



SPLIT SUMMER SCHOOL STSS2017

COURSE: GENOTOXICITY AND HOW TO INVESTIGATE IT

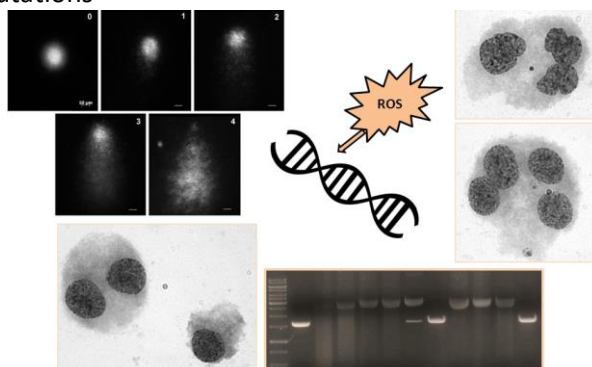
Contact person: Željana Fredotović zfredotov@pmfst.hr

phone: +385 98 568 635

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

Main topics:

- Different types of mutations as well as major genotoxic agents will be explained
- Overview of experimental methods for detection of genotoxicity at molecular and cellular level will be presented
- Different strategies how cells cope with the consequences of the mutations will be reviewed
- Tumours can arise from mutations



Programme structure:

- 5-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

Important dates:

Course dates: 04/09/2017 – 08/09/2017

Deadline for application: 01/07/2017

Payment due by: 01/08/2017

Confirmation of the course: 10/08/2017

Price of the course (**bed & breakfast included**): 300 € (tax included)

Programme plan:

Day 1

- DNA mutations and major agents causing mutations (L, 2h)
- Individual work/exercise/seminar (3h)

Day 2

- Overview of experimental methods for detection of genotoxicity (L, 2h)
- Individual work/exercise/seminar (3h)

Day 3

- Excursion (4-6h)

Day 4

- Cellular response to the DNA damage (L, 2h)
- Individual work/exercise/seminar (3h)

Day 5

- From mutations to cancer (L, 2h)
- Students' final projects presentations (3h)

Programme lecturers:

Jasna Puizina, Ph. D., 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, PhD student, Teaching/research assistant at the University of Split, Faculty of Science, Department of Biology, Split, Croatia