

## PROGRAM

### Monday, December 12

<b>8:00-9:30</b>	Registration and check-in
<b>9:30-9:40</b>	Opening words: Matej Kanduč
<b>9:40 - 11:00</b>	<b>Section I: Membranes &amp; lipid vesicles I</b> Chair: Primož Žiherl
9:40	Saša Svetina: <i>Shapes of phospholipid vesicles containing a single embedded Piezo1 channel</i>
10:05	Matej Kanduč: <i>Adsorption of surfactants: Molecular simulations</i>
10:30	Simon Čopar: <i>Shaping nematic droplets with surface tension</i>
<b>11:00-11:30</b>	Coffee break
<b>11:30-13:00</b>	<b>Section II: Packing, topology &amp; shape</b> Chair: Cristian Micheletti
11:30	Andraž Gnidovec: <i>Dense packings of geodesic hard ellipses on a sphere</i>
11:55	Andrea Tagliabue: <i>A panoramic virtual tour in the world of knotted polyelectrolytes</i>
12:20	Urška Andrenšek: <i>Epithelial wrinkling</i>
<b>13:00-14:30</b>	Lunch
<b>14:30-16:00</b>	<b>Section III: Water and other liquids</b> Chair: Tomislav Vuletić
14:30	Douwe Jan Bonthuis: <i>A glass of water with a pinch of salt</i>
14:55	Marin Šako: <i>Tensile strength of water</i>
15:20	Fabio Staniscia: <i>Apparent line tension induced by surface-active impurities</i>
<b>16:00-16:30</b>	Coffee break
<b>16:30-18:00</b>	<b>Section IV: Membranes &amp; lipid vesicles II</b> Chair: Simon Čopar
16:30	Ida Delač: <i>Organic solution and solute droplet deposition for the functionalization of MoS<sub>2</sub></i>
16:55	Anže Božič: <i>Scaling properties of RNA as a branched polymer</i>
17:20	Danijela Bakarić: <i>Experimental and computational insight into the surface curvature of DPPS lipid bilayers</i>
<b>18:00-19:30</b>	Dinner
<b>19:30</b>	Night sky observation & wine tasting

## Tuesday, December 13

<b>8:00-9:30</b>	Breakfast & check-out
<b>9:30-10:20</b>	<b>Section V: Proteins and membranes</b> <span style="float: right;">Chair: Ida Delač</span>
9:30	Eva Žerovnik: <i>Amyloid fibrils intrinsic fluorescence and its usage for labelfree monitoring</i>
9:50	Matej Kanduč: <i>Pressure response of polymer brushes</i>
10:10	Suzana Inkret: <i>Influence of bovine albumine serum on formation of calcium phosphates and silver nanoparticles composites</i>
<b>10:30-11:00</b>	Coffee break
<b>11:00-12:30</b>	<b>Section VI: RNA &amp; biopolymers</b> <span style="float: right;">Chair: Matej Kanduč</span>
11:00	Valerio Piontoni: <i>Using computational methods to investigate the impact of modified nucleotides on RNA structural dynamics</i>
11:25	Angelo Rosa: <i>Deciphering the interaction of genetic and epigenetic factors through enhanced polymer models</i>
11:50	Francesco Slongo: <i>A QUBO model for melts of self-assembling ring polymers</i>
<b>12:20</b>	Closing words: Primož Zihertl
<b>12:30</b>	Lunch
<b>14:00</b>	Departure