



FA COST Action FA1103 Endophytes in Biotechnology and Agriculture

Announcement:

EU COST FA1103 Training School 2014: „Experimental Design and Statistical Data Analysis: Applications in R-software for endophyte-related data“

Locality: University of Évora, Prof. Dr. Manuela Oliveira
Prof. Dr. Birgit Arnholdt-Schmitt, EU Marie Curie Chair/ICAAM,
Évora, Portugal

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Local Organisers:

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Trainers:

Manuela Oliveira, Universidade de Évora, Portugal.
Isabel Natário, Universidade Nova de Lisboa, Portugal
Paula Simões, Instituto Superior de Engenharia de Lisboa, Portugal

Program:

The correct design of the experiment, the selection of the appropriate statistical analysis of data and the efficient presentation of results are needed to obtain the right conclusions for any scientific study. The Training School is aimed to provide researchers with the basic skills to design, to statistically analyse their data and to interpret the results within the framework of the analysis of variance. Emphasis will be placed in the modelling aspects of the analysis and the concepts behind the formula more than in their mathematical derivations. The modelling approach gives the researcher the freedom and flexibility to allow easy generalisations so that almost any experiment can be analysed without the constraints of the "canned" classical designs.

The School will include four hours of theoretical aspects in the morning and two hours of hands-on practice in the afternoon. It is not intended to be a course on "how to use a computer package" while the focus will be placed on the methods rather than in the computing aspects. The topics that will be covered will range from the review of basic statistical principles like estimation, hypothesis testing and exploratory data analysis using graphs to more advanced areas like modelling, mixed linear models and mean comparison methods. Classical designs will be discussed on the light of the modelling approach.

Trainees

This course is for Early Stage Researchers (ESR) - young scientists that have completed their PhD less than 8 years ago - in areas that are relevant for the COST Action, f.e. plant sciences, biology, microbiology and genetics. Other participants may apply as well, they will be taken into account in case of available places.

Support:

Max. 20 Early Stage Researchers (preferably, ESR = up to 8 years after obtaining a PhD) from COST Countries and approved Near Neighbour Country (NNC) institutions are eligible for reimbursement. Grants are paid according to the country of origin: 700 € for travel distance < 1.000 km, 900 € for travel distance 1.000-2.000 km and 1.100 € for travel distance > 2.000 km. Invited participants will receive a personal invitation (all trainees) with a Grant letter. The grant is paid after the Training School is held.

Applications

Please apply to Prof. Dr. Birgit Arnholdt-Schmitt by email (eu_chair@uevora.pt) with a brief CV and short letter of application indicating experience and the reason for wishing to attend the Training School.

FAQ

Please note: you may address all questions regarding local organization (travel, accommodation, school organization etc.) to Claudia Santos (Email: claudias@uevora.pt). Please ask for all questions regarding reimbursement or the grant procedure the Grant Holder of COST Action FA1103 Harald Schneider (h.schneider@pflanzenkultur.de).