

# Daniel Yu

San Diego CA, 92129

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## Summary of Strengths

- 6 years of laboratory experience
  - Familiar with a large variety of cell-based assays
  - Strong understanding of assay development & validation
  - Flexible working in a team oriented environment and independently
  - Capable of multitasking, very detail oriented and fast learner
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## Education

- University of California, San Diego (UCSD)  
B.S. Biochemistry and Cell Biology, 2008 - 2012

## Professional Experience

BioLegend, San Diego, CA

QC Lead (May 2018 – Current)

- Provide supervision, training, and management of two junior level research associates; coordinate QC project assignments and scheduling in order to meet deadline goals
- Assist in assay troubleshooting and optimization
- Generate SOPs and work instructions for existing in-house bioassays and methods

BioLegend, San Diego, CA

Research Associate II (November 2012 – May 2018)

- Regularly performed testing (QC) of recombinant proteins and monoclonal antibodies through different types of cell-based assays as required for product validation
- Occasionally performed screening of monoclonal antibodies for neutralizing or blocking function
- Culture of mammalian cell lines on a daily basis; usually ~7-8 different lines at a time for different projects
- Occasionally isolated human PBMC using Ficoll density gradient for T cell activation and assay use; other cell types (i.e B cells and granulocytes) also purified through use of magnetic bead sorting (negative selection)
- Provided technical assistance for customers who had complaints or inquiries regarding product performance and stability
- Working in parallel with Planners to monitor product inventory stock to ensure a low percentage of backorders in sales
- Setup Westernblots and immunofluorescence (IF) staining to test (QC) polyclonal antibodies for target specificity and signal strength
- Prepared bulk material for large customer orders that requires special specifications (i.e. high concentration, different formula, low endotoxin level)
- Performed endotoxin testing on recombinant protein samples by LAL test and/or removal by Mustang Q filtration.

## Technical Skills

- Aseptic/sterile techniques
- Primary cell isolation
- Magnetic cell sorting
- Mammalian cell culture
- Mouse & rat tissue dissection
- Cell-based assays optimization
  - Cell proliferation, cytokine induction, cell migration, cell adhesion, apoptosis effect, cell cytotoxicity, RBC agglutination,
- Enzymatic assays (MMPs)
- ELISA
- SDS-PAGE
- Westernblot
- Immunofluorescent staining (IF)
- Buffer preparation

## Software Skills

- GraphPad Prism (v.7), SoftMax Pro, BD CellQuest & FlowJo (v.9.5.1)
- Microsoft Dynamics NAV (2016) & FileMaker Pro (v.11)
- Microsoft Word, Excel, and PowerPoint