

Jacob W. Petrich
Abbreviated Personal and Professional Vita

Department of Chemistry, Iowa State University and Ames Laboratory, Department of Energy
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Citizenship: United States; Birthdate: 15 July 1958

Education

Postdoctoral fellow at the Laboratoire d'Optique Appliquée, Ecole Polytechnique, Palaiseau, France, with Dr. Jean-Louis Martin.

Ph.D. in Physical Chemistry, The University of Chicago, December 1985. Thesis advisor, Professor Graham R. Fleming.

B.S. in Chemistry, *cum laude*, Yale University, May 1980

Languages

English, French: spoken, written, read; Latin, read

Professional Positions

2001-present: Professor of Chemistry, Iowa State University
2008-present: Scientist, Ames Laboratory, Department of Energy
2005-2011: Chair, Department of Chemistry, Iowa State University
2000-2001: Maître de Recherche, Ecole Polytechnique, Palaiseau, France
1995-2001: Associate Professor of Chemistry, Iowa State University
1989-1995: Assistant Professor of Chemistry, Iowa State University
1988-1989: Chargé de Recherche of the Ecole Polytechnique, Palaiseau, France
1986-1987: Boursier of La Fondation pour la Recherche Médicale, France
1986-1987: Poste Orange Visiting Research Fellow of the Institut National de la Santé et de la Recherche Médicale, France
1985-1986: NSF-U.S. Industrialized Countries Postdoctoral Fellow

Awards and Recognition

Regents Award for Faculty Excellence, 2018.
American Chemical Society Midwest Award, 2016.
ISU College of Liberal Arts and Sciences Award for Outstanding Teaching, 2016.
Distinguished Lecturer, ΦΛΥ, Kansas St. University, 2016.
ISU College of Liberal Arts and Sciences Award for Graduate Mentoring, 2014.
Recognition from ΑΛΔ and ΦΗΣ Honor Societies for influencing members of the undergraduate class who are members of these societies, 2013.
Federation of Analytical Chemistry and Spectroscopy Societies Innovation Award, Finalist 2012.
ISU College of Liberal Arts and Sciences Award for Intellectual Property, 2011.
Honorary Member of the ISU Chapter of Golden Key International Honor Society, 2010.
ISU College of Liberal Arts and Sciences Award for Departmental Leadership, 2010 (declined).
ISU College of Liberal Arts and Sciences Award for Departmental Leadership, 2009.
Fellow, American Association for the Advancement of Science, 2008.
CELT Miller Faculty Fellowship, 2006-2007
Secretary's Honor Award for Enhancing Protection and Safety of the Nation's Agriculture and Food Supply, U.S. Department of Agriculture, Washington, DC, June 2004.

ISU College of Liberal Arts and Sciences Mid-Career Award for Excellence in Research/Artistic Creativity, 2004.
Agricultural Research Services Technology Transfer Award, 2003, New Orleans, January 2004.
Award Honoring Iowa State University Inventors, April 29, 2002.
2002 Federal Laboratory Consortium Award for Excellence in Technology Transfer for work in Laser Detection in Food Safety, Little Rock, AR, May 8, 2002.
Recognition of Food Safety Technology by the Iowa Department of Economic Development, Iowa da Vinci Celebration and Conference, February 2001.
R&D 100 Award, 2000, "Method and System for Detecting Fecal and Ingesta Contamination on the Carcasses of Meat Animals".
Finsen Award Lectureship, 2000 (presented by the *Association Internationale de Photobiologie* and the American Society for Photobiology to an Outstanding Photobiology Researcher).
Office of Naval Research Young Investigator, 1991-1994.

Courses Regularly Taught

Chemistry 163, College Chemistry
Chemistry 324, Physical Chemistry (Quantum Mechanics)
Chemistry 325, Physical Chemistry (Thermodynamics and Statistical Mechanics)
Chemistry 326, Kinetics
Chemistry 321L/322L, Physical Chemistry Laboratory

Publications. See Google Scholar Profile.

<https://scholar.google.com/citations?user=2PkAbG4AAAAJ&hl=en>