

Sami Salman

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PROFESSIONAL SUMMARY

Applied Life Sciences professional with an MS from Keck Graduate Institute and hands-on experience in life sciences consulting, clinical laboratory operations, and healthcare settings. Demonstrated ability to conduct market sizing, competitive landscape analysis, and expert interviews on a DARPA-funded consulting engagement, with direct delivery of strategic recommendations to senior government stakeholders. Brings scientific depth in molecular biotechnology, clinical diagnostics, and biostatistics alongside hands-on clinical experience, enabling credible translation between bench-level science and business strategy.

EDUCATION

Keck Graduate Institute

Master of Science, Applied Life Sciences. GPA: 3.5.

Relevant Coursework: Clinical Biostatistics, Molecular Biotechnology, Medical Devices

Claremont, CA

2026

University of California, Riverside

Bachelor of Science, Biology.

2023

EXPERIENCE

Graduate Consultant, DARPA-Funded Project

August 2025 – May 2026

Keck Graduate Institute

Claremont, CA

- Conducted market sizing and competitive landscape analysis across five product areas as part of a year-long DARPA-funded initiative evaluating biologically inspired technologies for cold weather operations.
- Led expert interviews and primary research to identify adoption barriers, technical limitations, and technology transition opportunities for early-stage defense innovations.
- Delivered strategic recommendations and technology transition roadmaps to DARPA liaisons through formal written reports and executive-level presentations.
- Applied expertise in biotechnology and biostatistics to assess scientific and regulatory feasibility, translating complex technical findings into actionable strategic guidance.

Clinical Laboratory Assistant, Electron Microscopy

May 2022 – May 2023

UC Irvine Medical Center

Irvine, CA

- Processed and preserved kidney, muscle, and nerve biopsy specimens for light microscopy, immunostaining, and transmission electron microscopy across approximately 300 renal biopsies, upholding rigorous chain-of-custody and QC protocols.
- Evaluated tissue adequacy under surgical microscopy to classify renal architecture and support pathological diagnoses of kidney failure, IgA nephropathy, and end-stage renal disease.
- Partnered with pathologists and clinical staff to communicate diagnostic findings and sample status, supporting efficient case turnaround in a high-volume academic medical center.

Medical Scribe

June 2019 – August 2019

Comprehensive Cardiovascular

Bakersfield, CA

- Documented consultations, procedures, and labs in real time for 10-15 patients per week, capturing complete medication histories and ensuring accurate, regulation-compliant EHR entries.
- Synthesized patient symptom narratives for rapid physician review, reducing documentation lag and improving workflow efficiency during high-volume clinic days.

Nutrition Assistant

July 2018 – September 2018

Adventist Health

Bakersfield, CA

- Collaborated with a multidisciplinary care team to develop individualized meal plans aligned with treatment regimens, dietary restrictions, and recovery goals.
- Gathered and analyzed patient dietary histories to deliver evidence-based nutritional guidance, contributing to improvements in patient recovery and satisfaction.

SKILLS

Consulting and Research: Market Sizing, Competitive Landscape Analysis, Expert Interviewing, Primary Research, Stakeholder Communication, Strategic Recommendations

Scientific and Technical: Molecular Biotechnology, Clinical Biostatistics, Tissue Processing and Immunostaining, Electron and Surgical Microscopy, EHR Documentation, SPSS, Microsoft Office Suite, Adobe Photoshop

Languages: English (Native); Urdu, Hindi, and Punjabi (Fluent)