

Summer School of Science 2011

Society for Out of Frame Education and Science and Education Center Višnjan, Croatia



Summer School of Science is an international summer workshop for high school students organized by the Society for Out of Frame Education and Science and Education Center Višnjan, Croatia.

Students work in small groups of three or four on a single scientific project, guided by a young scientist as a mentor. The program includes projects in **biology, chemistry, physics** and **computer science**.

Project work is accompanied by evening lectures given by eminent scientists, as well as workshops that aim to put science in a wider social context.

Participants can attend one of two camps:

Camp **S³** for students from 9th and 10th grade

Camp **S ++** for students from 11th and 12th grade

Official language of instruction and communication is **English**.

Projects:

S³ : 18th July - 25th July

Breaking the Rules - Intrinsically Disordered Proteins

Investigating gene regulation in yeast

Automatic speech recognition

Studying chaos in dripping water

Modeling tensegrity structures in architecture

S³++ : 28th July - 6th August

Bioluminescence: Can bacteria glow like fireflies?

Complex networks as polygon for spreading infections

Digital signal processing with application in sound and image analysis

Protein-protein interactions: Who can compete with SUMO?

Mouse genome: secrets revealed by next-generation sequencing

Biology of Aging: Is Fission Yeast Immortal?

Application deadline: May 1st, 2011

More information on: <http://s3.sci.hr>