

VITA OF WILLIAM L. JORGENSEN

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 Date of Birth: October 5, 1949 (New York, New York)

**Employment**

2009- Sterling Professor of Chemistry, Yale University
 2009-2012 Director, Division of Physical Sciences and Engineering, Yale University
 1990-2009 Whitehead Professor of Chemistry, Yale University
 1989 Visiting Professor, Harvard University.
 1985-1990 Herbert C. Brown Professor of Chemistry, Purdue University.
 1984-1987 Head, Organic Chemistry Division, Purdue University.
 1982-1990 Professor, Department of Chemistry, Purdue University.
 1979-1982 Associate Professor, Department of Chemistry, Purdue University.
 1975-1979 Assistant Professor, Department of Chemistry, Purdue University.
 1970-1975 Graduate student, Harvard University (Advisor: E. J. Corey).

Education

1970-1975 Harvard University - Ph. D. in Chemical Physics
 1967-1970 Princeton University - A. B. in Chemistry

Honors

2012 Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids (ACS)
 2011 Member, National Academy of Sciences
 2010 Member, International Academy of Quantum Molecular Science
 2009 Fellow, American Chemical Society
 2007 Member, American Academy of Arts and Sciences
 2004 Sato Memorial International Award - Pharmaceutical Society of Japan
 2004 Award in Computational Biology – Intl. Society for Quantum Biology and Pharmacology
 1998 Award for Computers in Chemical and Pharmaceutical Research (ACS)
 1994 Fellow, American Association for the Advancement of Science
 1990 Arthur C. Cope Scholar Award, American Chemical Society (ACS)
 1990 Special Creativity Award, National Science Foundation
 1989 Special Creativity Award, National Science Foundation

- 1986 Annual Medal of the International Academy of Quantum Molecular Sciences
1979 Alfred P. Sloan Foundation Fellow
1978 Camille and Henry Dreyfus Foundation Teacher-Scholar
1970 A.B. summa cum laude; McCay Prize in Chemistry (Princeton)

Invited Lectures

Dr. Jorgensen has presented more than 600 invited lectures including such distinguished lectureships as 7th Marvel Symposium, U. Arizona; 15th Leermakers Symposium, Wesleyan U.; 1988 Nobel Symposium; Organic Synthesis Distinguished Lecturer, U. Colorado; 6th W. S. Johnson Lectures, Stanford U.; Steiglitz Memorial Lecturer, Chicago ACS; Research Scholar Lecturer, Drew U.; Royal Society Faraday and Perkin Lectures; Visiting Lecturer, ETH Zürich; 34th National Organic Symposium; Tetrahedron Symposium 2004 & 2008; Tanabe Lecturer, Scripps; Hirschmann Lecturer, Oberlin; Gunning Lecturer, U. Alberta; H. C. Brown Lecturer, Purdue U.; Schleyer Lecturer, U. Georgia; Gerhard Closs Lecturer, U. Chicago; ISQBP Plenary Lecturer; BMS Lecturer, Scripps; 3eme Cycle Lecturer, Switzerland; Olsen Lecturer, Utah State; Lise Meitner Lecturer, Israel; Gilda Loew Memorial Lecturer, ISQBP; J. Wiley Lecturer, Scripps; Grandpierre Lecturer, Columbia U.; Molecular Physics Lecturer, Thermodynamics 2011 (Athens); MGMS Lecturer, Comput. Mol. Sci. 2012; Federico Arcamone Lecturer, IIT Genoa; Kolthoff Lecturer, U. Minnesota; Bryan E. Koehler Lecturer, UC Riverside; Bone Lecturer, Wilkes U.; Topliss Award Lecturer, U. Michigan. A complete list of recent invited lectures is at the end of this document.

Editor

Journal of Chemical Theory and Computation, 2005-
Journal of Chemical Information and Modeling (formerly JCICS), 2005-2013
Journal of Chemical Information and Computer Sciences (JCICS), 2004
Encyclopedia of Computational Chemistry, 2001-2005
Journal of Computational Chemistry, 2002 –2003

Member or Officer

National Institutes of Health, Medicinal Chemistry A Study Section, 2001-2004
American Chemical Society -
Chairman-Elect, Computers in Chemistry Division, 2001; Chairman, 2002
International Society for Quantum Biology and Pharmacology -
Vice President, 2000; President, 2001-2002

American Chemical Society Committees

W. Gibbs Medal Nominating Committee, 2001-2004
Board of Editors, 2004-
ACS Executive Director's 2010 Committee, 2004-2009
ACS Executive Director's 2020 Committee, 2009-
ACS Assessing the IT Future Committee, 2006
Search Committee for the Publications Division President, 2007

Task Force to Recommend Appointments to the Governing Board of Publishing, 2009
Chair, Search Committee for the Editor of ACS Medicinal Chemistry Letters, 2009
Task Force on Author Rights and Obligations, 2009
Chair, Search Committee for the Editor of the Journal of Medicinal Chemistry, 2010

