

Day	Date	Time	Field	Lecturer	Description of the event
Monday	5.06.2023	14:00	Healthy food and health	D04 (L06) - Mateja Puklavc D11 - Polona Bedina	L06 - Presentation of dyes contained in foods and their separation on the plate. Applying solutions to the plate (visitors). D11 - Demonstration of the production of recombinant proteins. Tour of the laboratories where recombinant proteins are produced and purified: from cloning (gene lab) to transformation in bacteria and cell disruption to purification of the desired protein (protein lab) Presentation of technical analysis and work in popular form.
Tuesday	6.06.2023	14:00	Environmental protection and green energy	D09 (L21) - Petar Djinović D10 (L18) - Jan Bitenc	L21 - Demonstrate the discoloration of an aqueous solution (simulating wastewater treatment, e.g., from the textile industry) using light and a catalyst L18 - Batteries and accumulators of a different kind, from kitchen batteries to batteries for electric vehicles
Wednesday	7.06.2023	09:00	Computational chemistry	D01 (L01) - Jernej Stare (L03) - Katja Venko (L17) - Matej Praprotnik	01 - Demonstration of enzyme catalysis simulation - Presentation of computer equipment developed in the laboratory, simulation of molecular anchoring, the approach of rational planning of medical agents and the search for the properties of chemicals using web browsers - multiscale simulations of soft and biological matter, nanofluidics and presentation of web servers for prediction of binding sites on proteins - Probis and Lisica
Thursday	8.06.2023	09:00	Energy storage and generation	D09 (L20) - Matjaž Mazaj D13 - Ajda Delić	D09 - Demonstration of heat storage by water adsorption in zeolite materials D13 - Demonstration of reactor systems for the conversion of CO <sub>2</sub> to methanol and the conversion of biomass or plastic waste to fuels, and the analysis of fuels on a gas chromatograph with a mass selective detector
Friday	9.06.2023	09:00	Structural chemistry	D01 (L14) - Jože Grdadolnik D15 - Primož Šket	D01 - Demonstration of how vibrational spectroscopy works D15 - Tour of NMR spectrometers, description of work, demonstration of recording NMR spectra, demonstration of propagation of magnetic fields in space, demonstration of cooling spectrometers with liquid nitrogen