

## CURRICULUM VITAE

Peter C. Kahn

### EDUCATION:

Harvard College, B.A. in Biochemistry, 1961  
Columbia University, Ph.D. in Biochemistry, 1972

### EXPERIENCE:

- 2006 Visiting Professor, University of Helsinki, Biotechnology Institute, while on sabbatical leave
- 2000- Professor of Biochemistry, Dept. of Biochemistry and Microbiology, Rutgers University, New Brunswick, NJ
- 1992 Visiting Professor, Université René Descartes, Paris, Summer, 1992
- 1989 Visiting Scientist, Centre Nationale de Recherche Scientifique, Paris, Summer, 1989. (Special fellowship, Ministry of Research & Technology)
- 1988 Visiting Scientist, Centre Nationale de Recherche Scientifique, Paris, while on sabbatical leave
- 1987-88 Visiting Research Scientist, Department of Molecular Biophysics and Biochemistry, Yale University, New Haven, CT, while on sabbatical leave
- 1981-2000 Associate Professor of Biochemistry, Dept. of Biochemistry and Microbiology, Rutgers University, New Brunswick, NJ
- 1976-1981 Assistant Professor of Biochemistry, Dept. of Biochemistry and Microbiology, Rutgers University, New Brunswick, NJ
- 1976 Instructor in Biochemistry, Dept. of Biochemistry, Albert Einstein College of Medicine, Bronx, NY
- 1975-1976 Research Associate, Depts. of Biochemistry and Medicine, Albert Einstein College of Medicine, Bronx, NY
- 1972-1975 Research Associate, Dept. of Biological Sciences, Columbia University
- 1967-1972 Part-time Staff, Columbia University Computer Center
- 1961-1963 Chemistry Master, Abeokuta Grammar School, Abeokuta, W. Nigeria

## **PROFESSIONAL ORGANIZATIONS:**

American Chemical Society  
American Association for the Advancement of Science  
Biophysical Society  
Protein Society

## **PROFESSIONAL ACTIVITIES:**

Symposium Organizer, Symposia on computers in chemistry I and II, Eastern Analytical Symposium of the American Chemical Society, New York, 1981

Associate Referee for Experimental Design of Microbiological Assays for Antibiotic Residues, Association of Official Analytical Chemists, 1984

Session Chair, Sixth International Symposium on Dioxins and Related Compounds, Fukuoka, Japan, September, 1986.

Session Chair, Seventh International Symposium on Dioxins and Related Compounds, Las Vegas, Nevada, October, 1987.

Session Chair, Eighth International Symposium on Dioxins and Related Compounds, Umeå, Sweden, 1988.

American Legion Scientific Advisory Committee, 1989 - 1993

Guest editor - *Chemosphere* special issue, 1989

Congressional Testimony, Subcommittee on Human Resources and Intergovernmental Relations, House Government Operations Committee, Washington, D. C., June 26, 1990

Briefing given at the request of Viet Nam Veterans in Congress, an organization of Congressmen and Senators, Washington, D. C., September 19, 1990

Session Chair, Tenth International Symposium on Dioxins and Related Compounds, Bayreuth, Germany, 1990.

Member, New Jersey Cancer Commission Sub-committee on Environmental epidemiology, 1988-1992

Congressional testimony, Committee on Veterans' Affairs, U. S. Senate, Washington, D.C., November 2, 1993

Appointed to the Scientific Advisory Committee of the Birth Defect Registry of the Association for Birth Defect Children, 1993-2005.

Invited speaker, Second Citizens' Conference on Dioxins, St. Louis, MO, July 29-30, 1994. Topic: How do Dioxins Work at the Cellular Level in Living Organisms? (For a lay audience.)

Presentation at the request of the New Jersey Governor's Office to the Dredged Materials Management Team, Governor's Office, Newark, N.J., September 6, 1994. This is the group charged with developing a clean-up plan for Newark Bay.

FASEB Committee on Federal research budget: 1998, 1999, 2001

Member, international committee to review research grant proposals in the biomedical and environmental sciences for the Ministry of Science and Technology, Government of Portugal: 1999, 2000, 2001, 2002. The committee performs the combined functions of an NIH study section and the NIH council.

