

# Symposium on directed evolution of proteins



Grand Hotel Praha, Tatranská Lomnica

## April 28<sup>th</sup>, 2023 – Friday

<b>16:00</b>	<b>Welcome and opening remarks - Erik Sedlák</b>
16:05-16:30	Pavol Miškovský: <b>History and future of bioscience in Košice</b>
16:40-16:50	Erik Sedlák: <b>CasProt – current status</b>
17:00-17:45	Andreas Plückthun: <b>The design of evolution and the evolution of design</b>
<b>18:00</b>	<b>Dinner</b>
<b>19:15</b>	<b>Welcome drink</b>

## April 29<sup>th</sup>, 2023 – Saturday

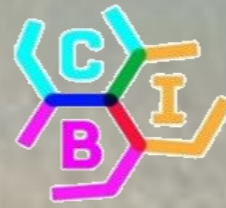
<b>8:00</b>	<b>Breakfast</b>
9:30-10:15	Matthias Rief: <b>Single molecule force spectroscopy for protein folding and cell adhesion</b>
10:25-11:10	Jozef Hanes: <b>Directed evolution of antibodies for detection of low abundant biomarkers in body fluids</b>
11:20-12:00	Zbyněk Prokop: <b>Transforming protein engineering: unleashing the power of kinetics, microfluidics and machine learning</b>
<b>12:15</b>	<b>Lunch</b>
15:00-15:30	Martin Humenik: <b>Directed self-assembly of spider silk protein on surfaces</b>
15:40-16:10	Gabriel Žoldák: <b>Structural mechanics of <i>E.coli</i> Hsp70</b>
16:20-16:50	Mária Tomková: <b>Directed evolution of staphylokinase by ribosome display</b>
17:00-17:30	Erik Sedlák: <b>Design of genetically encoded photosensitizers</b>
<b>18:00</b>	<b>Dinner</b>
<b>19:15</b>	<b>Networking discussion</b>

## April 30<sup>th</sup>, 2023 – Sunday

<b>8:00</b>	<b>Breakfast</b>
10:40-11:50	Round table
<b>12:15</b>	<b>Lunch</b>
<b>Early researcher's presentations:</b>	
15:30-15:50	Veronika Dzurillová: <b>Directed evolution of enzymes – the case of HLDs</b>
16:00-16:20	Veronika Džupponová: <b>Aggregation mechanism of myelomatic human light chain</b>
16:30-16:50	Michal Gala: <b>Computational evolutionary analysis of insertion and deletion events in bacterial Hsp70</b>
17:00-17:20	Veronika Hovanová: <b>Self-assembly of recombinant spider silk protein</b>
18:00-18:10	Closing remarks
<b>18:00</b>	<b>Dinner</b>

## May 1<sup>st</sup>, 2023 – Monday

8:00 Breakfast



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