

Kimberly Robinson

Biology

CONTACT INFORMATION

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EDUCATION

Ph.D., Immunology, University of Iowa, 2016

B.S., Biological Sciences, University of California, Irvine, 2010

KEY SKILLS

- Immunoassay development on plate-based and multiplex platforms including Luminex and Simoa
- Flow cytometry panel design (up to 18 colors)
- Assay validation under regulated-style frameworks
- Peripheral blood cell processing and T cell functional assays
- Mouse handling and immunization studies
- GraphPad Prism, FlowJo, SoftMax Pro, and statistical analysis software
- Technical writing (SOPs, transfer protocols, study reports)
- Direct people management (teams up to 3)
- Cross-functional project leadership

ABOUT ME

Biologist with 8 years across industry and translational research, focused on immunoassay development and biomarker discovery. Runs projects end to end from assay design through validation and tech transfer. Comfortable owning timelines with clinical and manufacturing partners.

PROFESSIONAL EXPERIENCE

Senior Scientist I, Assay Development | 2021 - Present
Cedarline Diagnostics, Madison, WI

- Lead assay developer on a multiplex cytokine panel used in three sponsor-funded oncology studies, driving CV below 12% across four analytes.
- Transferred two plate-based immunoassays into regulated-style validation with the quality group, writing the transfer protocols and training receiving analysts.
- Manage a team of two associates, including hiring, weekly one-on-ones, and annual reviews.
- Serve as biology lead on a cross-functional working group with software and hardware engineering for a benchtop reader program.
- Review draft SOPs and technical reports for the wider R&D team, roughly 30 documents per year.

Scientist, Biomarker Discovery | 2018 - 2021
Northshoal Therapeutics, Evanston, IL

- Ran plasma and peripheral blood cell biomarker workups for two Phase 1 immuno-oncology trials, including Luminex and Simoa panels.
- Optimized a Simoa neurofilament light assay that pulled the lower quantitation limit into a clinically useful range for a neuro program.
- Coauthored three oncology conference abstracts and one peer-reviewed manuscript on T cell exhaustion markers.
- Trained associates and rotating postdocs on plate-based immunoassays.

Research Associate, Immunology | 2016 - 2018
Prairie Vaccine Institute, Ames, IA

- Supported a preclinical adjuvant program with mouse immunizations, spleen processing, and cytokine ELISPOT readouts.
- Maintained the group's stock of primary antibodies and reagents, catching a labeling error on a critical lot before it entered a study.
- Contributed methods sections to two internal study reports.