



# Roy Rubín

## Professional experience

2004 – Today **Researcher**

**EPR group, The Farkas Center for Light-Induced Processes, The Hebrew University**

In charge of all continuous wave, time-resolved and Fourier-transform EPR spectroscopy experiments, as well as computational imaging and spectra simulations and analysis, optical absorption and flash-photolysis spectroscopies.

All the experiments are conducted in collaboration with partners in various local and international laboratories (Prof. Gross' Laboratory at the Technion, Prof. Schuster's laboratory at NYU and Prof. Kothe's laboratory at the University of Freiburg, to name a few).

The position also includes supervision of the daily maintenance of the lab's spectrometers, lasers, and all other technical equipment.

2004 – Today **Academic aid**

**Prof. Haim Levanon, Dpt. Of Physical Chemistry, The Hebrew University**

Involved in the writing process and the submission of papers and proposals, both in English and in Hebrew. I have compiled and been granted proposals for both the DFG (Deutsche Forschungsgemeinschaft) and the ISF (the Israel Science Foundation).

Additionally, I serve as the "unofficial secretary" of the Israeli chapter of the Humboldt Foundation (Prof. Levanon is the President), and thus organize the Annual Meetings of the Israeli Humboldt Club (four so far), which have taken place twice in Rehovot (at the Rehovot campus of the Hebrew University and the Weizmann institute of Science) and twice at the Hebrew University in Jerusalem.

I have also created lecture materials for oral presentations and university classes, mainly on the physical chemistry behind the magnetic properties of matter.

2003 – 2004 **Nightlife Correspondent and Reviewer**

**"Pi Ha-Aton", The Students' Newspaper of The Hebrew University**

Creator and developer of the nightlife section of the newspaper. Filed dozens of reviews, reports and interviews about Jerusalem's nightlife and its most influential people.

2003 – 2004 **Security Selector**

**The Israeli President's Official Residence (under Moshe Katsav)**

Served as part of the security detail, in charge of employees and visitors alike, during regular office hours and special events.

## Education

2008 – Today **M.Sc. in Physical and Theoretical Chemistry, The Hebrew University**

Currently Enrolled

2002 – 2008 **B.Sc. in Chemistry, The Hebrew University**

## Computer skills

**Software** Proficient in both Windows and Linux environments, as well as all MS Office applications and versions, and countless other programs (editing, productivity, and internet applications).

**Hardware** Extensive experience in PC building, maintenance and troubleshooting, including all types of peripherals and accessories.

**Programming** Basic programming skills in Matlab and LabView, as well as C++ and Http.

## Languages

Fluent in **Hebrew and English**, very good level of **Italian**, superficial knowledge of **Spanish and French**.

## Army Service

1999 – 2001 **IT Dpt., The Jerusalem Branch of the IDF Recruitment Office**  
Initially in charge of information services, infrastructure and support. Later promoted to head of the digitization project, spearheaded by the Jerusalem branch and subsequently deployed in all other branches.

## Volunteer Work

2002 – 2003 **Member of the "Israeli Friend" Project**  
**Office of Student Activities, The Rothberg International School, The Hebrew University**  
Helping out new international students when they first arrive to Israel and the Hebrew University, and accompanying them throughout the year in all their academic and social endeavors.

## International Events

2009, August **The Spin Chemistry Meeting 2009**; Brock University, St. Catharines, Ontario, Canada  
2009, May **The 215th ECS Meeting**; San Francisco, California, USA  
2009, March **The COST P15 Spin Echo Workshop**; Karlsruhe, Germany  
2007, July **The Spin Chemistry Meeting 2007**; San Servolo, Venezia, Italy  
2005, December **The 2005 Minerva-Gentner Symposium: A Dive into Magnetic Resonance**; Eilat, Israel  
2005, July **The European EPR Summer School and COST Training School**; Wiesbaden, Germany

## Publications

**Photoinduced Electron Transfer in Porphyrin- and Fullerene/Porphyrin-Based Rotaxanes as Studied by Time-Resolved EPR Spectroscopy.** M. Jakob, A. Berg, R. Rubin, H. Levanon, K. Li, D. I. Schuster.

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**Photoexcited Triplet State Properties of Brominated and non-Brominated Ga(III)-Corroles as Studied by Time-Resolved EPR.** L. Wagnert, R. Rubin, A. Berg, H. Levanon, A. Mahammed, Z. Gross.

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