QxBio 2026

Quantum–AI Bio-Convergence: Discovery, Translation, Capital & Partnerships

COMPUTATIONAL ONCOLOGY · QUANTUM-AI SYSTEMS BIOLOGY · AI DRUG DISCOVERY · PHYSICIAN-SCIENTIST COLLABORATION · CAPITAL & PARTNERSHIPS

DATES	VENUE	HOST
September 24–26, 2026	The Harker School, San Jose, CA	Param Hansa Philanthropies

PROGRAM AT A GLANCE

Three Days, Four Themes

QSB QUANTUM-AI SYS BIO · AID AI & DRUG DISCOVERY · DPS PHYSICIAN-SCIENTIST · CAP CAPITAL & PARTNERS · XC CROSS-CUTTING

DAY 1 Thursday, September 24

12:00 – 1:30 PM		Registration & Lunch	
1:30 – 2:00 PM	OPEN	Opening Session — EMCEE introduction · Welcome · Opening remarks · Documentary · Context setting	XC
2:00 – 2:05 PM		*Session transition*	
2:05 – 3:30 PM	S1	Reflection Through Journey — Partners Speak (8 speakers, 7 minutes each)	XC
3:30 – 3:45 PM		Tea Break	
3:45 – 4:30 PM	S2	Panel / Fireside Chat — Beyond the Grant: Philanthropy+ for Scientific Research & Translation	CAP
4:30 – 6:00 PM	S3	Poster Presentation (High School, Undergrads & Graduates)	QSB · AID
6:15 PM		Leave for welcome dinner from Harker School to Pandey's residence	
7:00 – 9:30 PM		Welcome Dinner · Pandey's residence	

DAY 2 Friday, September 25

8:30 – 9:00 AM		Breakfast at the Harker School	
9:00 – 9:40 AM	S4	Quantum–AI Systems Biology: Converging Discovery, Engineering, and Clinical Translation	QSB
9:40 – 9:45 AM		*Session transition*	
9:45 – 10:15 AM	S4A	Fireside Chat / Panel — Quantum–AI Systems Biology	QSB
10:15 – 10:30 AM		Group Photo	
10:30 – 11:10 AM	S5	Data & Research — Building & Nurturing the Physician-Scientists Collaboration	DPS
11:10 – 11:15 AM		*Session transition*	
11:15 – 11:45 AM	S5A	Fireside Chat — Data & Research	DPS
11:45 AM – 12:25 PM	S6	AI & Drug Discovery — Lab to Community (philanthropy + catalytic investment)	AID
12:25 – 12:30 PM		*Session transition*	
12:30 – 1:00 PM	S6A	Fireside Chat / Panel — AI & Drug Discovery	AID
1:00 – 2:00 PM		Lunch	
2:00 – 2:40 PM	S7	Panel / Fireside Chat — Beyond the Grant: Impact Investment (Early Stage)	CAP
2:40 – 2:45 PM		*Session transition*	
2:45 – 3:30 PM	S8	Break-out Sessions — Four Working Groups	XC
3:30 – 3:35 PM		*Session transition*	
3:35 – 4:10 PM	S9	Key Points from Breakout Group Discussions	XC
4:10 – 4:15 PM		*Session transition*	
4:15 – 4:45 PM	S10	Discovery, Translation, Capital & Partnerships — Priorities Ahead	CAP
4:45 – 4:50 PM		*Session transition*	
4:50 – 5:15 PM	S11	Summing Up & Next Steps (key takeaways & recommendations)	XC
5:15 – 5:30 PM	S12	Awards, Vote of Thanks & Valedictory	XC
5:30 – 6:00 PM		High Tea	

DAY 3 Saturday, September 26

8:30 AM – 2:30 PM		QxBio 2026 Student Hackathon (6 hours)	

