

Elizabeth Baldo

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PROFESSIONAL SUMMARY

Project management and operations leader with experience directing large-scale scientific, research, and technology initiatives across government, academia, and nonprofit organizations. Currently manage a \$200M DOE-funded subproject for Fermilab's international LBNF/DUNE experiment while leading an AI and computer vision initiative to advance scalable educational research. PMP-certified with expertise in strategic planning, budgeting, procurement, stakeholder management, contracts, and cross-functional leadership.

EXPERIENCE

Project Manager

Feb 2025 – Present

Fermi National Accelerator Laboratory · LBNF/DUNE Project

Batavia, IL

Direct planning, execution, budgeting, procurement, schedule management, and stakeholder coordination for a \$200M DOE-funded subproject supporting the international LBNF/DUNE experiment, one of the world's largest particle physics collaborations.

- Manage a \$200M+ project budget, overseeing eight control accounts spanning 39 work packages while supporting long-term cost, schedule, and resource planning.
- Administer 60+ active subcontracts totaling more than \$40M across 26 universities and three national laboratories, coordinating procurement, funding, and contract execution.
- Coordinate project planning, construction, procurement, manufacturing, and systems integration across 50+ scientists, engineers, project managers, and international partner institutions.
- Prepare executive cost, schedule, procurement, and risk reporting for DOE leadership, project executives, and international collaborators using Earned Value Management and Primavera P6.

Project Lead

August 2025 – Present

National Bureau of Economic Research · Video Analytics Initiative

Chicago, IL

Lead the development of an AI-driven video analytics initiative applying computer vision and multimodal AI to create scalable measures of early childhood classroom quality.

- Build partnerships across education, psychology, computer science, nonprofit organizations, and technology companies to establish a multidisciplinary research program.
- Direct legal, data governance, research compliance, intellectual property, and data-sharing activities supporting collaborations with universities and external organizations.
- Lead planning for secure cloud infrastructure and large-scale computer vision pipelines supporting automated classroom video analysis.
- Translate research objectives into scalable technical solutions by coordinating cross-functional teams spanning research, technology, cloud infrastructure, and organizational operations.

Operations Director

Mar 2023 – Jun 2025

University of Chicago · Center for the Economics of Human Development

Chicago, IL

Directed finance, operations, research administration, and organizational strategy for an international research center supporting large-scale interdisciplinary programs, federal grants, and philanthropic initiatives.

- Managed approximately \$10M in annual operating budgets across 16 accounts, overseeing more than \$12M in grants and \$6M in philanthropic funding from proposal through closeout.
- Led a team of 20 research administrators, directing hiring, onboarding, performance management, professional development, and operational planning.
- Oversaw operational strategy for 12 interdisciplinary research initiatives involving randomized controlled trials, longitudinal studies, and policy-focused research spanning nine countries.
- Directed the development of 30+ research agreements while overseeing data governance, security, human subjects compliance, and research administration across more than 50 datasets.

Program Coordinator

Aug 2017 – Mar 2023

Directed operations for three international field-based biology programs, leading budgeting, partnerships, recruitment, logistics, and strategic planning to support program growth.

- Managed approximately \$950K in annual operating budgets, establishing financial controls that supported long-term program sustainability.
- Directed recruitment, operations, strategic planning, and risk management across three international study-away programs.
- Developed partnerships with scientific institutions, negotiated collaboration agreements, and integrated external organizations into academic programming.
- Expanded enrollment from a single 40-student program to three programs serving more than 85 students annually through strategic recruitment and institutional partnerships.

RESEARCH EXPERIENCE

Laboratory Manager

Dec 2014 – Mar 2023

University of Chicago · Department of Molecular Genetics & Cell Biology

Chicago, IL

Managed molecular biology research projects investigating tissue regeneration and plant biology while leading laboratory operations, methodology development, experimental design, and collaborative research initiatives.

- Developed novel laboratory methodologies and experimental workflows supporting multiple long-term research programs.
- Managed complex molecular biology research projects from experimental design through data analysis and publication.
- Investigated the evolution of extracellular matrix proteins through comparative genomics and protein analysis.
- Co-developed a novel phloem collection methodology supporting proteomic characterization of *Arabidopsis thaliana*.

Research Technician

Oct 2005 – Dec 2014

University of Chicago · Department of Molecular Genetics & Cell Biology

Chicago, IL

Supported molecular biology research on plant-pathogen interactions, plant immunity, and microbial virulence in *Arabidopsis thaliana* and crop species.

- Conducted molecular biology and infection assays investigating plant immune responses, host-pathogen signaling, and bacterial virulence mechanisms.
- Coordinated laboratory operations, greenhouse management, inventories, and support for multiple concurrent research projects.

EDUCATION

Master of Business Administration

University of Illinois Springfield

Master of Science in Biology

Roosevelt University

Bachelor of Science in Biology

Roosevelt University

CERTIFICATIONS

Project Management Professional (PMP)

Project Management Institute

Graduate Certificate - Business Analytics

University of Illinois Springfield

TECHNICAL SKILLS

Programming & Data Analysis

- Python
- R
- LaTeX
- Tableau
- Microsoft Excel

Project Management & Operations

- Primavera P6
- Oracle
- Workday
- SharePoint
- Concur