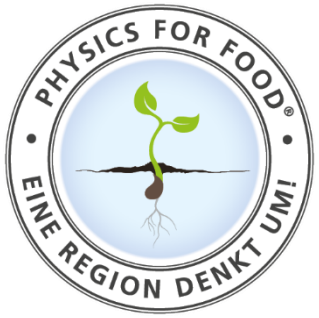


# INTERNATIONAL PROGRAM SPRING SCHOOL (MASTERSTUDENTS)



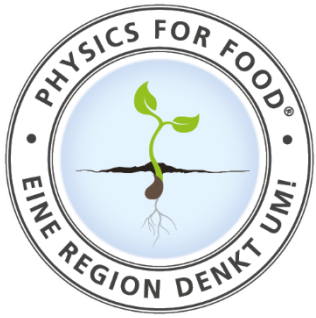


## DATES

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May 2022  
Tuesday, 10 – Saturday, 14



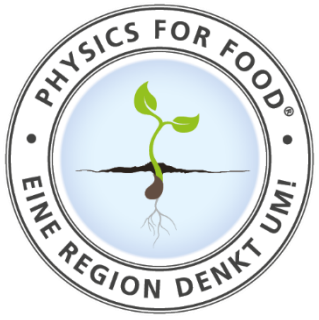


## DESCRIPTION

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- This on-site program provides an interdisciplinary approach to Agri-food Sciences.
- In our Master Lab we draw together expertise from within the University of Applied Sciences Neubrandenburg and the Scientific Research Institute for Cold Plasma in Greifswald and involve many other partners to deliver high quality teaching and practical insights in field and lab research in plant physiology and in sustainable business development.
- You will assess all aspects of the Physics for Food Cluster, aiming to discuss and transfer your insights and learnings both the developing and developed world.
- This program is affiliated with the Partner Universities of the University of Applied Sciences Neubrandenburg.



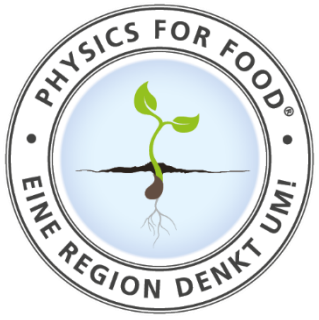


## OBJECTIVES

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- Linking theory and practice: set up your own research proposal
- Familiarize yourself with different concepts and handling of real-life projects
- Generate an important research question, find additional literature, and seek answers
- Define a research agenda, or solution, draft a research proposal or outline a start-up idea, provide reasoning for a feasible research design, and pitch your business proposal.





## OUR PROGRAM CORE TEAM

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Meet the staff who contribute to the teaching and implementation of the Physics for Food Spring School



Prof. Dr. Leif A Garbe

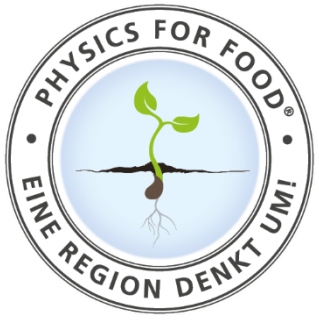


Dr. Christiane Gebhardt



Andrea Hellmann

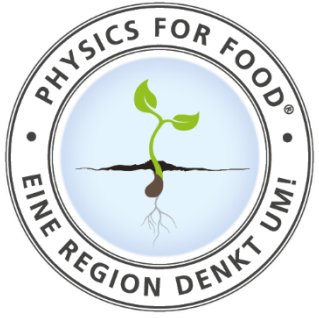




## LOCATION/ CAMPUS

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## TRAVEL AND ACCOMMODATION

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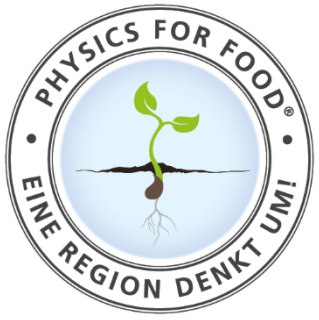
The University mandates that students must secure accommodation for the duration of their stay.

Contact the Student Housing Office via the Program Management



Andrea Hellmann  
hellmann@hs-nb.de





## APPLICATION PROCEDURE / ENTRY REQUIREMENTS: 15. FEB

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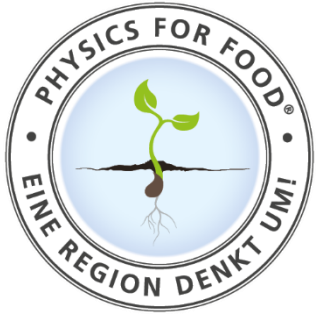
All applicants are expected to apply online through the Link on the Program website: [www.hs-nb.de/physics-for-food](http://www.hs-nb.de/physics-for-food) / [hellmann@hs-nb.de](mailto:hellmann@hs-nb.de)

1. Motivation Letter (1 page)
2. CV and contact data (1 page)
3. certificate of vaccination (2G)
4. TOEFL (You must demonstrate a level of English language competency at a level that will enable you to succeed in your studies, regardless of your nationality or country of residence)
5. Certified Grade Sheet
6. Interest (Research or Pitch)