DAY 1 · THURSDAY, SEPTEMBER 24

Opening & Foundations

The Harker School
San Jose, CA

12:00 – 1:30 PM
90 minutes

Registration & Lunch

Welcome & lunch

1:30 – 2:00 PM
30 minutes

OPENING SESSION

3 min	Introducing Mr. Jeff Applebaum (EMCEE) — Rakesh Kumar, Param Hansa Philanthropies (PHP)
4 min	Welcome by Mr. Brian Yager, The Harker School, San Jose, CA, USA
4 min	Opening remark by Mrs. Swapna Pandey, Co-founder, Param Hansa Philanthropies
3 min	Opening remark by Mr. Dheeraj Pandey, Co-founder, Param Hansa Philanthropies
7 min	Documentary — QxBio 2026
9 min	Context setting — Mr. Dheeraj Pandey & Mr. Amit Kumar, Co-founders, PHP

2:00 – 2:05 PM
5 minutes

Session transition

2:05 – 3:30 PM
85 minutes

SESSION 1

Reflection Through Journey — Partners Speak

8 speakers · 7 minutes each

UT Austin (1 speaker) — Dr. Danny Diaz (in-person) & Dr. Thomas Yankeelov (virtual)
City of Hope (1 speaker) — Dr. Srividya S
Stanford University (2 speakers) — Dr. Michael Fischbach & Dr. Juliet K
Aspire (1 speaker) — Ms. Dhanyata Mehta
Harker School (Anita) — Mrs. Anita Chetty
IISc (1 speaker) — Dr. Mohit Kr Jolly

Facilitated by Dr. Jennifer Cochren, Dr. David Vanden Bout & Mr. Amit Kumar — Q&A (each moderator 5 minutes + 14 minutes Q&A)

3:30 – 3:45 PM
15 minutes

Tea Break

3:45 – 4:30 PM
45 minutes

SESSION 2 · PANEL / FIRESIDE CHAT

Beyond the Grant: Philanthropy+ for Scientific Research & Translation

Facilitated by Mr. Joseph Battaliga — Ms. Karen Kardos, Mrs. Swapna Pandey & Mr. Dheeraj Pandey

4:30 – 6:00 PM
90 minutes

SESSION 3

Poster Presentation

High School, Undergrads & Graduates

THEME 1
Quantum–AI Systems Biology: Converging Discovery, Engineering, and Clinical Translation

THEME 2
AI & Drug Discovery — Lab to Community (philanthropy + catalytic investment)

6:15 PM

Leave for welcome dinner from Harker School to Pandey's residence

7:00 – 9:30 PM
TBD & finalized

Welcome Dinner

Pandey's residence

Quantum–AI Systems Biology

The Harker School
San Jose, CA

8:30 – 9:00 AM

Breakfast at the Harker School

9:00 – 9:40 AM
40 minutes

SESSION 4

Quantum–AI Systems Biology: Converging Discovery, Engineering, and Clinical Translation

AFFILIATIONS IISc Bengaluru / PHCCO / UT Austin / UC Irvine / Texas A&M / Stanford

KEYNOTE SPEAKERS Dr. Mohit K. Jolly (IISc Bengaluru / PHCCO Director) · Dr. Emma Lundberg (Stanford / Human Protein Atlas / Chan Zuckerberg Biohub)

OPENING KEYNOTE · 9 MINUTES

Dr. Reinhard C. Laubenbacher

University of Florida

"From Molecules to Patients — Multiscale Digital Twins as Mathematical Biology's Answer to Precision Oncology"

Speaker 1 — Dr. Marc R. Birtwistle 7 min
"Cancer Cell State Networks — Predicting Drug Combination Responses for Precision Oncology"

Speaker 2 — Dr. Ernesto Lima UT Austin Oden Institute, Center for Computational Oncology · 7 min
"Digital Twins for Precision Oncology — Simulating Treatment Response Before It Happens"

Speaker 3 — Dr. Jason T. George 7 min
"Stochastic Models of Tumour-Immune Interaction — How Mathematical Biology Predicts Cancer Immune Escape and Treatment Resistance"

