

Lina Sakhneny

PHD Medical Science | Data Analyst

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Summary

Ph.D.-level biomedical scientist and certified data analyst with proven experience bridging biomedical research, AI development, and product strategy. Expertise in managing multidisciplinary research and AI-biotech projects, defining scientific requirements, and overseeing end-to-end data lifecycles—from acquisition and annotation to quality control, validation, and reporting. Skilled in working closely with algorithm, engineering, clinical, and regulatory teams to translate clinical needs into scalable, data-driven healthcare products.

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.