



SPLIT SUMMER SCHOOL STSS2018

COURSE: BACTERIAL SPOILAGE IN FOOD PRODUCTION PLANTS

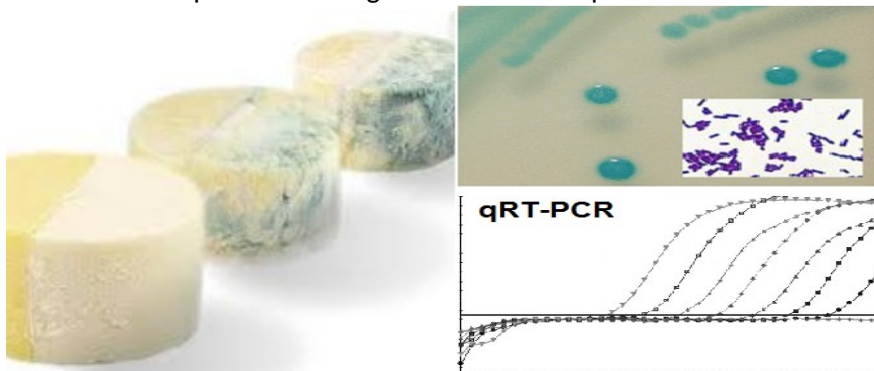
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Web page: <http://www.unist.hr/split-summer-school-2017>

Main topics:

- Types of food spoilage will be explained. Ways of DNA extraction from food matrices
- qPCR principles and its application in food safety
- Detection and identification assays of food spoilage on classical as well as on advanced level
- Ways to protect food and food plants including the HACCP concept



Programme structure:

- 4-day course
- Sample data will be provided for practical work and for final presentation
- Every student gets lecture notes bound into a booklet, as well as a CD containing a digital version of the booklet

Course dates: 11/09/2018 – 14/09/2018

Deadline for application: 01/08/2018

Confirmation of the course: 15/08/2018

Payment due by: 24/08/2018

Price of the course: 300 € (tax included)

Bed & breakfast: 191,36 € (tax included) – contact person: Marina Kero marina.kero@scst.hr

Programme plan:

Day 1

- Types of food spoilage will be explained. Ways of DNA extraction from food matrices will be introduced. (2h)
- Individual work/exercise/seminar (3h)

Day 2

- qPCR principles and its application in food safety. (2h)
- Individual work/exercise/seminar (3h)

Day 3

- More detection and identification assays of food spoilage on classical as well as on advanced level will be presented (2h)
- Individual work/exercise/seminar (3h)

Day 4

- Ways to protect food and food plants including the HACCP concept. Pitfalls in qPCR will be discussed (3h)
- Students' final projects presentations and exams (2h)

Programme lecturers:

Matthias Noll, Ph. D., Professor at the University of Applied Science, Coburg, Germany

Ana Maravić, Ph. D. Assistant Professor at the University of Split, Faculty of Science, Department of Biology, Split, Croatia.

Ivica Šamanić, Ph. D., Assistant Professor at the University of Split, Faculty of Science, Department of Biology, Split, Croatia

Željana Fredotović, Ph. D., Assistant Professor at the University of Split, Faculty of Science, Department of Biology, Split, Croatia.