

Prof. Dan T. Major

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EDUCATION

- 2003-2006** Post-Doctoral Research, Advisor: Prof. Jiali Gao, Minnesota Supercomputing Institute and Dept of Chemistry, University of Minnesota, MN, U.S.A.
- 1997-2003** **Ph.D. in Computational Chemistry**, Advisor: Prof. Bilha Fischer, Bar-Ilan University, Ramat Gan, Israel
Thesis Title: "Computational Investigations Into the Molecular Recognition of P2(ATP) Receptors"
- 1993-1997** **B.Sc. in Chemistry and Computer Sciences**, *Magna Cum Laude*
Bar-Ilan University, Ramat Gan, Israel

EMPLOYMENT

- 2017-** Full Professor, Bar-Ilan University
- 2012-2017** Associate Professor, Bar-Ilan University
- 2007-2012** Senior Lecturer, Bar-Ilan University
- 2006-2007** Senior Computational Chemistry Researcher, Magnet consortium

TEACHING EXPERIENCE

- 2021-** Data processing, analysis, and visualization in Python
- 2020-** Introduction to programming in Python for chemists
- 2015-** Quantum Mechanics and Spectroscopy
- 2008-** Mathematical Models in Chemistry
- 2008-2010** Undergraduate Seminar in Physical Chemistry
- 2008-2010** Graduate Seminar in Physical Chemistry
- 2008-** Introduction to Quantum Mechanics
- 2007-** Computational Chemistry
- 1999-2003** General Chemistry
- 1997-2003** Computers for Chemists

ACADEMIC AWARDS AND DISTINCTIONS

2016-2017	Excellence in teaching, Rector's Office, Bar-Ilan University
2009	Krill Prize (Wolf Foundation)
2007-2010	Alon Fellowship
2003-2004	Fulbright Scholarship
2001	Excellence in teaching, Rector's Office, Bar-Ilan University
2000-2003	Eshkol Scholarship
2001	Excellent young scientist from the Israeli Chemical Society
1999	Moris Benin Prize
1998	Bar-Ilan University Chemistry Department Prize
1998	Wolf Foundation Student Prize
1997	Rachel and Reuven Jacobs Prize

ACADEMIC GRANTS

2021-2023	Ministry of Energy (450,000 NIS) (w/Noked)
2020-2022	MAFAAT (400,000 NIS)
2019-2022	GIF (240,000 Euro)
2019-2022	Ministry of Science and Technology (1,500,000 NIS)
2018-2019	BASF (50,000 Euro)
2018-2022	ISF (1,000,000 NIS)
2016-2021	INREP National Renewable Energy center member
2015	ISF, Conference grant (68,000 NIS)
2015	Ministry of Science and Technology, conference grant, (40,000 NIS)
2014-2018	ISF (1,040,000 NIS)
2013-2017	BSF (230,000 USD)
2012-2017	INREP National Renewable Energy center member (Total center funding: 44,989,200 NIS)
2012-2017	Nanostructured oxides for quantum conversion of solar energy center member (Focal Technology Area), (Total center funding: 8,975,000 USD)

2012	Minerva Center grant (DTM grant coordinator) (Total center funding: 75,000 Euro)
2010-2012	BINA Energy project (75,500 USD)
2009-2013	ISF equipment (120,000 USD)
2009-2013	ISF (888,000 NIS)
2008-2012	BSF (230,000 USD)
2008-2012	Lise-Meitner Grant (50,000 NIS)
2009	Safed Scientific Workshops Program (10,000 USD)
2009	Research Workshop of the ISF (17,000 USD)
2009	Vice President Workshop Grant (1,000 USD)
2008-2012	Rectors Grant (45,000 NIS)

CONFERENCES ORGANIZED

2019	Schrodinger user meeting, Bar-Ilan University 2019
2018	NSC-BINA conference, Jyväskylä, Finland
2017	Israel Chemical Society Conference, member of organizing committee
2015	Isotopes 2015 conference, Jerusalem
2012	LinkSCEEM conference on supercomputing, Bar-Ilan University
2009	Biomolecular modeling and simulations, Safed summer workshop

STUDENTS AND POST-DOCS

M.Sc. students	15 (Graduated), 4 (Current)
Ph.D. students	5 (Graduated), 4 (Current)
Post-docs	17 (Completed), 3 (Current)