

Two postdoctoral positions in molecular and metabolic imaging, The Weizmann Institute of Science, Israel

Are you passionate about developing novel tools for in vivo molecular imaging? Are you interested in applying multiplex mapping methodologies to monitor metabolic processes in vivo in different pathologies?

We invite applications for **two ERC-funded postdoctoral positions** in Prof. Amnon Bar-Shir's lab at the Weizmann Institute of Science. Our lab pioneers a **multidimensional toolbox for molecular and metabolic imaging**, enabling non-invasive, longitudinal mapping of complex biological targets using a **single imaging modality—MRI**.

Recent Studies Showcasing Our Approaches:

- J. Am. Chem. Soc. (2024): [Link](#)
- Nat. Biotechnol. (2022): [Link](#)
- ACS Nano. (2022): [Link](#)
- J. Am. Chem. Soc. (2021): [Link](#)
- ACS Nano .(2021): [Link](#)

Who We're Looking For:

We seek highly motivated and creative applicants with a **PhD or MD** who are eager to develop groundbreaking strategies and innovative ideas in **molecular and metabolic imaging**. Candidates with expertise in **chemical biology, metabolomics, synthetic chemistry, PET imaging, or MRI** are particularly encouraged to apply.

As part of our lab, you'll have access to **cutting-edge technologies**, including a state-of-the-art **15.2T MRI scanner** for in vivo implementation of your work. Successful candidates will **lead independent projects**, have the opportunity to **mentor graduate students**, and contribute to **multi-component research initiatives**.

Why Join Us?

The Weizmann Institute of Science is home to an internationally diverse postdoctoral community ([More Info](#)). Postdocs receive full scholarships and are eligible to apply for:

- On-campus housing
- Postdoctoral excellence fellowships
- Travel support (airfare, conferences, etc.)
- Family assistance, visa & medical insurance

The Weizmann Institute was recently ranked **10th globally for research quality** ([Leiden Ranking](#)). Our dynamic research environment fosters **collaboration across disciplines**, spanning fields such as **cancer research, microbiology, chemical biology, and magnetic resonance**.

How to Apply:

Interested candidates should email Prof. Amnon Bar-Shir (amnon.barshir@weizmann.ac.il) with:

 **CV**

 **Cover Letter**