
Lina Sakhneny

PHD Medical Science | Data Analyst

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Summary

Ph.D.-level biomedical scientist and certified data analyst with over 9 years of experience across the medical, biotech, and healthcare AI sectors. Proven expertise in leading complex, multidisciplinary projects in both research and industry settings. Strong background in project management, strategic planning, clinical and preclinical study execution, and AI-driven data operations. Skilled in managing full data lifecycles, from acquisition and annotation to quality control and visualization. Experienced in working across scientific, algorithmic, and regulatory teams to deliver impactful, data-driven healthcare solutions.

Skills:

- Data Operations Leadership.
- Project Management
- Scientific & Technical Guidance
- AI Model Support
- Data Annotation
- Data Analysis (SQL, Python (pandas, NumPy), Power BI, Excel and R)
- Cross-Functional Collaboration
- Scientific Writing & Reporting
- Detail-Oriented & Organized.
- Client and Stakeholder Engagement

Work Experience

Feb. 2023 – present

Data Project Manager

NucleAI, Israel

Nucleai is a biotech/AI company at the forefront of precision medicine, leveraging AI and spatial biology to analyze tissue samples and enhance cancer diagnosis and treatment outcomes.

- Directed cross-functional projects, overseeing strategic planning and day-to-day execution. Ensured alignment with project goals, key milestones, and delivery timelines.
- Led the end-to-end data lifecycle – from acquisition and quality control to annotation strategy and deployment.
- Designed and improved data pipelines to support robust AI/ML modeling.
- Worked closely with scientific, algorithmic, AI/ML, and clinical teams to drive project success.
- Led technical and clinical discussions with leading pathologists to refine pathology workflows and ensure clinical relevance.
- Lead the internal data team, assign tasks, and optimize workflows for efficiency and scalability
- Identified bottlenecks and resource needs, proactively resolving issues to ensure timely and high-quality project delivery.
- Continuously drive improvements across workflow processes, data quality and team operations
- Maintained project dashboards and landing pages to provide visibility and coordination across teams.

**Feb. 2022- Feb. 2023 Study Director/ Project Manager
Pharmaseed LTD, Israel.**

GLP-certified CRO providing preclinical, early clinical, and consulting services to medical device, biotech, and pharmaceutical companies

- Managed and coordinated all phases of preclinical study process, prioritization and close supervision of multidisciplinary projects including troubleshooting and customer retention while ensuring alignment with scientific and regulatory standards.
- Prioritized tasks, supervised day-to-day operations, and resolved complex issues to maintain client satisfaction and study integrity.
- Generate high-quality study plans and scientific reports, including data interpretation and analysis in line with the highest industry standards.
- Provided continuous support and direction to research staff, ensuring rigorous adherence to protocols and GLP guidelines.
- Worked internally across business development, QA, and finance teams, and externally with suppliers, service providers, and collaborators.
- Supported business development initiatives through scientific consultation, client communication, and cross-departmental coordination.

Teaching Experience

Oct. 2017-Sep. 2021 Teaching Assistant

Tel-Aviv University, Sackler Faculty of Medicine, Department of Cell and Developmental Biology

Courses: Histology and Embryology, 2nd year medical students

Education

2024

Data Analyst Expert

John Bryce Academy

- Database structures
- Basic data analyst using SQL
- Advances SQL for data analyst
- Developing program using MSSQL
- Python basics
- Data analysis with pandas
- DA using AI
- Data analysis using Excel
- Power BI
- Introduction to big data analysis

2017-2021

Ph.D., Medical Sciences

Department of Cell and Developmental Biology,

Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.

Thesis: The Molecular Basis of Pericyte-Dependent β -Cell Function: Elucidating the Roles of Pericytic Tcf7l2, BMP4, and Basement Membranes Components

2014-2016

M.Sc., Medical Sciences

Department of Cell and Developmental Biology,

Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

Thesis: Studying the Role of Islet Pericytes in beta-Cell Function and Glucose Homeostasis.

July 2014

CRA-Clinical Research Associated Training Course

- IHC-GCP
- Legal and regulatory requirements: Israel ministry of health, EMA, FDA
- Monitoring and coordination of clinical trials and projects
- Clinical trials in medical devices
- Ethics in clinical trials
- Safety and Pharmacovigilance
- The investigator and the sponsor
- Quality and Statistics

2010-2014

B.Sc., Medical and Life sciences

Sackler Faculty of Medicine and Wise Faculty of Life Sciences,
Tel Aviv University, Tel Aviv, Israel

Language:

Arabic – Native

English – Fluent

Hebrew – Fluent

Appendix

Lab Skills:

- **Protein Techniques:** Immunohistochemistry (IHC), immunofluorescence (IF).
- **Histology:** Tissue harvesting, embedding, sectioning (cryostat and microtome), various staining methods, imaging and analyzing

- **Cell Culture:** Cultivation and maintenance of primary cultures and established cell lines using sterile techniques.
- **Biochemistry:** ELISA, Western blotting.
- **Molecular Biology:** RNA extraction, PCR, RT-qPCR.
- **Instrumentation & Imaging:** Skilled in the use of fluorescence, light, and confocal microscopy, flow cytometry (FACS), CytoFLEX and FACS sorting.
- **Animal Handling:** Extensive experience in mouse models including handling, tissue harvesting, islet isolation, in vivo procedures, intraperitoneal/subcutaneous injections, and blood sampling.
- **Software Proficiency:** Kaluza, GraphPad Prism, ImageJ, Adobe Photoshop, and Illustrator.