



QUANTUM COMPUTING: PIONEERING THE FUTURE OF INNOVATION

THOUGHT-PROVOKING TALK & EXPERT PANEL DISCUSSION

Keynote Speaker/Panelist

Dr. Nash Palaniswamy

Chief Commercial Officer at Quantinuum Inc.



Event & Panel Moderator

Larissa Bifano

US Chair, Patent Development & Strategy practice at DLA Piper



Panelists



Rohit Arora

Innovation Lead - Novo Nordisk Bio Innovation Hub



Andrea de Souza

Chief Corporate Development Officer at Qubit Pharmaceuticals



Christophe Jurczak

Managing Director at Quantonation



William Oliver

MIT Professor & Director, Center for Quantum Engineering



DATE

02 April, 2025



TIME

05:00-08:00 PM



CIC, One Broadway, Cambridge 02142
Venue: Venture Cafe

AGENDA

- 05:00 - 05:30 PM _ Check-In
- 05:30 - 06:00 PM _ Welcome and Opening Remarks
- 06:10 - 06:45 PM _ Quantum Generative AI: Transforming Pharmaceutical Innovation, Keynote Talk by Nash Palaniswamy
- 06:45 - 07:00 PM _ Small Break
- 07:00 - 07:45 PM _ Panel Discussion



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Keynote Speaker & Panelist



Dr. Nash Palaniswamy

Chief Commercial Officer at Quantinuum Inc.

Dr. Avinash Palaniswamy is the Chief Commercial Officer at Quantinuum Inc., where he drives global sales, marketing, and business operations. Previously, he served as Vice President and General Manager of Global AI, HPC, and Graphics Sales and Solutions at Intel, leading a team of over 500 professionals and spearheading revenue growth across the AI, HPC, and data center graphics sectors. With over 20 years of experience in accelerator architectures and high-performance computing, Dr. Palaniswamy has held senior leadership roles at Conformative Systems, MSU Devices, and Motorola. He holds three patents, has received a Top Intel Achievement Award, and was named one of HPCwire's People to Watch in 2021. Dr. Palaniswamy earned his Ph.D. and M.S. in Electrical and Computer Engineering from the University of Cincinnati.



Title: **Quantum Generative AI: Transforming Pharmaceutical Innovation**

Abstract: Quantum computing is no longer just a futuristic concept—it's here, and it's revolutionizing the pharmaceutical industry. Explore how Quantum Generative AI is unlocking groundbreaking applications in fields like chemistry, computational biology, and drug discovery. This talk will showcase how the fusion of quantum computing and AI is solving problems once thought impossible, driving innovation, and opening the door to entirely new possibilities for businesses and technology. Quantum Generative AI isn't just an enhancement—it's a necessity. Without quantum computing, AI remains fundamentally constrained, unable to fully harness the quantum phenomena that drive molecular simulations, materials discovery, and next-generation drug design. To truly unlock the future of AI, we must embrace the quantum revolution.

Event & Panel Moderator



Larissa Bifano

US Chair, Patent Development & Strategy practice at DLA Piper

Larissa S. Bifano is a leading intellectual property attorney at DLA Piper, specializing in patent strategy, prosecution, and litigation with a focus on AI systems and emerging technologies. She advises companies across industries, from clean technologies to semiconductor processing, helping them navigate the legal landscape of innovation. Larissa has served as Lawyer in Residence at Harvard Business School's Rock Center for Entrepreneurship and works closely with startups and global tech firms on patent strategy and inter partes review proceedings.



Panelists



Rohit Arora

Innovation Lead - Novo Nordisk Bio Innovation Hub

Dr. Rohit Arora is the Innovation Lead at Novo Nordisk Bio Innovation Hub in Boston, where he drives initiatives focused on integrating advanced data science and machine learning into healthcare innovations. Prior to joining Novo Nordisk, Dr. Arora was a Senior Application Scientist and Group Lead at Iktos, specializing in AI-driven drug discovery. He has also held research positions at Harvard Medical School and Beth Israel Deaconess Medical Center, where his work focused on bioinformatics and integrative genomics. Dr. Arora holds a Ph.D. in Computational Biology and an M.S. in Molecular Nano and Bio Photonics from École Normale Supérieure de Cachan.





Andrea de Souza 

Chief Corporate Development Officer at Qubit Pharmaceuticals

Andrea de Souza is a recognized leader in digital transformation and artificial intelligence (AI), currently Corporate Development Officer at Qubit Pharmaceuticals. With a background that blends neuroscience, technology, and business, and a focus on the emerging frontier where quantum science, technology, and AI are transforming drug discovery and development, she has been recognized by Forbes as one of the Top 100 AI Leaders in Drug Discovery and Advanced Healthcare. Through her portfolio career, Andrea has held pivotal roles at Novo Nordisk, Eli Lilly, NVIDIA and the Broad Institute, where she architected and implemented transformative AI and digital strategies that advanced drug discovery, development, and commercialization. She holds an MBA from MIT Sloan and is a passionate advocate for STEM education.



Christophe Jurczak 

Managing Director at Quantonation

Christophe Jurczak's career includes strategic roles in government, energy and defense, as well as contributions to quantum computing at pioneer Silicon Valley startup QC Ware. He is co-founder and managing partner of Quantonation, the first venture capital firm dedicated exclusively to quantum technologies, and the largest early-stage investor in the sector with 32 portfolio companies worldwide as of Sept. 2024 and \$210m AUM. Christophe sits on the boards of several startups and scale-ups, including PASOAL, Qubit Pharmaceuticals, QphoX, WeLinQ and Nord Quantique, as well as not for profit Unitary Fund, playing a key role in shaping the future of quantum technology. Christophe obtained his PhD in quantum physics under the supervision of 2022 Physics Nobel Laureate Alain Aspect.



William Oliver 

MIT Professor, Director, Center for Quantum Engineering

Dr. William D. Oliver is the Henry Ellis Warren Professor of Electrical Engineering and Computer Science, as well as a Professor of Physics at MIT. He is the director of the Center for Quantum Engineering and the Research Laboratory of Electronics, where he leads research on superconducting qubits and quantum computing technologies. Prior to his current role, Dr. Oliver was a Laboratory Fellow at MIT Lincoln Laboratory, where he contributed to the development of the Quantum Information and Integrated Nanosystems Group. He is a Fellow of the AAAS and APS and serves on the National Quantum Initiative Advisory Committee. Dr. Oliver earned his Ph.D. in Electrical Engineering from Stanford University.



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