What Forms Can Countermeasures Take?

Process Solutions
Process solutions include such actions as vetting visiting scholars, monitoring computer networks for illicit exfiltration of research data, incorporating data-loss prevention systems on networks, and establishing risk-management and reporting frameworks.

Processes for securing research should be integrated into all facets of university operations, including human resources, training and awareness, information technology, international travel, and business administration.

Policy Solutions
Conflict of commitment, financial conflict of interest, external employment, and international travel policies all have important research security implications. Establishing clear, enforceable expectations in these areas is critical to an effective risk-management program.

Technology Solutions
Incorporating technical solutions into your risk-management process, such as secure computing enclaves that meet federal requirements, can provide a solid foundation for securing data while minimizing the burden on researchers.