Tahmineh Esfandani

❖ Professional Experience

- **Laboratory Operations Manager** (October 2024- Present)
  Texas A&M University, Artie McFerrin Department of Chemical Engineering
- **Laboratory Manager | Senior Research Scientist** (March 2020 –October 2024)
  Texas A&M University, Department of Biology
- **Research Scientist** (Feb 2019- Jan 2020)
  University of Oregon, Department of Biology
- **Laboratory Animal Facility Manager** (Jun 2016 - Jan 2019)
  University of Oregon, Histology & Genetic Modification Core Facility

❖ Education

- M.Sc. in Genetics, Trinity College Dublin (2010 – 2013)

❖ Contact information

- tahmineh@tamu.edu
- https://www.linkedin.com/in/tahmineh-esfandani

❖ Core Skills & Expertise

• Laboratory Operations
Multi-user Laboratory Management, Workflow Optimization, Laboratory Build-Out & Infrastructure, Space Planning, Operational Readiness, Inventory Systems, Equipment Lifecycle Management, Cross-Functional Collaboration, Team Training

• Research & Technical
Molecular Biology, Functional Genomics, Sequencing Technologies (Oxford Nanopore, PacBio HiFi, Hi-C, Single-Cell ATAC-seq, Illumina), CRISPR/Cas9, Mammalian Cell Culture, PCR/qPCR, Cloning, Histology, Immunofluorescence, Confocal Microscopy, Mouse Colony Management

• Compliance & Safety
EHS, Biosafety Compliance, SOP Development, Audit & Inspection Readiness, Regulatory Compliance, Chemical & Biological Safety, Hazardous Waste Management, Laboratory Safety Training, IACUC Support

• Operations & Management
Procurement, Vendor Management, Budget Planning & Cost Optimization, Capital Equipment Planning, Equipment Maintenance, Facilities Coordination, Project Management, Process Improvement, Inventory Control, Policy Development