



KEMIJSKI INŠTITUT

Vabilo na Forum40 / Invitation to the Forum40

Dr. Neža Omersa

D11, Department of Molecular Biology and Nanobiotechnology

Četrtek / Thursday, 2.12.2021 ob / at 13:00 / on WEBEX

<https://ki-ljubljana.webex.com/ki-ljubljana/j.php?MTID=mf6a8488319074e9568c4c405968929a9>

Meeting number (access code): 2731 285 8066

Meeting password: december2021

Measuring molecular interactions

Molecular interactions are fundamental to almost all processes in biology. We use different biophysical approaches (surface plasmon resonance, isothermal titration calorimetry and others) to identify and screen small or large molecules, monitor regulation pathways, optimize the development of assays that examine the interaction of two molecules, develop new products etc. Moreover, a well characterized molecular interaction can be also eloquent at deducing a biological function of the interactants or assessing a relevance of a certain target. I will present the field and illustrate its potential with our interpretation of different behaviours of protein-cholesterol-binding domains after directed in vitro evolution.

Vljudno vabljeni / Kindly invited