

CURRICULUM VITAE

Dmitri (Dima) Gelman

1. Personal Details

Date of Birth	26.12.1974
Place of Birth	Chelyabinsk, USSR
Date of Immigration	1991
Nationality	Israel
ID Number	30884744-1
Military Service	Sergeant major (Armored Corps)
Family Status	Married (+2 +dog)
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2. Higher Education

1993-1996	B.Sc. in Chemistry (<i>The Hebrew University of Jerusalem, Israel</i>).
1996-1997	M.Sc. in Organic Chemistry (<i>The Hebrew University of Jerusalem, Israel</i>). Supervisors: Prof. Jochanan Blum and Prof. Zeev Aizenshtat.
1999-2002	Ph.D. in Organic and Organometallic Chemistry (<i>summa cum laude, The Hebrew University of Jerusalem, Israel</i>). Supervisor: Prof. Jochanan Blum.
2002-2004	Postdoctoral associate (<i>Department of Chemistry, Massachusetts Institute of Technology, Cambridge, USA</i>). Host: Prof. Stephen L. Buchwald.

3. Academic Appointments

2004-2009	Senior Lecturer in Organic and Organometallic Chemistry (<i>Institute of Chemistry, the Hebrew University of Jerusalem, Israel</i>).
2010-2018	Associate Professor in Organic and Organometallic Chemistry (<i>Institute of Chemistry, the Hebrew University of Jerusalem, Israel</i>).

2018	Full Professor in Organic and Organometallic Chemistry, (<i>Institute of Chemistry, the Hebrew University of Jerusalem, Israel</i>).
2019	Esther K. And M. Mark Watkins Chair in Organic Chemistry
2017	Visiting Professor (<i>Department of Chemistry, University of Perugia, Perugia, Italy</i>)
2018	Visiting Professor (<i>Department of Chemistry, RUDN, Russia</i>).
2019-2020	Visiting Professor (<i>Department of Chemistry and Mineralogy, University of Leipzig, Germany</i>).
2023	DAAD Visiting Professor (<i>Department of Chemistry and Mineralogy, University of Leipzig, Germany</i>).

4. Additional Functions at the Hebrew University

- Seminar coordinator - organic chemistry seminar (2004-2006).
- Seminar coordinator - joint organic & inorganic chemistry seminar (2006-2007 and 2012-2015).
- Safety coordinator - served as a liaison for cataloging chemicals in the institutional storage rooms, disposal of unidentified chemicals and other safety-related issues in the Institute of Chemistry (2004-2015).
- Head of the committee for supervision and control of the chemical stocks in the Hebrew University (2011-2012).
- Academic responsibility on interdepartmental NMR laboratories (2006-2015).
- Member of the educational committee in the Institute of Chemistry (2007-2018).
- Member of the recruitment committee (2014-2020)
- Member of the educational committee in the Faculty of Science (2015-2018).
- Coordinated and launched the Dual BSc Degree in Chemistry and Material Sciences HUJI-Azrielli College of Engineering (2015-2017).
- Coordinated the combined BSc-SASc degree in Chemistry and Ceramic design between HUJI and Bezalel College of Arts and Design (2017-2018).
- Head of the School of Chemistry (2015-2018).
- Academic Coordinator and Head of the HUJI-Perugia University (Italy) Dual MSc degree in Chemical Sciences (2018- present).
- Member of the safety committee at HUJI (2019-present).
- Head of the HUJI appointments committee (2024-)

5. Service in other Academic and Research Institutions

- Occasional member of examining committees at Technion, BGU and TAU.

6. Additional Academic Activity

- Member of the international advisory board of the *European Journal of Inorganic Chemistry*.
- Member of the Editorial Advisory Board of *ChemistrySelect*.
- Refereeing for international journals: *Angewandte Chemie*, *Chemistry – An European Journal*, *Journal of Organic Chemistry*, *Journal of the American Chemical Society*, *Journal of Organic Chemistry*, *Journal of Organometallic Chemistry*, *Organic Letters*, *Inorganic Chemistry*, *Organometallics*, *Tetrahedron Letters* and *Coordination Chemistry Reviews*, etc.
- Refereeing for funding agencies: Israel Science Foundation (ISF), German-Israeli Foundation for Scientific Research and Development (GIF), Petroleum Research Foundation (PRF) and U.S.-Israel Binational Science Foundation (BSF).
- Professional membership at the Israel Chemical Society.
- Member of the organizing committee for the 73^d annual meeting of the Israel Chemical Society, 2008.
- Chair of the organizing committee for the 79th annual meeting of the Israel Chemical Society, 2014.
- Member of the organizing committee for the Batsheva de Rothschild International Symposium on activating strong bonds, 2019.
- Chair of the organizing committee Bilateral HUJI-Bayreuth University Workshop on Materials, 2019.
- Member of the organizing committee for Bilateral HUJI-Vienne University, 2022.