Closing Remarks — Dr. Stacey Finley 9 min
"Drug Target Discovery in the Tumour Microenvironment — Computational Systems Biology Models for Predicting Immunotherapy Response"

9:40 – 9:45 AM
5 minutes

Session transition

9:45 – 10:15 AM
30 minutes

SESSION 4A · FIRESIDE CHAT / PANEL

Quantum–AI Systems Biology: Converging Discovery, Engineering, and Clinical Translation

Panellists 7 minutes each + 16 minutes Q&A

Dr. Karen Willcox
"Engineering Trust into Biology: What Aerospace-Grade Digital Twins Teach Us About Quantum-AI Systems Biology"

Dr. Mohit K. Jolly
"The Physics of Cancer: How Hybrid Cellular States Drive Metastasis, Resistance and the Case for Quantum-AI Systems Biology"

10:15 – 10:30 AM
15 minutes

Group Photo

Data & Research

The Harker School
San Jose, CA

10:30 – 11:10 AM
40 minutes

SESSION 5

Data & Research — Building & Nurturing the Physician-Scientists Collaboration

AFFILIATIONS UT Austin / USC Viterbi / HD Medical SF / Bespoke Labs / UC Irvine

KEYNOTE SPEAKER 1

Dr. Charley Taylor

UT Austin · Dell Medical · Founder, HeartFlow · NAE 2024

"The Collaboration Architecture: Building the Physician-Scientist Partnership That Changes Clinical Practice"

Speaker 1 — Mr. Arvind T
"From Cardiac Signals to Cancer Biomarkers — How AI-Embedded Point-of-Care Diagnostics Can Scale Quantum-AI Cancer Detection to Every Community"

Speaker 2 — Dr. Emma Lundberg
Data simulation — real time

Speaker 3 — Dr. Debanu Das
"Atomic-Resolution Drug Target Discovery — How AI-Enhanced Structural Biology Identifies Precision Oncology Candidates That Computational Models Alone Cannot Find"

KEYNOTE SPEAKER 2

Dr. John Lowengrub

Chancellor's Professor · UC Irvine · 2026 SIAM Fellow

"The Mathematical Engine: Personalized Predictive Models as the Science Inside Physician-Scientist Collaboration"

11:10 – 11:15 AM
5 minutes

Session transition

11:15 – 11:45 AM
30 minutes

SESSION 5A · FIRESIDE CHAT

Data & Research — Building & Nurturing the Physician-Scientists Collaboration

Speaker 5 — Dr. Hongfang Liu UT Austin
"Building the Data Backbone for Digital Twins — Translational AI and Real-World Evidence in Precision Oncology"

Speaker 4 — Dr. Prasun Mishra
"Why Drugs Fail Safely — Explainable AI as the Trust Layer Between Data Science and Clinical Practice"

AI & Drug Discovery

The Harker School
San Jose, CA

11:45 AM – 12:25 PM
40 minutes

SESSION 6

AI & Drug Discovery — Lab to Community (philanthropy + catalytic investment)

AFFILIATIONS Stanford / UT Austin / Moffitt Cancer Center / Takeda Oncology / MilliporeSigma

KEYNOTE SPEAKER 1

Dr. Michael Fischbach

Stanford · Microbiome Therapies Initiative · NIH Pioneer Award

"LAB" — discover the drug from biology, powered by AI molecular simulation

Speaker 1 — Dr. Thomas Yankeelov
"From MRI to Treatment Decision: Cancer Digital Twins as the Clinical Bridge from Drug Discovery to Community Care"

Speaker 2 — Dr. Dean Bottino
"Quantitative Approaches to Optimizing Cancer Drug Dosing — From Pre-Clinical Modelling to Community-Scale Treatment Deployment"

Speaker 3 — Dr. Siva Vanapalli
"From Worm to Human: AI-Powered High-Throughput Screening as the Missing Link Between Computational Drug Discovery and Clinical Reality"

