

Curriculum Vitae - Yuri Tulchinsky, Ph.D.

Contact information:

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Education:

Post-doctoral research	Massachusetts Institute of Technology Department of Chemistry (Inorganic subdivision) P.I.: Prof. Mircea Dincă	2014-2017
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Ph.D. in Chemistry	Technion – Israel Institute of Technology Schulich Faculty of Chemistry Ph.D. supervisor: Prof. Mark Gandelman	2007-2013
Thesis: <i>“Coordinative Chemistry of N-Heterocyclic Nitrenium Ligands”</i>		

M.Sc. in Chemistry	Weizmann Institute of Science, Department of Organic Chemistry M.Sc. supervisor: Prof. Abraham Shanzer	2003-2006
Thesis: <i>“Approaches to a Biomimetic Opiate Receptor: Design, Synthesis & Characterization”</i>		

B.Sc. in Biology & Chemistry	Hebrew University, Jerusalem, Faculty of Mathematics and Sciences	1999-2003
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B.A. in Performance (piano) & Composition	Rubin Academy for Music and Dance, Jerusalem	1996-2000
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Employment:

Senior lecturer (Assistant Professor) in the Institute of Chemistry of the Hebrew University in Jerusalem	from 2018
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Scent Detection Technologies, Ltd. Position: Chemist (R&D)	2006-2007
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Scholarships and Awards:

MIT-Technion Post-Doctoral Fellowship	2013
Shulich Excellence Prize for Graduate Students	2010

Research Grants:

ERC starting grant (Met_Cav - 853195) **2019**

"Metal-oxo functionalized cavitands for a site-selective C-H oxidation"

ISF personal research grant (2079/22)

"Cationic Sulfur-Based Ligands in Catalytic N₂ Fixation" **2022**

Publications (since employment at HUJI):

1) R. Li, N. Barel, V. Subramaniyan, F. Tibika, R. Hoffman and Y. Tulchinsky* "Sulfonium-Pincer Ligands Flexibility in Pt(II) Complexes", *Organometallics*, accepted, **2023**, preprint, DOI: 10.26434/chemrxiv-2022-6ks78

2) V. Subramaniyan, F. Tibika, and Y. Tulchinsky* "Effect of Internal Ligand Strain on Coordination Behavior of PSP Pincer Ligands", *Inorg. Chem.*, **2023**, 62(1), 123–136.

3) R. Li, N. Barel, V. Subramaniyan, O. Cohen, F. Tibika and Y. Tulchinsky* "Sulfonium cations as versatile strongly π -acidic ligands", *Chem. Sci.*, **2022**, 13, 4770-4778.

Research interests:

Supramolecular chemistry

Organometallic chemistry

Electrophilic catalysis