Poster Review Chairman, Protein Society, 2003, 2004  
Poster Competition Judge, Protein Society, 2005, 2008, 2009, 2010, 2011, 2012, 2013, 2015, 2017

Member, Education Committee of the Protein Society, 2010-present

Keynote speaker, Northern Nut Growers Association annual meeting, East Lansing Michigan, August 12, 2013.

## **FELLOWSHIPS AND AWARDS:**

N.I.H. Postdoctoral Fellowship, 1974-1975

Summer Research Fellowship, Rutgers University, 1977

Junior Faculty Fellowship, Rutgers University, 1980

Summer Research Fellowship, French Ministry of Research and Technology, 1989

Academic and Professional Excellence award, Cook College, 1992

Senior Farewell (Baccalauriat) speaker, Cook College, 1993

Cook College (Rutgers) Research Excellence Award, 1996

Cook College (Rutgers) Teacher of the Year Award, 1996

Cook College (Rutgers) Award for Student Advising, 1996

President's Award for Public Service, Rutgers University, 1998

Douglass Medal, Associate Alumnae of Douglass College, 2002

Warren Susman Award for Excellence in Teaching, Rutgers University, 2003

Academic and Professional Excellence Award, Cook College, Rutgers University, 2005

Research Fellowship, Finnish Academy of Sciences, 2006

Guest of Honor, First Conference on the Bosnian Academic Diaspora, Sarajevo, September, 2006

## **ACADEMIC COMMITTEES:**

Academic Standards Committee, Graduate Program in Biochemistry, Rutgers University, 1980-1987. Chairman, 1986-1987.

Academic Standards Committee, Graduate Program in Toxicology, Rutgers University, 1985-1987

Cook College Computer Committee, 1981-1987  
Cook College Academic Forum By-laws Committee, 1989-90  
Cook College Academic Standards Committee, elected to a six year term,  
1992-1998. Chairman: 1996-1998.  
Douglass College Scholarship Committee, 1994-1997  
New Brunswick "HEFT" Committee to design "smart" lecture halls, 1996-1997  
Four Year Honors Program Committee, Cook College, 1996-1998  
Mabel Smith Douglass Honors Program Committee, Douglass College, 1998-2005  
Cook College Scholarship Committee, 2000-2005, 2007-2008, 2016-2020  
Cook College Appointments and Promotions Committee, 2001-2004, Chairman for  
academic year 2003-2004

### **COMMUNITY SERVICE:**

Coordinator, Bosnian Student Project, 1995-2009, bringing refugee students from the wars in Bosnia and the rest of the former Yugoslavia to study in the U.S.

Member, New Jersey State Agent Orange Commission, to investigate exposure of Viet Nam veterans to the defoliant on Viet Nam veterans. 1981-1991.

Service Award, N.J. Associate of Veterans Program Administrators. 1984.

Member, Board of Trustees, Unitarian Society of New Brunswick, 1985-1988.

Member, Board of Directors, Morningside Gardens Nursery-Kindergarten, New York, NY, 1972-77. Treasurer, 1973-74. President, 1974-76.

### **PUBLICATIONS - REFEREED JOURNALS**

\*Kahn, P.C. and S. Beychok. 1968. Far UV optical activity of crystals in mulls I. Cystine. *J. Amer. Chem. Soc.* **90**: 4168-4170.

\*Waks, M.W., P.C. Kahn and S. Beychok. 1971. Studies on the structure of haptoglobin 1-1 and hemoglobin in the hemoglobin-haptoglobin complex. *Biochim. Biophys. Res. Comm.* **45**: 1232-1239.

\*Honig, B., P.C. Kahn and T.G. Ebrey. 1973. Intrinsic optical activity of retinal isomers. Implications for the circular dichroism of rhodopsin. *Biochemistry* **12**: 1637-1643.

\*Levinthal, C., S. Wodak, P.C. Kahn and A.K. Dadivanian. 1975. Hemoglobin interaction in sickle cell fibers: I Theoretical approaches to the molecular contacts. *Proc. Nat. Acad. Sci. USA* **72**: 1330-1334.

