

The Practical Application of Artificial Intelligence in Drug Discovery & Development

A scientific conference & networking reception, hosted by Amgen

Wednesday, December 12, 2018, 8:45 a.m. – 6:00 p.m.

Auditorium, Amgen, Cambridge MA

Time	Activity/Topic	Details/Speaker
8:00 a.m.	Arrival/Sign In	
8:45 a.m.	Welcome/Opening Remarks	Aine Hanly/Patrick Dey, Amgen
Morning Session		
9:00 a.m.	Keynote Address: Bringing Machine Learning Models into Pharma; Lessons Learned	Regina Barzilay, MIT
9:45 a.m.	The Use of Matched Molecular Series (MMS) SAR Networks for QSAR Prediction and Design	Christopher Keefer, Pfizer
10:15 a.m.	Learning to Plan and Validate Chemical Syntheses from Historical Reaction Data	Connor Coley, MIT
10:45 a.m.	Break	
11:00 a.m.	Accelerating Drug Discovery Through the Power of Microscopy Images	Anne Carpenter, Broad
11:30 a.m.	Panel Discussion	Morning Speakers/Moderator
12:00 p.m.	Lunch/Networking	
Afternoon Session		
1:00 p.m.	Artificial Intelligence for Pathology: From Discovery to AI-Powered Companion Diagnostics	Andrew Beck, PathAI
1:30 p.m.	From SVM to Multitask DNN: Predicting Compound Activities for Virtual Screening and Target Identification	Thibault Varin, Eli Lilly
2:00 p.m.	Break	
2:15 p.m.	AI Empowered Drug Discovery: From Virtual Screen to Drug ADME Property Prediction	Jie Fan, Accutar Biotech
2:45 p.m.	The Inference Platform for Data Sciences	Venky Soundararajan, Inference
3:15 p.m.	Panel Discussion	Afternoon Speakers/Moderator
3:45 p.m.	Closing Remarks	Patrick Dey, Amgen
4:00 p.m.	Networking Reception until 6:00 p.m.	Amgen Lobby