

**David H. Waldeck awarded 2024 Edward W. Morley Medal from the Cleveland Section of the American Chemical Society**

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**FOR IMMEDIATE RELEASE**

**CLEVELAND, OHIO** – David Waldeck, Professor of Chemistry and Director of Petersen Institute for Nanoscience and Engineering at the University of Pittsburgh, was awarded the 2024 Edward W. Morley Medal presented by the Cleveland Section of the American Chemical Society. Waldeck was presented with the Morley Medal at the Cleveland Section's May 30, 2024, meeting where he presented the Morley Address entitled "Chiral Induced Spin Selectivity (CISS) and Its Implications in Chemistry"

Waldeck received his B.S in chemistry from the University of Cincinnati and his Ph.D. in chemistry from the University of Chicago. He served as a postdoctoral fellow at the University of California at Berkeley. Professor Waldeck began his independent academic career at the University of Pittsburgh in 1985, rising through the ranks and serving as department chair for over a decade. Waldeck has made foundational contributions across a range of chemistry fields, including chemical physics and chemical education.

He has made substantial contributions to chemical dynamics by simplifying the continuum models of friction and solvation by incorporating realistic features of molecular charge distribution. Waldeck has gone on to make seminal contributions to the understanding of electron transfer reactions.

In 1999, Waldeck co-discovered, with Ron Naaman of the Weizmann Institute, the chiral-induced spin selectivity effect (CISS), which was featured in *Science*. CISS is a leading new theme in physical chemistry and is growing in importance for redox biochemistry, electrochemical synthesis, condensed matter physics and prebiotic chemistry/origins of life.

He has published over 260 papers and holds two patents. Waldeck also has written a principles of physical chemistry textbook and served as co-editor of "Topics in Current Chemistry" Vol. 298. Waldeck has also been highly engaged in professional societies, including the Spectroscopy Society of Pittsburgh, the Society of Analytical Chemists of Pittsburgh, the Society for Applied Spectroscopy and the Pittsburgh Section of the ACS.

Waldeck has been named a fellow of the American Chemical Society, the American Physical Society and the Association for the Advancement of Science. He also has received the International Society of Electrochemistry Bioelectrochemistry Prize and the American Chemical Society-Women Chemists Committee Award for Encouraging Women in Chemistry, The ACS Pittsburgh Award and the Chancellor's Distinguished Research Award from the University of Pittsburgh.

The Cleveland Section of the American Chemical Society sponsors the Morley Award to recognize significant contributions to chemistry through achievements in research, teaching, engineering, research administration and public service, outstanding service to humanity, or to industrial progress in the region of roughly a 250-mile radius of Cleveland, Ohio. For more information on Edward W. Morley see the [entry in the Encyclopedia of Cleveland History](#).

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06/5/2024