

Noam Brown

19/08/1989 | brownoam@gmail.com | Tel Aviv, Israel

2017-present: PhD student – Tel Aviv University

- PhD student under the supervision of Prof. Ehud Gazit, Shmunis School of Biomedicine and Cancer Research and Prof. Oded Hod, School of Chemistry, Tel Aviv University.
- Combining experimental and quantum-chemical computational tools to investigate optical and electronic phenomenon in bio-inspired materials.
- Teaching assistant in three courses:
 - Quantum mechanics and the chemical bond, School of Chemistry.
 - General chemistry for MD, School of Medicine.
 - Organic chemistry for MD, School of Medicine.

2011-2017: MSc student – Tel Aviv University

- MSc, *magna cum laude* under the supervision of Prof. Ehud Gazit, Shmunis School of Biomedicine and Cancer Research and Prof. Oded Hod, School of Chemistry, Tel Aviv University.
- Structural polymorphism of tri-aromatic peptide systems.

2010-2013: Army Service – Fuel and Lubricant office, Technological and Logistics Branch. Rank: Major (Res.)

- Rank: Major (in reserve).
- Army expert office of fuel and lubricant chemistry, economy, and logistics.
- 2013-2016: vice head of the Fuel and Lubricant office.
- 2010-2013: Fuel and Lubricant officer.

Publications:

- Amit Kumar Mondal, **Noam Brown**, Suryakant Mishra, Pandeewar Makam, Dahvyd Wing, Sharon Gilead, Yarden Wiesenfeld, Gregory Leitus, Linda J. W. Shimon, Raanan Carmieli, David Ehre, Grzegorz Kamieniarz, Jonas Fransson, Oded Hod, Leeor Kronik, Ehud Gazit, and Ron Naaman, *Long-Range Spin-Selective Transport in Chiral Metal–Organic Crystals with Temperature-Activated Magnetization*, *ACS Nano*, **14** (2020), 16624–16633.
- Zohar A. Arnon, Or Berger, Ruth Aizen, Korren Hannes, **Noam Brown**, Linda J. W. Shimon and Ehud Gazit, *Coassembly of Complementary Peptide Nucleic Acid into Crystalline Structures by Microfluidics*, *Small Methods* **3** (2019), 1900179
- Kai Tao, Wen Hu, Bin Xue, Drahomir Chovan, **Noam Brown**, Linda JW Shimon, Oguzhan Maraba, Yi Cao, Syed AM Tofail, Damien Thompson, Junbai Li, Rusen Yang and Ehud Gazit, *Bioinspired Stable and Photoluminescent Assemblies for Power Generation*, *Advanced Materials*, **31** (2019), 1807481.

- **Noam Brown**, Jiangtao Lei, Chendi Zhan, Linda J. W. Shimon, Lihi Adler-Abramovich, Guanghong Wei and Ehud Gazit, *Structural Polymorphism in a Self-Assembled Tri-Aromatic Peptide System*, ACS Nano **12** (2018), 3253-3262.
- **Noam Brown** and Oded Hod, *Controlling the Electronic Properties of Nanodiamonds via Chemical Functionalization: A DFT study*, J. Phys. Chem. C **118** (2014), 5530-5537.