Questions about your application or how to apply? Contact the Program Management team who look forward to hearing from you: [hellmann@hs-nb.de](mailto:hellmann@hs-nb.de) 8



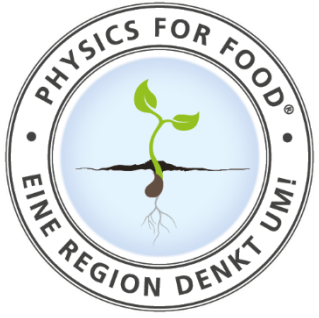




## Deadlines

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- Application/ Uploading Documents: Feb 25 (Friday) 12 noon (CET)
- Confirmation: March 14 (Monday)
- Information Package: April 15 (Friday)

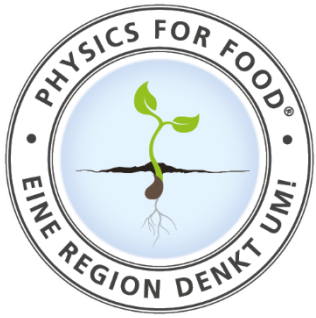


## PROGRAM STRUCTURE

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- Moodle
- Syllabus (Papers, Templates)
- Lectures, Team work, Guests / Key note speakers
- Excursions
- Final paper (pitch or research) 2500 word count: Deadline May 30
- Certificate (2 months upon termination of the Spring School)





# PROGRAM STRUCTURE (1/2)

## Tue Day May 10

10:00-12:30

Welcome Note

Programme, Speakers, Objectives and Organisation

AgroFood Systems and Sustainability

12:30-14:00 Lunch

14:00-18:30

Physics For Food Innovation Cluster Contents, Proceedings, Results

Discussion

Evening Key Note Speaker:  
Start ups in AgroFood:

*Apéro Students Club or Lake site*

## Wed Day May 11

08:30-12:30 Intro Day 2 Warm up

Introduction: How to build a sustainable Business Case

Case from Lund Pitch deck: Sustainable greenhouse, Fertilizer and Citizen Engagement and local restaurants)

Coached Group work:  
Evaluation of the CE value chain/  
Application of SDG/Business Models  
Bugs

12:30-14:00 Lunch

14:00-18:30

Field Day

*Farming in Mecklenburg Vorpommern Plants*

*Research Design do and dont's*

*Results and future work*

*Plant Physiology triggers technical Innovation*

*Local Restaurant/ Pub*

## Thur May 12

8:30-12:30 Intro Day 3 Warm up

Introduction: From Research Question to Social Entrepreneurship

Real Case: Medical Plants in African / GIZ

Discussion:

Student evaluation: Feasibility, Transferability, Success factors, Gaps, Differences to Business Model, Experiences

12:30-14:00 Transfer to Greifswald

14:00-18:30 Lab Day Greifswald:

Group A:

How to build a Research Design and present results – Cold Plasma Seeds

Group Research B

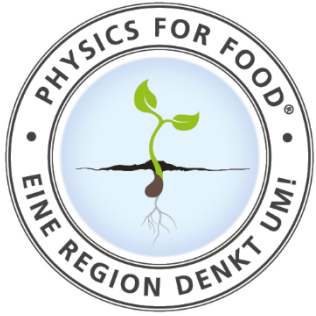
How to build a Research Design and present results – Cold Plasma Plants

Standards, Pitfalls and Lab techniques

*Transfer to Neubrandenburg*

Get together/  
Welcome Meeting





## PROGRAM STRUCTURE (2/2)

### Fri May 12

**08:30-12:30: Intro Day 4**

**Pitching desk, Scenario Based Business model**

**Coached Group work: 4 Scenarios/Teams  
Literature (Evidence), Value Chain, Templates, Case, Business Model**

**Short presentation of ideas  
Introduction: Peer2Peer Consulting Techniques**

*12:30-14:00 Transfer to ZELT and Lunch break*

**14:00-18:30  
Food & Feed Innovation Excursion**

**-> Visit Oil Mill**

**-> Visit Beer Company**

**Dinner@Campfire Lakeside**

### Sa May 13

**08:30-12:30: Intro Day 5**

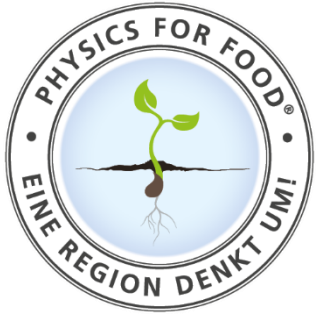
**Pitching desk**

**Team preparation of pitches in break out rooms**

**Presentations  
Q&A with P2P approach  
Feedback from Jury**

**Mind Map/ Learning journey / Feedback /  
Lessons learned  
Next Steps: Reports & Certificate**

*13:30-15:00 Lunch and Goodbye*



## SOCIAL PROGRAM

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Yes! Our Social and Cultural Program is an integral aspect of the program. We organize a variety of events and activities to ensure our students enjoy time outside of the classroom and meet researchers and practitioners of the Physics for Food Cluster

Some events will be completely free of charge while some will require payment (Pub and restaurants)



Looking forward to seeing you  
in Neubrandenburg!

