

Professor Hanoch Senderowitz: Curriculum Vitae

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PERSONAL DATA

Name: Hanoch Senderowitz, Ph.D.
Academic degree: Full Professor
Position: Head of the laboratory of Molecular Modeling, Computer Aided Drug Design and Chemoinformatics
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RESEARCH INTERESTS

Computational chemistry, biology, and agriculture, molecular modeling, computer aided drug design, QSAR, QSPR, data mining, machine learning, chemoinformatics, materials-informatics, forensic-informatics, agro-informatics, Cystic Fibrosis, CFTR

EDUCATION AND TRAINING

1984 - 1987: B.Sc., Chemistry, Tel Aviv University, Tel Aviv, Israel
1987 - 1993: Ph.D., Computational Organic Chemistry, Tel Aviv University, Tel Aviv, Israel, Laboratory of Professor Benzion Fuchs
Ph.D. title: "Studies in Stereoelectronics: Theory vs. Experiment"
1993 - 1994: Post Doctorate Fulbright Fellow, Department of Chemistry, Columbia University, New York, USA, Laboratory of Professor Clark Still
1994 - 1997: Post Doctorate Research Scientist, Department of Chemistry, Columbia University, New York, USA, Laboratory of Professor Clark Still

POSITIONS AND EMPLOYMENT

2020 - Full professor, Department of Chemistry, Bar-Ilan University
2017: Visiting professor at the laboratory of Chemoinformatics at the University of Strasbourg
2009 - 2020: Associate Professor, Department of Chemistry, Bar Ilan University
2009 - 2019: Lecturer at Machon Tal, Jerusalem College of Technology, Jerusalem, Israel.
2003 - 2008: Executive Director Computational Development, EPIX Pharmaceuticals, Ramat Gan, Israel
1997 - 2003: Molecular Modeller and Head of Molecular Modeling Unit, Peptor Ltd., Ness Ziona, Israel
1991: Visiting Research Fellow, Heidelberg University, Heidelberg, Germany

AWARDS AND FELLOWSHIPS

1985 - 1987: Dean's list, undergraduate
1988: Dean's list, graduate
1991: D. Ben-Gurion Research Fund
1993: The Israel Chemical Society's Excellence Award for Graduate Students
1993 - 1994: The Fulbright Junior Researcher Fellowship

OTHER SCIENTIFIC ACTIVITIES

1995 - 2018: Faculty member at the 5th, 6th, 8th, 9th, 10th, 11th, European Workshop in Drug Design, Siena, Italy
2008 - 2009: Advisor to CFFT (Cystic Fibrosis Foundation Therapeutic)
2009 - 2018: Member of the CFTR 3D consortium organized by CFFT
2009 - 2012: Member of COST action CM0801: New drugs for neglected diseases
2012 - 2020: Faculty member at the 3rd, 5th, 6th, 7th, Strasbourg Summer School in Chemoinformatics, Strasbourg, France
2015 - 2020: Member of COST action CA15135: Multi-target paradigm for innovative ligand identification in the drug discovery process
2016 - 2020: Head of work group 4 (WG4; Development of Computational methods for multiple ligand design and discovery) of COST action CA15135: Multi-target paradigm for innovative ligand identification in the drug discovery process
2017 - 2019: Member of the external advisory board of CF@LANTA, the CF center at Atlanta, GA, USA
2017: Visiting professor at the laboratory of Chemoinformatics, the University of Strasbourg
2017 - 2018: Guest editor for a special issue on materials-informatics published by ACS's Journal of Chemical Information and Modeling
2018 - 2020: Member of the Editorial Advisory Board of *Molecular Informatics*

2018 - Present: Member of the Editorial Advisory Board of the *International Journal of Molecular Sciences (IJMS)*
2019 Organizer of a symposium on Materials Informatics at the ACS Fall 2019 National Meeting, San Diego, USA
2020 - Present: Member of the Editorial Advisory Board of ACS's *Chemical Research in Toxicology*
2020: Guest editor for a special issue on QSAR and Chemoinformatics in Molecular Modeling and Drug Design published by International Journal of Molecular Sciences
2020 - Present: Associate Editor of *Molecular Informatics*.
2023 – Present: Associate Editor of *Frontiers in Drug Discovery*

TEACHING

Undergraduate courses: General and physical chemistry A (for biologists)
General and physical chemistry B (for biologists)
General chemistry B (for chemists)
Seminar in medicinal chemistry
Physical organic chemistry
Statistics
Advances statistics
Seminar in computational chemistry
Graduate courses: Mathematical models in chemistry
Seminar in bio-organic chemistry
Introduction to chemoinformatics
Advanced organic chemistry
Seminar in computational chemistry

STUDENTS AND POST-DOCS

MSc students: 10 (graduated), 8 (current)
PhD students: 6 (graduated), 1 (current)
Post-docs: 4 (completed)

PUBLICATIONS PROFILE

Manuscripts: 114
Proceedings: 37
Book chapters: 4
Patents: 6
Oral presentations at scientific meetings: 81

h-index (google scholar): 29
Total citations (google scholar): 3062