



AI IN PHARMA

CLINICAL TRIALS

6th Annual
Thursday, 13th October | Boston, MA

8:00 AM Registration and Breakfast

9:00 AM Chair's Opening Remarks

John Reynders, Chief Data Sciences Officer, **Neumora**

9:10 AM Keynote Fireside Chat: Using AI in Clinical Trials: Where Are We Now?

- A deep dive into where the industry is now and what is currently holding it back
- Exploring the main breakthroughs in the industry
- Sharing perspectives on the use of AI in Pharma

Andrea de Souza, Associate VP, Research Information and Digital Solutions, **Eli Lilly and Company**

Yongming Qu, VP, Statistics, **Eli Lilly and Company**

9:40 AM Keynote Panel Discussion: Data: Challenges, Issues and Proposed Solutions for Pharmaceutical Companies

Data continues to be the biggest challenge facing AI in Pharma. This panel will discuss the main data challenges which need to be overcome to accelerate widespread adoption of AI in clinical trials.

- How do we address the issue of not having enough prospective data to do analysis on?
- How do we ensure the data collected is high quality without an imposed set of standards?
- How can we integrate data from different sources and account for variation between laboratories collection methods etc?
- Do we need a cultural shift to encourage more data sharing between pharmaceutical companies and hospitals?

- How can we enrich clinical data with data from wearable sensors to continuously monitor patients and provide the researchers with real-time insights?
- How can we use AI to augment the data from clinical trials?
- How can we overcome these data issues to accelerate the adoption and use of AI in the pharmaceutical industry?

Ryan Copping, Global Head of Data Science Acceleration, Product Development Data Sciences, **Roche & Genentech**

Zhaoling Meng, AVP, Global Head Clinical Modeling & Evidence Integration, Digital and Data Sciences, **Sanofi**

Gayle Wittenberg, Head, Neuroscience Data Science, **Janssen R&D**

Luis Olmos, Director of Clinical Affairs, **Unlearn**

10:30 AM Morning Break

Opportunities in Operations and Design

11:15 AM Presentation: Using AI to Improve Operational Efficiency in Clinical Trials

- A deep dive into using NLP mine unstructured data and to screen out information to condense complicated data
- What structures and processes need to be in place to be able to effectively leverage the power of AI to improve the operational efficiency of clinical trials
- Discussing how AI can improve the efficiency of the clinical trial process, to reduce both cost and duration of the clinical trial

Amir Emadzadeh, Director, Data Science, **Gilead Sciences**

11:40 AM Fireside Chat: Leveraging an AI Ecosystem to innovate: Strategies for AI innovators to scale their science

In this session, we will hear, what the future of AI innovations will look like in the Clinical R&D world, and how leveraging the power of innovation ecosystems can help a startup's journey in the space

- Challenges in using AI to accelerate science - why is AI different than other technologies
- Where is the real pickle in AI?
- What are gaps in business models, tools and talent that inhibit AI companies today
- What new solutions are helping the computational scientist, what new solutions are helping the clinical leader?
- Role of an ecosystem playing to strengths - Pharma data science, academic research and technology companies
- Partnering with innovative technology companies - key lessons, methods and best practices

Ganesh Padmanabhan, Founder & Chief Creative Officer, **Stories in AI**
Varun Ramdevan, Digital Health and Technology Partnerships, **J&J**
George Washko, Professor of Medicine, **Harvard Medical School**

12:30 PM Lunch

AI for Patient Benefit

2:00 PM Presentation: Using AI to Create a Personalized Clinical Trial Experience for the Patient

- With the rise of telehealth options post covid, patients are looking for a more personalized experience. Explore how AI has the potential to create a personalized trial participation experience
- Explore how we can integrate multiple types of data to prescribe appropriate and targeted therapies
- Discuss how we can harness biomarker testing to fulfill the promise of precision medicine

Qinghua Song, Senior Director, Head of Data and Statistical Science, **Kite Pharma**

2:25 PM Case Study: Applying AI and ML Methods to Generate Novel Insights from Clinical Data

- A deep dive into how we can use AI to improve the efficiency of analyzing large data sets, which has previously slowed the pace of clinical trials
- Explore how we can use AI to stratify patients and identify patient subgroups
- Discussing how we can harness the power of AI to extract meaningful insights from data

Mohsen Hejrati, Head of AI & Cloud Engineering, **Genentech**

2:50 PM Presentation: Data-Driven Precision Neuroscience

John Reynders, Chief Data Sciences Officer, **Neumora**

3:15 PM Afternoon Break

The Opportunities for AI in Clinical Trials

4:00 PM Presentation: The Application of AI/ML in Clinical Development

Shams Zaman, Director, Global Biometrics & Data Sciences, **Bristol Myers Squibb**

4:25 PM Panel Discussion: What are the Biggest Opportunities on the Horizon for the Use of AI in Clinical Trials?

Bringing a drug to market is a notoriously long and expensive process, with a low success rate. AI will play a major role in transforming the clinical trial process, and ultimately improve the development of safe and effective life changing therapies. There is established awareness and interest in using AI in Pharma, now it's time to demonstrate the value of these tools in the clinical trial process.

- How can we eliminate data silos?
- Is collaboration and changing perception between data and clinical scientists key to accelerating AI in clinical trials?
- Looking to the future, how can we harness the power of AI to answer some of the biggest challenges facing the pharmaceutical industry?

Ariel Dowling, Director, Digital Innovation, **Takeda**

Faisal Khan, Corporate Vice President Advanced Analytics, AI and RWD, **Novo Nordisk**

Alex Aronov, Executive Director, Head of Data Science, **Vertex Pharmaceuticals**

Steve Kundrot, CTO, **TriNetX**

5:15 PM Chair's Closing Remarks

End of AI in Pharma Summit