\*Valentine, J.S., R.P. Sheridan, L.C. Allen and P.C. Kahn. 1979. Coupling between oxidation state and hydrogen bond conformation in hemeproteins. *Proc. Nat. Acad. Sci. USA* **76**: 1009-1013.

- \*Zilinskas, B.A., L.S. Greenwald, C.L. Bailey and P.C. Kahn. 1980. Spectral analysis of allophycocyanin I, II, III and B from *Nostoc sp.* phycobilisomes. *Biochim. Biophys. Acta* **592**: 267-276.
- \*\*Kahn, P.C. 1981. A general purpose minicomputer in the biochemistry laboratory. ACS Symposium on Computers in Chemistry, *Personal Computers in the Laboratory*, P. Lykos (ed.), Wiley, p. 104.
- \*\*Bailey, S.A. and P.C. Kahn. 1981. Minicomputer data collection: A flexible approach for multiple instruments. ACS Symposium on Computers in Chemistry, *Personal Computers in the Laboratory*, P. Lykos (ed.), Wiley, p. 118.
- \*\*Kahn, P.C. and S.A. Bailey. 1981. Interactive graphics assisted analysis of spectroscopic data. ACS Symposium on Computers in Chemistry, *Personal Computers in the Laboratory*, P. Lykos (ed.), Wiley, p. 130.
- \*Kahn, P.C. and R.W. Briehl. 1982. The absence of volume change in the gelation of sickle cell hemoglobin. *J. Biol. Chem.* **257**: 12209-12213.
- \*Kahn, P.C., M. Gochfeld, M. Nygren, M. Hansson, C. Rappe, H. Velez, T. Ghent-Guenther, and W.P. Wilson. 1988. Dioxins and dibenzofurans in blood and adipose of Agent Orange exposed Viet Nam veterans and matched controls. *J. Amer. Med. Assn.* **259**: 1661-1667.
- \*\*Nygren, M., M. Hansson, M. Sjostrom, C. Rappe, P.C. Kahn, M. Gochfeld, H. Velez, T. Ghent-Guenther, and W.P. Wilson. 1988. Development and validation of a method for determination of PCDDs and PCDFs in human blood plasma: a multivariate comparison of blood and adipose tissue levels between Viet Nam veterans and matched controls. *Chemosphere* **17**: 1663-1692.
- \*Gochfeld, M., M. Gallo, and P. Kahn. 1989. Dioxin and health. *N.J. Medicine* **85**: 907-914.
- \*\*Kahn, P.C. 1989. Defining the axis of a helix. *Computers Chem.* **13**: 185-189.
- \*\*Kahn, P.C. 1989. Simple methods for fitting the least squares line in three dimensions. *Computers Chem.* **13**: 191-195.
- \*\*Gochfeld, M., M. Nygren, M. Hansson, C. Rappe, H. Velez, T. Ghent-Guenther, W.P. Wilson, and P.C. Kahn. 1989. Correlation of adipose and blood levels of several dioxin and dibenzofuran congeners in Agent Orange exposed Viet Nam veterans. *Chemosphere* **18**: 517-524.
- \*\*Williams, L.A., K. Kirshenbaum, K. Sorace, V. Daggett, and P.C. Kahn. 1989. Two dimensional polyacrylamide gel electrophoresis of liver microsomal proteins from rats treated with 2,3,7,8-TCDD, 3-methylcolanthrene, and phenobarbital. *Chemosphere* **18**: 947-954.