7. Community Activity

Promoting chemistry and natural sciences in the community, including popular lecturing at schools (WIZO Hadassim Youth Village, Har-El High School, and schools at the district of Jerusalem) and organizing symposia for pupils learning chemistry at schools.

8. Awards

1997 - Kenat Prize

2001 - Klein Foundation Prize

2002 - Diploma summa cum laude

2006 - Porath Foundation Prize

2012-2016 – Excellent teacher

2012 – Excellent young scientist award of the Israeli Chemical Society

2019 – DAAD Visiting Professorship

2019 - Richard Willstätter Lectureship

2022 - DAAD Visiting Professorship

9. Grants Received

1. 2005 (1 year): HUJI internal funds, "A new possible approach to the synthesis of cyclic polynitrogen compounds", Dmitri Gelman, 30,000 USD.
2. 2006 (1 year): Yessumit, "Organic bi-stable materials: design, synthesis and potential applications in molecular-level microelectronics", Dmitri Gelman, 25,000 USD.
3. 2006: Israel Science Foundation, "Major Installations Equipment Grant toward the upgrade of interdepartmental NMR laboratories" (with Prof. D. Avnir and Prof. S. Biali).
4. 2006 (1 year): German-Israeli Foundation for Scientific Research and Development, Young Scientists Program, "Novel approach to the asymmetric Heck reaction", Dmitri Gelman, 29,000 EUR.
5. 2006-2010 (4 years): Israel Science Foundation, "Novel trans-spanning bidentate ligands: design, synthesis and catalytic applications", Dmitri Gelman, ca. 800,000 NIS.
6. 2007-2009 (3 years): Niedersachsen Research Cooperation Program, "Design of new conformationally flexible catalysts for asymmetric catalytic transformations" Dmitri Gelman (Isr. PI), Svetlana Tsogoeva (Ger. PI) and Prof. Dr. Lutz Tietze (Ger. CI - Göttingen University, Germany), ca. 76,000/154,000 EUR.
7. 2007-2009 (3 years): German-Israeli Foundation for Scientific Research and Development, "Novel binuclear quasi-closed halo-bridged complexes: Investigation of their coordination mode, catalytic activity in carbon-carbon bond forming reactions and application as catalysts to the synthesis of novel photo-switchable materials" Dmitri Gelman (Isr. PI) and Karola Rueck-Braun (Ger. PI - TU Berlin, Germany), ca. 66,000/130,000 EUR.
8. 2009 (1 year): Scientific Innovation, HUJI, "Toward production of molecular hydrogen from alcohols" Dmitri Gelman, 25,000 USD.
9. 2011 (4 years): Israel Science Foundation, "New C(sp³)-metalated Complexes: Organometallic Chemistry and Catalysis", Dmitri Gelman, ca. 900,000 NIS.
10. 2011 (2 years): US-Israel Binational Science Foundation, "Design of C(sp³)-Metalated Building Blocks Toward the Synthesis of Novel Metal-Modified Conjugated Polymers for Photovoltaic Applications" Dmitri Gelman (Isr. PI) and Eugene E. Nesterov (US. PI – Louisiana State University), ca. 67,000/75,000 USD.
11. 2011 (1 year): Yisum, "Employment of the automated cyclic continuous-flow technology for the clean large-scale fabrication of organic semiconductor-based solar cells" Dmitri Gelman, 48,000 USD.
12. 2012 (2 years): Israeli Ministry of Science and Technology, Israel-Italy Cooperation, "Employment of the automated cyclic continuous-flow technology for the clean large-scale fabrication of organic semiconductor-based solar cells" Dmitri Gelman (Isr. PI) and L. Vaccaro (Italian PI – University of Perugia), 204,000 NIS.

