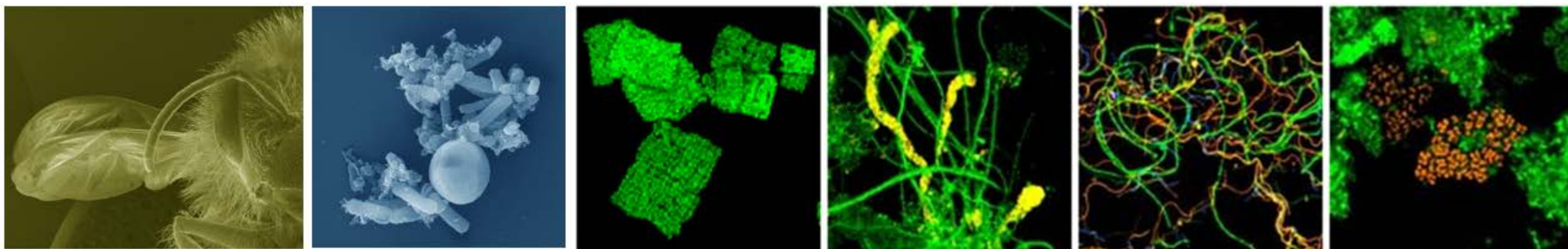




DIMPA: Detection and Identification of Microorganisms in Plants and Arthropods

COST Training School 8-10 October 2018

COST FA1405 "Using three-way interactions between plants, microbes and arthropods to enhance crop protection and production"



Honey bee and gut bacteria in the bee (EM) and FISH images of other micro-organisms *by Natuschka Lee*

The training school offers introduction to techniques related to microorganism identification in plants and insects relevant to plants. Insight into isolation and inoculation methods, FISH and other *in situ* detections, and the possibility to discuss and plan strategies for analyses of metagenomics data. We encourage you to bring your own sample(s) to work with during the labs.

Planning group and teachers: Benedicte Albrechtsen (UmU, coordinator), Judith Felten Swedish University of Agriculture Sciences (SLU, Umeå), Nathaniel Street (UmU), and Natuschka Lee, Umeå University (UmU).

Confirmed invited speakers: Astrid Taylor (SLU, Uppsala), Björn Lindahl (SLU, Uppsala), Philipp Engel (University of Lausanne, CH), Sabine Ravnskov (Århus University, DK), Sandra Jämtgård (SLU, Umeå).

Application to participate in the training school should include a motivation and a list of main interests within the topic. The application of no more than one page, should be emailed to benedicte.albrechtsen@umu.se no later than August 25 2018. Later applicants can not be guaranteed consideration if more than ten applicants apply. Financial support (€500) is offered for each of ten participants.



The ectomycorrhizal fungus *Laccaria bicolor* in an *in vitro* sandwich culture system by Judith Felten.



Logistics

Time: 8-10 Oct

Capacity: 10 Participants

Venue: Umeå University Campus

**Hotel for three nights: 86-270 €/person
depending on place**



Time	08-Oct	Place	Time	09-Oct	Place	Time	10-Oct	Place
9-11	Biological materials (BA/JF)	KBF301	9-	Labs	KBF301	9-11	Integrations Research seminars by invited speakers	KBF301
13-15	Single cells and tissues (JF/NL)	KBF301			labs	13-16	Discussion/WS	KBF301
15-17	Gene and genome (NS/NL)	KBF301				16-17	Insights and way ahead (all + invited)	KBF301
17-18	UPSC tour							
19-	Poster session (5 min presentations by participants) dinner/pub	KBF301 fika room	19-	Lab work presentations dinner/pub	Glasburen			



Schedule, draft