Yale Committees

Fellow, Trumbull College, 1990-
Physical Sciences & Engineering Advisory Committee, 1994-96, 2004-2012
Biological Sciences Advisory Committee, 2004-2006
Scholar Awards Committee, 2005-9
Wilbur Cross Medal Committee, 2009-2012
Chemical Biology Institute Advisory Committee, 2009-
Science & Engineering Advisory Committee, 2009-2012
Cancer Biology Institute Advisory Committee, 2011-
Cooperative Research Committee, 2011-
Screening Core Advisory Committee, 2012-
Science Hill Building Committee, 2011-
Chemistry Dept.: Advisory, Planning, Building, Hiring, Awards

Memberships on Advisory Boards

Analyst for Data Trace, Inc. (Chemtracts) 1986-98
Advisory Committee, NIH Regional NMR Center (Columbia U.), 1986-90
Scientific Advisory Board, Evans & Sutherland Inc., 1987-92
Scientific Advisory Board, Ariad Pharmaceuticals Inc., 1991-
Scientific Advisory Board, CombiChem Inc., 1994-1999
Scientific Advisory Board, Schrödinger Inc., 1996-
Scientific Advisory Board & Founder, Rib-X Pharmaceutical Inc., 2001-2013
Scientific Advisory Board & Founder, Melinta Therapeutics Inc., 2013-
Scientific Advisory Board, Vitae Pharmaceuticals, 2005-
Current Consultant: Warp Drive Bio
Expert Witness: Kaye Scholer LLP, 2004-; Kirkland & Ellis LLP, 2012-
Past Consultant: Agouron, Parke-Davis, Pfizer, Pharmacia
AAAS Electorate Nominating Committee, 2003-2006; Chair, 2004
World Association of Theoretical & Computational Chemists (WATOC), 2003-9
J. Allyn Taylor International Prize in Medicine Committee, 2006
NIH, Centers for Chemical Informatics Advisory Board, 2006
NSF, Mathematical & Physical Sciences Advisory Committee, 2006-9
Advisory Board, IRB-BSC-CRG Joint Program, U. Barcelona, 2008-
Advisory Committee, NCRR Resource for Integrated Glycotechnology, 2010-2013
Israeli Council on Higher Education, Chemistry Evaluation Committee, 2011

Editorial Advisory Boards

Bioorganic and Medicinal Chemistry Letters, 1990-

Bioorganic and Medicinal Chemistry, 1992-
Journal of Computer Aided Molecular Design, 1992-2010
Supramolecular Chemistry, 1992-2009
Journal of the American Chemical Society, 1987-93
CRC Critical Reviews in Theoretical Chemistry and Biophysics, 1987-93
Journal of Physical Organic Chemistry, 1987-94
Journal of Computational Chemistry, 1989-2003
Theoretica Chimica Acta, 1990-94
Theoretical Chemistry Accounts, 1997-2002
Chemistry and Biology, 1994-2004
Accounts of Chemical Research, 2001-2004; 2009-2014
Journal of Medicinal Chemistry, 2013-

Memberships in Professional Societies

American Chemical Society
Israeli Chemical Society (Honorary Life Member)
American Association for the Advancement of Science
International Society for Quantum Biology and Pharmacology
World Association of Theoretical & Computational Chemists
Connecticut Academy of Arts and Sciences
Connecticut Academy of Science and Engineering
International Academy of Quantum Molecular Science
American Academy of Arts and Sciences
National Academy of Sciences

Publications - W. L. Jorgensen

1. Structural and Energetic Predictions for Simple Hydrocarbons from the NDDO and CNDO Semiempirical Molecular Orbital Methods.
R. B. Davidson, W. L. Jorgensen, and L. C. Allen
J. Am. Chem. Soc., 92, 749-753 (1970).
2. Charge Distribution Characteristics of Attractive Dominant Barriers.
W. L. Jorgensen and L. C. Allen
Chem. Phys. Letts., 7, 483 (1970).
3. Charge Density Analysis of Rotational Barriers.
W. L. Jorgensen and L. C. Allen
J. Am. Chem. Soc., 93, 567 (1971).
4. Chemical Consequences of Orbital Interactions in Hydrocarbons Containing Unsaturationally Bridged Small Rings.
W. L. Jorgensen and W. T. Borden
J. Am. Chem. Soc., 95, 6649 (1973).
5. "The Organic Chemist's Book of Orbitals".
W. L. Jorgensen and L. Salem
Academic Press, New York, 1973.

In German, "Orbitale Organischer Molekule", Verlag Chemie. Weinheim/Bergstr., 1974.
6. Orbital Interactions in Molecules Containing Unsaturationally Bridged Cyclobutane and Bicyclobutane Rings.
W. L. Jorgensen and W. T. Borden
Tetrahedron Letters, 223 (1975).
7. Chemical Consequences of Orbital Interactions. II. Ethylene and Butadiene Bridged Polycyclic Hydrocarbons Contain Three- and Four-Membered Rings.
W. L. Jorgensen
J. Am. Chem. Soc., 97, 3082-3090 (1975).
8. Computer-Assisted Synthetic Analysis. Synthetic Strategies Based on Appendages and the Use of Reconnective Transforms.
E. J. Corey and W. L. Jorgensen
J. Am. Chem. Soc., 98, 189 (1976).

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