



Postdoctoral Researcher in Antibody Engineering for Wearable Biosensors

School of Medicine, Reichman University,
Herzliya, Israel

The School of Medicine at Reichman University invites applications for a **Postdoctoral Researcher** to join a fully funded, industry-collaborative research project focused on the **discovery and engineering of antibodies for wearable biosensing applications**.

The project will focus on the **discovery, screening, and engineering of monoclonal antibodies, bispecific/multispecific antibodies, and nanobodies (VHHs)**, spanning the entire development pipeline from binder identification and isolation to molecular engineering, functional characterization, and integration of selected candidates into biosensing platforms.

Research activities

The successful candidate will be involved in antibody and nanobody discovery and screening against defined molecular targets; antibody discovery using **phage-display antibody libraries and/or B-cell-based antibody isolation approaches**; recombinant antibody development, expression, production, and characterization; engineering of bispecific/multispecific antibodies and nanobodies (VHHs); characterization of binding specificity and affinity; and adaptation and integration of engineered antibodies into biosensing platforms.

Essential qualifications

- Applicants must hold a **PhD in a relevant discipline**, such as Molecular Biology, Biochemistry, Immunology, Biotechnology, or a closely related field, and have **demonstrated hands-on experience in monoclonal antibody discovery and production**.

- **Candidates with demonstrated expertise in antibody discovery using phage-display libraries and/or isolation and screening of antibody-producing B cells are particularly encouraged to apply.**
- **Experience in antibody engineering, nanobody/VHH technologies, bispecific or multispecific antibody development, and methods for quantitative characterization of protein–protein interactions will be considered a significant advantage.**

We are seeking a highly motivated and independent scientist with strong experimental capabilities, an interdisciplinary mindset, and an interest in **translational research at the interface of academic science and industrial technology development.**

Duration: Three years, with the possibility of extension for an additional year

Location: School of Medicine, Reichman University, Herzliya, Israel

Starting date: Flexible

Application

Applicants should submit:

- Curriculum Vitae
- List of publications
- Contact details for **2–3 academic/professional referees**

Applications should be sent to **Dr. Oren Moscovitz:**

oren.moscovitz@runi.ac.il

The position is open to applicants of all genders and backgrounds.