

Bio-Inspired Dual Post-Quantum Cybersecurity Architecture — Executive Brief

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Executive Summary

A biologically-modeled cybersecurity system featuring dual PQC strands, autonomous integrity repair agents, a neural communication mesh, and AI governance.

Key Innovations

- Dual complementary PQC encryption strands
- Autonomous enzyme-layer integrity repair routines
- Neural-style encrypted messaging mesh
- Distributed AI consensus governance layer

Advantages

- Self-healing cryptographic fabric
- Resilience against coercion and compromise
- Adaptive mutation for entropy renewal

Applications

- Critical systems protection
- Secure AI infrastructures
- Autonomous distributed networks