

# UConn

RESEARCH



GE HealthCare

UConn Quantum Consortium

# QUANTUM TECHNOLOGY AND HEALTHCARE

## Speakers

**Nicole Wake**, GE HealthCare

**Ali Tamayol**, UConn Health

**Guoan Zheng**, UConn Storrs

## Topics

- ✓ Quantum healthcare applications
- ✓ Corporate R&D in quantum tech
- ✓ Quantum-enhanced ptychography
- ✓ Quantum biotech devices ::::::::::::::
- ✓ Deep tech commercialization

**04/17/2025**  
**2:30 pm – 4 pm**

**Venue: Room 317, Innovation Partnership Building**  
**Address: 159 Discovery Dr. Storrs, 06269 CT**



## UConn Quantum Consortium

# QUANTUM TECHNOLOGY AND HEALTHCARE

### Agenda

2:30-2:33	Sanjeev K. Nayak	Welcome
2:33-2:35	Abhijit Banerjee	Introduction
2:35-2:55	Nicole Wake	Overview GE Healthcare <i>"Intro to GE HealthCare Research &amp; Scientific Affairs"</i>
2:55-3:10	Ali Tamayol	Research <i>"Biomaterials and wearable devices for treatment of soft tissue injury"</i>
3:10-3:25	Guoan Zhang	Research <i>"Ptychography for high-throughput lensless bio-imaging in microscopy"</i>
3:25-3:55	<b>Roundtable</b> (Moderator: Sanjeev K. Nayak)	
	Amit Kumar	Technology Commercialization
	Nicole Wake	GE Healthcare
	Alexander Balatsky	UConn Research
	Steven Suib	UConn Research
3:55-3:57	Summary/Action Items	
3:57-4:00	Cansu Kaya Yavas	Vote of thanks

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## **UConn Quantum Consortium**



**Nicole Wake (Ph.D.)**

Director, Research and Scientific Affairs,  
GE HealthCare

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**Ali Tamayol (Ph.D.)**

Associate Professor, Biomedical Engineering  
University of Connecticut Health Center

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**Guoan Zheng (Ph.D.)**

UTC Associate Professor, Biomedical Engineering  
University of Connecticut

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### **Abhijit (Jit) Banerjee (Ph.D.)**

Associate Vice President, Innovation and  
Entrepreneurship  
University of Connecticut

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### **Amit Kumar (Ph.D.)**

Senior Director  
Technology Commercialization Services  
University of Connecticut

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**Alexander Balatsky (Ph.D.)**

Professor, Physics

University of Connecticut

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### **Steven Suib (Ph.D.)**

Director, Institute of Materials Science  
Board of Directors Distinguished Professor  
Professor, Chemistry  
University of Connecticut

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**Cansu Kaya Yavas**

Quantum CT Program Administrator

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**Michael DiDonato**

Business Development Manager  
QuantumCT & Innovation Partnership Building

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### **Sanjeev K. Nayak (Ph.D.)**

Program Specialist – Quantum Technologies  
Office of the Vice President for Research  
University of Connecticut

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