KEYNOTE SPEAKER 2

Dr. Alexander Anderson

Chair, Mathematical Oncology · Moffitt Cancer Center

"Adaptive Therapy: Mathematical Models That Carry Drug Discovery from the Lab to Every Patient"

12:25 – 12:30 PM 5 minutes

Session transition

12:30 – 1:00 PM
30 minutes

SESSION 6A · FIRESIDE CHAT / PANEL

AI & Drug Discovery — Lab to Community (philanthropy + catalytic investment)

Mr. Santiago Matheus
"Backing the Machine — How Investing in AI Drug Research Companies Builds the Capital Bridge from Lab Discovery to Community Impact"

Dr. Melissa Landon
"The AI Drug Discovery Platform Layer — How Computational Chemistry and Autonomous Labs Are Industrializing the Discovery-to-Deployment Pipeline"

1:00 – 2:00 PM
60 minutes

Lunch

2:00 – 2:40 PM
40 minutes

SESSION 7 · PANEL / FIRESIDE CHAT

Beyond the Grant: Impact Investment (Early Stage)

AFFILIATIONS PHP / UBS / Hamilton Square Healthcare

Facilitated by Mr. Andrew Lee — Ms. Julie Binder, Mr. Dheeraj Pandey & Mr. Amit Kumar

Synthesis & Closing

The Harker School
San Jose, CA

2:40 – 2:45 PM · 5 minutes

Session transition

2:45 – 3:30 PM · 45 minutes

SESSION 8

Break-out Sessions

Group 1 — Alliances, partnerships, scientific community & translation
Facilitated by Mrs. Swapna Pandey & Mrs. Karen Kardos

Group 2 — Data & research: Building & nurturing the physician-scientists collaboration
Facilitated by Mahesh Sathiamoorthy & Dr. Alexander Anderson

Group 3 — Quantum-AI Systems Biology
Facilitated by Dr. Emma L & Dr. Debanu Das

Group 4 — AI & Drug Discovery: Lab to Community
Facilitated by Dr. Prasun Mishra & Dr. Melissa Landon

3:30 – 3:35 PM · 5 minutes

Session transition

3:35 – 4:10 PM · 35 minutes

SESSION 9

Key Points from Breakout Group Discussions

Presentation by each group (5 × 4 groups = 20 minutes + 15 minutes Q&A)

4:10 – 4:15 PM · 5 minutes

Session transition

4:15 – 4:45 PM · 30 minutes

SESSION 10

Discovery, Translation, Capital & Partnerships — Priorities Ahead

Panel with Mr. David Lewis & Mr. Dheeraj Pandey

4:45 – 4:50 PM · 5 minutes

Session transition

4:50 – 5:15 PM · 25 minutes

SESSION 11

Summing Up & Next Steps

Key takeaways & recommendations

Mr. Dheeraj Pandey, Mrs. Swapna Pandey & Mr. Amit Kumar

5:15 – 5:30 PM · 15 minutes

SESSION 12

Awards, Vote of Thanks & Valedictory

Mr. Dheeraj Pandey, Mrs. Swapna Pandey & Mr. Amit Kumar

5:30 – 6:00 PM · 30 minutes

High Tea

DAY 3 · SATURDAY, SEPTEMBER 26

Student Hackathon

San Jose, CA

8:30 AM – 2:30 PM

6 hours

QxBio 2026 Student Hackathon

Open to students High School through PhD; Built on Computer, by DevRev — mentored by Researcher (Grad/PhD).

Thank You for Joining QxBio 2026

QxBio exists because a community of scientists, clinicians, engineers, and funders chose to show up for each other's work. We're grateful you're part of that community this year — and we look forward to seeing where these conversations lead.

GLOBAL OFFICE

Tampa, Florida, USA

INDIA OFFICE

Bengaluru, Karnataka, India

CONNECT

paramhansa.life/qxbio-2026