

The focus group identified critical thinking and strategic planning as the most essential competencies for future scientists. In a world of limited resources and unpredictable challenges, the ability to evaluate options, anticipate contingencies, and prioritize effectively is indispensable. Poor planning could lead to costly miscalculations.

Leadership was consistently ranked above technical expertise as a priority for the next generation. Decision-making will be paramount. Yet participants voiced skepticism about their ability to cultivate future leaders. Opinions were split on the urgency of succession planning — some saw it as critically important, others as only somewhat so. Programs that felt less urgency had already begun transitioning leadership responsibilities to emerging leaders. However, most participants agreed they lacked the time, personnel, and funding to adequately prepare successors or implement a robust succession strategy.

Few examples exist where leadership is effectively shared across programs. Most leaders juggle both technical and managerial responsibilities. In some cases, collaboration is already underway — such as between state IPM programs (EIP) and Regional IPM Centers (RIPMC) — with coordination facilitated by the National IPM Coordinating Committee.



○ The most essential competencies for the next generation to work in biosecurity.

RECOMMENDATIONS FOR NIFA:

- » Develop competitive programs that train the next generation of tactical scientists in laboratory settings.
- » Consider explicitly incorporating biosecurity internships into the “Developing Pathways” section of the AFRI Education and Workforce Development Program.



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