

PHARMA & LIFE SCIENCES

Quantum-Safe Pharma Intensive

PRACTITIONER INTENSIVE

A full-day workshop for pharma and biotech teams. Work validation, record retention and trading-partner constraints into a migration plan ready for quality review.

DURATION

8 hours

One-day working session

LEVEL

Practitioner

Sector overview recommended

LIVE ONLINE FEE

US\$1,499

Instructor-led training

A migration plan ready for quality review.

WHAT YOU WILL BUILD

- ✓ A GxP cryptographic inventory and a map of who controls each dependency.
- ✓ A classification matrix for cryptographic changes, testing and evidence.
- ✓ A signature longevity plan for one regulated archive, preserving audit trails.
- ✓ A dependency register, supplier and CDMO clauses, and a migration roadmap.

WHO SHOULD ATTEND

IT quality and validation leads; manufacturing and laboratory system owners; serialization, supply chain and regulatory operations leads; CISOs and security architects.

PREPARATION

Quantum-Safe Healthcare is recommended. Bring quality assurance alongside IT and security.

Why Quantum Academy

Built on the Applied Quantum PQC Migration Framework and its OT/CNI Extension. GxP validation draws on instructor field work; no published GxP extension exists.

What you will work through

Work from your own estate through four workshop sessions.

01 Morning: the validated estate

Find cryptography in GxP applications, manufacturing systems and laboratory instruments. Mark what you, a vendor, a regulator or a trading partner controls.

02 Morning: change control

Classify a hybrid TLS rollout on a validated manufacturing system. Choose test evidence and regression checks for changes to qualified infrastructure.

03 Afternoon: records and partners

Plan signature verification over 25 years or more, preserving originals, audit trails and ALCOA+ expectations. Map FDA/EMA gateways, DSCSA credentials and serialization dependencies.

04 Afternoon: the plan

Build a roadmap against EU, NIST and UK NCSC milestones. Draft supplier and CDMO clauses and identify decisions requiring quality assurance or external partners.

Formats and fees

Live online	US\$1,499
In person	US\$1,999
Private team training	Custom quote

Bring your GxP system inventory, validation procedures and supplier list. Include at least one quality assurance colleague.

Includes a Quantum Academy certificate of completion. This is not a professional certification.

What is included

- Course handbook and a PDF of the full material with written instructor notes.
- PDF copy of Quantum Ready by Marin Ivezić.
- Editable workshop outputs to take back to your team.
- 180 days of access to the corresponding online on-demand course. Where that course is not yet published, the 180 days start on the day it is.

Explore the course

[View course details at QuantumAcademy.com](https://quantumacademy.com)



Check the course page for dates and availability. Private delivery is available by arrangement.

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Prices: September 2026; applicable taxes are shown at checkout. Quantum Academy, a trade name of Post-Quantum Institute, issues private professional credentials, not government-issued licenses, accredited degrees or academic credit. No employment, promotion, regulatory approval or specific outcome is guaranteed. Programs are educational and informational only, not legal, compliance or engineering advice.