

## Postdoctoral Fellowship Opportunity at The Hebrew University of Jerusalem (HUJI)

**Position:** Two postdoctoral positions

**Location:** Jerusalem, Israel

**Division:** Chemistry

Professor Tamar Stein

Fritz Haber Center for Molecular Dynamics

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### About the research group:

The research group at HUJI, led by Prof. Tamar Stein, invites applications for two postdoctoral positions. The first position focuses on studying reactions in the interstellar medium, in both gas phase and ice environments. The second position will contribute to advancing density functional theory (DFT) capabilities for strongly correlated systems using the ensemble DFT formalism.

### Why Join Us?

Our group is one of the few worldwide conducting state-of-the-art quantum chemistry calculations on astrochemically relevant systems. In addition, we focus on cutting-edge developments in DFT for strongly correlated systems. Awarded the prestigious ERC grant, our research stands out for its excellence and originality. The group fosters a collaborative, intellectually stimulating environment that values critical thinking, creativity, and independent research. We welcome international researchers and promote an inclusive, supportive atmosphere where scientific curiosity thrives.

### Ideal Candidates:

We seek candidates who demonstrate critical thinking and initiative, thriving both independently and collaboratively in an international research environment.

**Position 1:** Requires expertise in quantum chemistry methods (e.g., ab initio, XMS-CASPT2, DFT, QM-MM), experience in modeling chemical reactions, and a strong interest in astrochemical processes and electronic structure theory.

**Position 2:** Requires robust programming skills and a strong background in DFT.

**Application Process:** If you are interested, please reach out to Professor Tamar Stein via email Tamar.Stein@mail.huji.ac.il. [Feel free to share this opportunity with anyone who might be interested.](#) Explore more about our research on Prof. Tamar Stein's website: <https://steinresearch.huji.ac.il/home>

### Apply by September 15, 2025 for [Fulbright funding](#):

- Stipend: \$95,000 (\$47,500 per academic year for two years)
- Reimbursement of up to \$1,700 for airfare expenses for Fulbright fellows (and spouses)
- \$9,000 is available for relocation and additional support by The Hebrew University of Jerusalem
- Partial reimbursement for children's education expenses and fees

**For More information:** [USprograms@fulbright.org.il](mailto:USprograms@fulbright.org.il)