

## ***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

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