15th Community Wide Experiment on the

Critical Assessment of Techniques for Protein Structure Prediction

C A S P 15

Akra Hotel, Antalya, Turkey
December 10-13, 2022

P R O G R A M

Day 1: Saturday, December 10

3:00 PM	Registration	
4:00 PM	Welcome Mixer	
5:20 PM	Opening session	Chair: Krzysztof Fidelis
5:20 PM	Welcome	Krzysztof Fidelis
5:25 PM	The CASP15 Experiment (1)	John Moult
5:45 PM	The CASP15 Experiment (2)	Andriy Kryshtafovych
6:15 PM	CAMEO	Xavier Robin
6:40 PM	Disorder in CAID	Damiano Piovesan
7:05 PM	Session ends	
7:30 PM	Dinner	

Main sessions in Side, SIGs in Side, Sedir, and Ladin

Day 2: Sunday, December 11

Time	Session	Chair/Speaker
7:00 AM	Breakfast	
8:45 AM	Sunday morning session	Chair: John Moult
8:50 AM	Overview talk 1: How will recent progress in general deep learning techniques map to our structure prediction problems?	John Jumper
9:30 AM	Protein tertiary structure and assemblies	Chairs: John Moult and Ilya Vakser
9:30 AM	Assessment talk 1: Protein Tertiary structure	Dan Rigden
10:05 AM	Assessment talk 2: Protein assemblies, the CASP perspective	Ezgi Karaca
10:35 AM	Assessment talk 3: Protein assemblies, the CAPRI perspective	Marc Lensink
11:00 AM	Coffee break	
11:30 AM	Predictor talk 1: UM_TBM /Zheng	Peter Freddolino / Wei Zheng
11:55 AM	Predictor talk 2: Yang server/Yang Multimer	Jianyi Yang
12:20 PM	Predictor talk 3: PEZYFoldings	Toshiyuki Oda
12:45 PM	Predictor talk: 4: Venclovas group	Kilment Olechnovic / Justas Dapkunas
1:00 PM	Predictor talk 5: Wallner group	Bjorn Wallner
1:15 PM	Lunch	
2:30 PM	Poster session 1	Chair: Emily Tai
3:30 PM	SIGs (parallel sessions): Disorder and ensembles, Interactions	Chairs: Guy Montelione and Damiano Piovesan, Roland Dunbrack
4:30 PM	Afternoon informal get-together	
5:30 PM	Sunday evening session	Chair: Elodie Laine
5:30PM	Overview talk 2: Protein structure prediction: the past and the future	Minkyung Baek
6:10 PM	Discussion of tertiary structure and assemblies outcomes, challenges, and prospects	Chairs: Dan Rigden, Ezgi Karaca, and Shoshana Wodak
7:10 PM	Session ends	
7:30 PM	Dinner	

Main sessions in Side, SIGs in Side, Sedir, and Ladin

Day 3: Monday, December 12

7:00 AM	Breakfast	
8:45 AM	RNA structure	Chair: Maya Topf
8:45 AM	Assessment talk 1: RNA structure: Puzzles perspective	Eric Westhof
9:15 AM	Assessment talk 2: RNA structure: CASP perspective	Rhiju Das
9:45 AM	Predictor talk 1: Alchemy RNA and Alchemy RNA2	Peng Xiong
10:05 AM	Predictor talk 2: Chen group	Shi-Jie Chen
10:20 AM	Predictor talk 3: RNApolis	Marta Szachniuk
10:35 AM	Predictor talk 4:GenSilico	Janusz Bujnicki
10:50 AM	Coffee break	
11:20 AM	Ligand/Protein complexes	Chair: Torsten Schwede
11:20 AM	Assessment talk	Pat Walters
11:50 AM	Predictor talk 1: CoDock	Shan Chang
12:05 AM	Predictor talk 2: ClusPro	Dima Kozakov
12:20 AM	Predictor talk 3: Zou group	Xiaoqin Zou
12:35 PM	Predictor talk 4: Alchemy LIG, LIG2	Liangzhen Zheng
12:50 PM	Ligand/protein complexes discussion	Chair: Pat Walters
1:10 PM	Lunch	
2:30 PM	Poster session 2	Chair: Emily Tai
3:30 PM	SIGs (parallel sessions): Ligand/protein, RNA structure, AI methods	Chairs: Sergei Grudinin, Rachael Kertsch, Mohammed AlQuraishi
4:30 PM	Afternoon informal get-together	
5:30 PM	Monday evening session	
5:30 PM	Analysis of predicted side chains in CryoEM targets	Tom Mulvaney
5:45 PM	The future of RNA modeling	Chairs: Eric Westhof and Rhiju Das
6:45 PM	Ensembles	Chair: Guy Montelione
7:45 PM	Session ends	
8:00 PM	Gala Dinner	

Gala dinner in Athena

Day 4: Tuesday, December 13

7:00 AM	Breakfast	
9:00 AM	Accuracy estimation	Chairs: Andriy Kryshtafovych and Arne Elofsson
9:00 AM	Assessment talk	Gabriel Studer
9:30 AM	Predictor talk 1: GuijunLab-RocketX	Guijun Zhang
9:45 AM	Predictor talk 2: ModFOLDdock, ModFOLDdockR	Liam McGuffin
10:00 AM	Predictor talk 3: VoroIF	Kliment Olechnovic
10:15 AM	Predictor talk 4: MULTICOM-qa	Jianlin Cheng
10:30 AM	Accuracy estimation Discussion	
10:50 AM	Coffee break	
11:20 PM	SIG meeting outcomes	Chair: Sergei Grudinin
12:05 PM	Participants meeting	Chair: Krzysztof Fidelis
1:05 PM	Lunch	
2:00 PM	CASP15 ends	