13. 2012 (3 years) German-Israeli Foundation for Scientific Research and Development, "Novel bifunctional catalytic systems toward ruthenium-catalyzed ortho-arylation of arenes with aryl (pseudo)halides" Dmitri Gelman (Isr. PI) and Lutz Ackermann (Ger. PI – Göttingen University, Germany), ca. 180,000 EUR
14. 2013 (4 years) Israel Science Foundation, "Catalytic reduction of CO₂ to methanol", Dmitri Gelman, ca. 1,750,000 NIS.
15. 2015 (4 years) Israel Science Foundation, "It's all about FA", Dmitri Gelman, ca. 1,300,000 NIS.
16. 2015 (2 years) MAFAT, Ministry of Defense, "New synthetic approach toward poly-nitrogen compounds", Dmitri Gelman, ca. 400,000 NIS.
17. 2015 (1 year): Yessumit, "Bi-catalytic systems for facile functionalization of alkanes", Dmitri Gelman, 25,000 USD.
18. 2016 (2 years) Israel Science Foundation – Bikora program, "A bicatalytic approach toward acceptorless dehydrogenation of alkenes", Dmitri Gelman, 550,000 NIS.
19. 2017 (2 years) MAFAT, Ministry of Defense, "Aminoazide-borane adducts as propellants", Dmitri Gelman, ca. 400,000 NIS.
20. 2019 (2 years) MAFAT, Ministry of Defense, "New covalently and non-covalently bound dimeric explosives", Dmitri Gelman, ca. 600,000 NIS.
21. 2019 (3 years) German-Israeli Foundation for Scientific Research and Development, "A modular single-molecule platform for designing bifunctional catalysts for CO₂ hydrogenation "Dmitri Gelman (Isr. PI) and Evamarie Hey-Hawkins (Ger. PI – Leipzig University, Germany), 120,000/240,000 EUR
22. 2020 (4 years) Israel Science Foundation, "Multifunctional pincer complexes possessing a secondary coordination sphere as catalysts for CO₂ hydrogenation", Dmitri Gelman, ca. 1,400,000 NIS
23. 2021 (4 years): US-Israel Binational Science Foundation, "A modular single-molecule platform for designing heterobimetallic catalysts for CO oxidation" Dmitri Gelman (Isr. PI), and Stanislav Groysman (US. PI – Wayne State University) and Richard Lord (US-CoPI - Grand Valley State University), ca. 125,000/275,000 USD.
24. 2023 (1 year) - Ministry of Defense Israel-Singapore, "Hybrid explosives", Dmitri Gelman (PI) and Avi Bino (co-PI), ca. 390,000 USD.

TOTAL ca. 3,300,000 USD

10. Teaching & Supervising

a) M.Sc. degree students

2004-2005	Olga Grossman – PhD in my group.
2005-2006	Clarite Azerraf - Direct PhD track in my group.
2007-2009	Roy Levi – presently, a researcher at Teva Pharmaceuticals.
2007-2009	Alina Shpruhman-Uman – presently a medical representative at Abbott.

2009-2011	Ronit Romm – presently a researcher at Water-Gen.
2009-2011	Sanaa Mussa - Direct PhD track.
2010-2012	Ira Shaposhnikov - PhD with Prof. Eli Grushka.
2010-2012	Orit Cohen - PhD in my group.
2010-2012	Kobi Oded - PhD with Prof. Israel Agranat.
2012-2014	Sveta Fronton - presently a researcher at Adama Global.
2013-2014	Vadym Kozel - PhD with Prof. Luigi Vaccaro, Perugia University.
2013-2015	Sophie de-Botton - PhD in my group.
2013-2015	Reem Remawi - presently a researcher at Sigma-Aldrich.
2014-2016	Ilya Kisets - Direct PhD track in my group.
2016-2018	Eman Slaame - presently a researcher at Kalytera Therapeutics.
2017-2019	Shuruq Mujahed – PhD in my group.
2019-2021	Stas Gelman-Tropp – PhD in my group.
2020-2022	Yana Radchenko – PhD in my group.
2023-present	Limor Herman
2023-present	Max Efremenko

