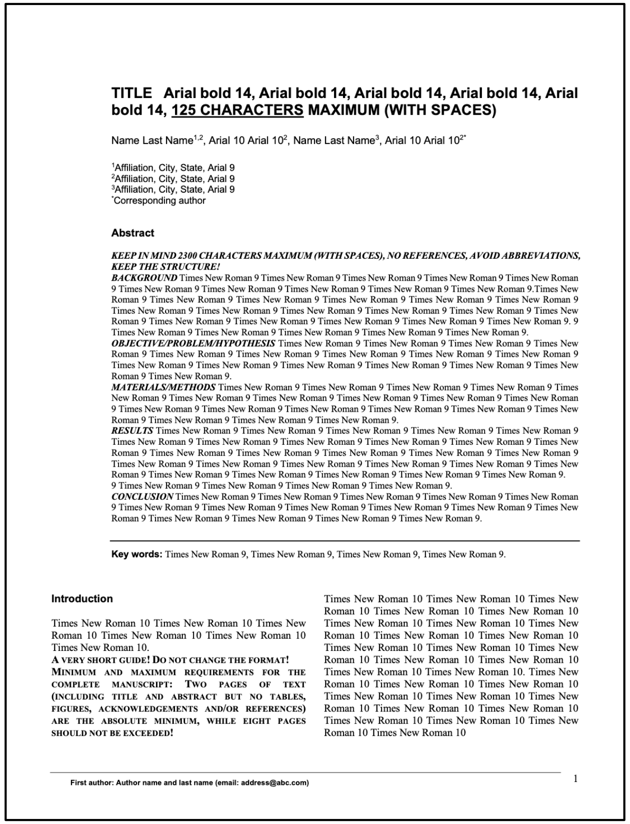
(Forscherernst, LJ)

To do

- **General information on the requirements** *(one-time lecture, compulsory attendance)*
- **Short presentation of own project planning for all course participants** *(course credit)*
- Compulsory personal **meeting** on the progress *(Prof. Kube)*
- **Literature search** *(coursework)*
- Quality and quantity of **work in the project**, part of the practical training ***(graded, 30%)***
- **Department talk**, progress of the project *(coursework)*
- Talk, **final presentation** in the module ***(graded, 30%)***
- **Written** project report in a given format, scientific publication style ***(graded, 30%)***

Dates

- The project topics are available on Ilias from **1 February 2023**
- Final lectures on **3 July 2023** (full-day event)
- Submission of the scientific report to the department no later than **17 weeks after the start of the project**



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[1]Affiliation, City, State, Arial 9
[2]Affiliation, City, State, Arial 9
[3]Affiliation, City, State, Arial 9
[*]Corresponding author

Abstract

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RESULTS Times New Roman 9.
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Introduction

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A VERY SHORT GUIDE! DO NOT CHANGE THE FORMAT! MINIMUM AND MAXIMUM REQUIREMENTS FOR THE COMPLETE MANUSCRIPT: TWO PAGES OF TEXT (INCLUDING TITLE AND ABSTRACT BUT NO TABLES, FIGURES, ACKNOWLEDGEMENTS AND/OR REFERENCES) ARE THE ABSOLUTE MINIMUM, WHILE EIGHT PAGES SHOULD NOT BE EXCEEDED!

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First author: Author name and last name (email: address@abc.com) 1

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⇒ ILIAS:
Forschungsprojekt (**3000-291**)
Research Project (**3000-321**)