

14th Community Wide Experiment on the
Critical Assessment of Techniques for Protein Structure Prediction

CASP 14

Virtual Meeting
November 30 – December 4, 2020

P R O G R A M

DAY 1: MONDAY, NOVEMBER 30 ALL TIMES EST
(SAN FRANCISCO - SUBTRACT 3H, LONDON ADD 5H, CET ADD 6H, BEIJING ADD 13H, SEOUL ADD 14H, SYDNEY ADD 16H; A DATE CHANGE IS POSSIBLE)

10:00 AM	Introduction session	
10:00 AM	Logistics	
10:05 AM	Introduction	John Moulton
10:30 AM	Experimentalists session or are models practically useful?	Chair: Andriy Kryshchak
10:40 AM	Integral membrane protein (Target T1058)	Henning Tidow
10:50 AM	AR9 RNA polymerase (Target H1097)	Petr Leiman
11:00 AM	Phage tail attachment region (Target T1070)	Osnat Herzberg
11:10 AM	Transmembrane receptor (Target T1100)	Andrei Lupas
11:20 AM	Brief communications (T1089, T1054, T1034) and Discussion	Steven Rees, Rhys Grinter, Valerio Chiarini
11:35 AM	Break	
11:50 AM	Data session	Chair: Krzysztof Fidelis
11:50 AM	CASP14 Data and statistics	Andriy Kryshchak
12:10 PM	CASP14 Targets	Lisa Kinch
12:30 PM	Break	
12:45 PM	Structure assessment session	Chair: Krzysztof Fidelis
12:45 PM	3D assessment	Nick Grishin and Lisa Kinch
1:25 PM	High accuracy assessment	Andrei Lupas, Joana Pereira, and Marcus Hartmann
2:05 PM	End of Day 1 main track sessions	

DAY 2: TUESDAY, DECEMBER 1 ALL TIMES EST

10:00 AM	3D results session	Chair: Nick Grishin
10:00 AM	D. Baker groups	Ivan Anishchenko and Hahnbeom Park
10:30 AM	Y. Zhang groups	Wei Zheng
10:50 AM	AlphaFold2	John Jumper
11:20 AM	Questions and Discussion	
11:35 AM	Break	
11:50 AM	Refinement session	Chair: Daisuke Kihara
11:50 AM	Refinement assessment	Dan Rigden
12:25 PM	Feig group	Lim Heo
12:45 PM	Refinement roundtable	Baker group: Hahnbeom Park, Feig group, Dennis Della Corte
1:25 PM	End of Day 2 main track sessions	
1:50 PM	Poster session 1	
	Satellite sessions	

DAY 3: WEDNESDAY, DECEMBER 2 ALL TIMES EST

10:00 AM	Assemblies and domain interaction session	Chair: Torsten Schwede
10:00 AM	CASP assessment	Ezgi Karaca
10:30 AM	CAPRI assessment	Shoshana Wodak and Marc Lensink
10:55 AM	Multi-domain assessment	Dustin Schaeffer and Lisa Kinch
11:15 AM	Break	
11:30 AM	Baker group	Minkyung Baek
11:45 AM	Venclovas group	Ceslovas Venclovas
12:00 PM	Seok group	Taeyong Park
12:15 PM	Assemblies roundtable	Minkyung Baek, Ceslovas Venclovas, Seok group, Mayuko Takeda-Shitaka
12:50 PM	Break	
1:05 PM	Other community experiments	Chair: Jianlin Cheng
1:05 PM	CAMEO	Xavier Robin
1:35 PM	Disorder	Silvio Tosatto
1:55 PM	End of Day 3 main track sessions	
2:20 PM	Poster session 2	
	Satellite sessions	

DAY 4: THURSDAY, DECEMBER 3 ALL TIMES EST

10:00 AM	Contacts and distances session	Chair: Jinbo Xu
10:00 AM	Contacts assessment	Alfonso Valencia and Rosalba Lepore
10:30 AM	tFold	Sheng Wang
10:45 PM	Tripletres	Yang Li
11:00 AM	Roundtable: Distance methods	Zhang group, Sheng Wang
11:20 AM	Break	
11:35 AM	Function session	Chair: Roland Dunbrack
11:35 AM	Function assessment	Sandor Vajda and Dima Kozakov
12:15 PM	Accuracy estimation session	Chair: Chen Keasar
12:15 PM	EMA assessment	Chaok Seok
12:45 PM	EMA roundtable	Nao Hiranuma, Liam McGuffin, Sheng Wang, Jianyi Yang
1:20 PM	Break	
1:35 PM	Comparison with experimental data	Chair: Maya Topf
1:35 PM	Cryo-EM	Andriy Kryshtafovych and Tristan Cragolini
1:55 PM	NMR	Gaetano Montelione
2:15 PM	End of Day 4 main track sessions	
2:35 PM	Poster session 3	
	Satellite sessions	

DAY 5: FRIDAY, DECEMBER 4 ALL TIMES EST

10:00 AM	Deep learning future	Chair: John Moult
10:05 AM	Keynote: Using AI to accelerate scientific discovery	Demis Hassabis
10:45 AM	Deep learning roundtable	Chair: Sergei Grudinin
11:25 AM	Break	
11:40 AM	Covid session	Chair: Andrzej Joachimiak
11:40 AM	Protein design and covid	David Baker
12:20 PM	Current progress in structural characterization of SARS-CoV-2 proteins	Andrzej Joachimiak
12:45 PM	CASP-covid roundtable	Chair: Andriy Kryshtafovych Chaok Seok, Ceslovas Venclovas, Arne Elofsson, Liam McGuffin, Bjorn Wallner
1:35 PM	Conference conclusions	John Moult
1:55 PM	End of Day 5 main track sessions	
2:20 PM	CASP experiment – Participant's meeting	
	Satellite sessions	