Ph.D. students

2006-2010	Olga Grossman – presently a researcher at FineTech.
2006-2010	Clarite Azerraf – presently a process manager at Melodea.
2006-2010	Liza Penn – presently a Head of R&D at Adama Global.
2006-2010	Luba Kaganovsky – presently a researcher at Teva Pharmaceuticals.
2011-2014	Sanaa Musa – presently a faculty member at MIGAL - Galilee Research Institute.
2012-2018	Institute.
2012-2017	Orit Cohen - presently Lab manager at HUJI.
2013-2018	Shirel Cohen – presently a researcher at StoreDot.
2015-2020	Sophie de-Botton – presently a researcher at Aadama.
2016-2021	Ilya Kisets – presently a researcher at Store-Dot.
2018-2023	Shuruq Mujahed
2018-present	Yair Shalom (co-supervised by Prof. Avi Bino)
2020-present	Stas Gelman-Tropp
2022-present	Yana Radchenko

b) Post-doctoral fellows

2013-2015	Dr. Ananda Kumar Jami (India)
2014-2015	Dr. Amrita Ghosh (India)
2015-2016	Dr. Mariusz Wolf (Poland)
2017-2017	Dr. Poonam Rajesh (India)

2017-2018	Dr. Vadym Kozel (Israel).
2018-2020	Dr. Amani Zoabi (Israel)
2018-2019	Dr. Ajeet Singh (India)
2020-2021	Dr. Peter Wonneberger (Germany)
2021-2023	Dr. Nandita Biswas (India)

c) Courses taught

2004-2005	<i>Co-supervisor</i> - Organic Chemistry Lab (69314 - Basic obligatory laboratory course given to the 2 nd year chemistry students)
2005-2009	<i>Lecturer</i> - Organic Chemistry B (69306 - Basic obligatory course given to the 2 nd year chemistry students)
2005-2009	<i>Supervisor</i> - Experiment in organometallic chemistry within the frame of the Advanced Laboratory in Chemistry, (69520 - Advanced elective laboratory course given to the 3 ^d year chemistry and M.Sc. degree students).
2006-2010	<i>Lecturer</i> - Organometallic Compounds in Organic Synthesis (Advanced elective course given to the 3 ^d year chemistry and Master's degree students)
2006-2010	<i>Co-supervisor</i> - Seminar for M.Sc. students (69991 – Obligatory course given to the Master's degree student).
2010-2011	<i>Lecturer</i> - Organic Chemistry A (69128 - Basic obligatory course given to the 2 nd year chemistry students)
2010-2017	<i>Supervisor</i> - Organic Chemistry Lab (69321 - Basic obligatory laboratory course given to the 2 nd year chemistry/biology students)
2011-2015	<i>Lecturer</i> - Organic Chemistry B (69306 - Basic obligatory course given to the 2 nd year chemistry students)
2005-2015	<i>Advisor</i> for the 2 nd year B.Sc. degree students
2012-2015	<i>Supervisor</i> – Advanced Organic Chemistry Lab (69635 - Obligatory laboratory course given to the 3 ^d year chemistry students).
2016-2017	<i>Lecturer</i> – Organic Chemistry for the Medical school students (69118 – Obligatory course)
2017-2019	<i>Lecturer</i> – Molecular structure determination by spectral methods (69639 – Basic obligatory course given to the 2 nd year chemistry students)
2017-2019	<i>Supervisor</i> - Organic Chemistry Lab (69314 - Basic obligatory laboratory course given to the 2 nd year chemistry students).
2020	<i>Lecturer</i> - Industrial Transition Metal Catalysis. (Advanced obligatory course at the Department of Chemistry and Mineralogy, University of Leipzig, Germany).
2020	

- 2020-2021 *Lecturer* – Advanced Bio-Inorganic Chemistry. (Advanced obligatory course at the Department of Chemistry and Mineralogy, University of Leipzig, Germany).
- 2021-present *Supervisor* - Organic Chemistry Lab (69314 - Basic obligatory laboratory course given to the 2nd year chemistry students).
- 2020-present *Lecturer* - Organometallic Chemistry and Catalysis (Advanced elective course given to the 3^d year chemistry and Master's degree students)
- 2021-present *Lecturer* – Molecular structure determination by spectral methods (69639 – Basic obligatory course given to the 2nd year chemistry students)
Co-supervisor - Seminar for M.Sc. students (69991 – Obligatory course given to the Master's degree student).