



# International Summer School in Synthetic Biology

## *Dates*

July 23<sup>th</sup> – August 8<sup>th</sup> 2018

## *Place*

Biomedical Center, Uppsala University, Sweden

## *Responsible departments*

Biology Education Center and Department of Cell- and Molecular Biology

## *Aim*

In an international setting, the students will be trained in basic techniques of synthetic biology as well as in generic skills such as research methodology, problem solving and communication. The students will meet researchers performing current relevant biology research at Uppsala University.

## *Course description*

In this course, the students work in small lab groups in safe and well-equipped laboratories. The lectures will include an introduction to tools in molecular biology (RNA and DNA-based technology), Biosafety and Bioethics, Bioinformatics of Molecular Sciences, Synthetic Biology and other top-notch research topics presented by Uppsala University researchers. Lectures and seminars will be combined with experimental work, both in predesigned experiments and smaller projects. All students will be individually coached and will be trained in group work and communication skills. At the end of the course, a student symposium will let the students practice presenting science.

## *Practical information*

The students will be greeted at the airport of Arlanda, a close distance to the safe, old and beautiful city of Uppsala. Students are offered comfortable housing in the small city where it is easy to move around by bicycle, by bus or by walking. The climate is comfortable and the environment; including air and water, is clean. The students will be introduced to the course and the laboratories at Uppsala Biomedical Center. Before returning home, the students will have the possibility to visit the capital of Sweden, Stockholm and also enjoy the nature outside of the city of Uppsala.

## *Prerequisites*

At least a year of studies on a Bachelor's programme in biology or equivalent including 7.5 credits in biochemistry and/or 7.5 credits in molecular biology and/or 7.5 credits in microbiology.

## *Price*

The course fee is 25 000 RMB and includes travels inside of Sweden, food and accommodation.

## *Application*

Apply before March 10th 2018 to Margareta Krabbe, Biology Education Center, Uppsala University; margareta.krabbe@ibg.uu.se; +46704250949. Applicants will get notification of admission no later than April 10th 2018.

## *More information*

info@ibg.uu.se or Margareta Krabbe, Biology Education Center, Uppsala University; margareta.krabbe@ibg.uu.se; +46704250949. For information in Chinese, please contact our project coordinator Yin Zheng Yuan at yin.zheng\_yuan@uadm.uu.se

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