- \*\*Hansson, M., C. Rappe, M. Gochfeld, H. Velez, T. Ghent-Guenther, W.P. Wilson, and P.C. Kahn. 1989. Effects of fasting on blood levels of 2,3,7,8-TCDD and related compounds. *Chemosphere* 18:525-530.
- \*Kahn, P.C., M. Bassompierre, and M. Waks,. 1990. "Hydration Memory" of lysozyme: a misinterpretation. *Biochem. Biophys. Res. Comm.* **166**: 1039-1046
- \*Rappe, C., P.-A. Bergqvist, L.-O. Kjeller, T. Belton, B. Ruppel, K. Lockwood, and P. C. Kahn. 1991. Levels and patterns of PCDD and PCDF contamination in fish, crabs, and lobsters from Newark Bay and the New York Bight. *Chemosphere* **22**: 239-266.
- \*Wu, H., Hartman, T.G., Govindarajan, S., Kahn, P.C., Ho, C-T., and Rosen, J.D. 1991. Glycation of lysozyme in a restricted water environment. *Proc. Nat. Sci. Council Republic of China* **15**: 140-146
- \*Nicot, C., M. Vacher, L. Denoroy, P. C. Kahn, and M. Waks. 1993. Limited proteolysis of myelin basic protein in a system mimetic of the myelin interlamellar aqueous space. *J. Neurochem.* **60**: 1283-1291.
- \*Ybe, J., and P. C. Kahn. 1994. Slow folding kinetics of ribonuclease-A by volume change and circular dichroism: Evidence for two independent reactions. *Protein Science* **3**: 638-649.
- \*Chatterjee, S., D. Suci, R. E. Dalbey, P. C. Kahn, and M. Inouye. 1995. Determination of  $K_m$  and  $k_{cat}$  for signal peptidase I using a full length secretory precursor, pro-OmpA-nuclease. *J. Mol. Biol.* 245: 311-314.
- \*Foygel, K., S. Spector, S. Chatterjee, and P. C. Kahn. 1995. The volume changes of the molten globule transitions of horse heart ferricytochrome c: A thermodynamic cycle. *Protein Science* 4: 1426-1429.
- \*Lipke, P.N., Chen, M.-H., De Nobel, H., Kurjan, J., and Kahn, P.C. 1995. Homology modeling of an immunoglobulin-like variable domain in the *Saccharomyces cerevisiae* adhesion protein  $\alpha$ -agglutinin. *Protein Science* 4: 2168-2178.
- \*Chen, M.-H., Shen, Z.-M. Bobin, S., Kahn, P. C., and Lipke, P. N. 1995. Structure of *Saccharomyces cerevisiae*  $\alpha$ -agglutinin: Evidence for a yeast cell wall protein with multiple immunoglobulin-like domains with atypical disulfides. *J. Biol. Chem* 270: 26168-26177.
- \*Helin, S., Kahn, P.C., Lakshmi Guha, L., Mallows, D.J., Steitz, T.A., and Goldman, A. 1995. The refined x-ray structure of muconate lactonizing enzyme from *Pseudomonas putida* at 1.85 Å resolution. *J. Mol. Biol.*, 254: 918-941.
- \*Kornblatt J.A., Kornblatt M.J., Rajotte I., Hoa, G.H.B., and Kahn P.C. 1998. Thermodynamic volume cycles for electron transfer in the cytochrome c oxidase and for the binding of cytochrome c to cytochrome c oxidase. *Biophys. J.* 75: 435-444

\*Grigorescu, A., Chen, M.-H., Zhao, H., Kahn, P.C., and Lipke, P.N. 2000. A CD2-based model of yeast  $\alpha$ -agglutinin elucidates solution properties and binding characteristics. *IUBMB Life* 50: 105-113.

\*Kajander, T., Kahn, P.C., Passila, S.H., Cohen, D.C., Lehtiö, L., Adolfsen, W., Warwicker, J., Schell, U., and Goldman, A. 2000. Buried charge surface in proteins. *Structure* 8: 1203-1214. (A patent has been granted based on material from this paper.)

\*Zhao, H., Shen, Z.M., Kahn P.C. and Lipke, P.N. 2001. Interaction of alpha-agglutinin and a-agglutinin, *Saccharomyces cerevisiae* sexual cell adhesion molecules. *J. Bacteriol.* 9:2874-2880

\*Zhao, H., Chen, M.H., Shen, Z.M., Kahn, P.C. and Lipke, P.N. 2001. Environmentally induced reversible conformational switching in the yeast cell adhesion protein alpha-agglutinin. *Protein Sci.* 6:1113-1123

\*Liou, H.L., Kahn, P.C. and Storch, J. 2002. Role of the Helical Domain in Fatty Acid Transfer from Adipocyte and Heart Fatty Acid-binding Proteins to Membranes. Analysis of Chimeric Proteins. *J. Biol. Chem.* 3:1806-1815

\*\*Tsapis, N., Ober, R. Chaffotte, A., Warchawski, D.E., Everett, J., Kauffman, J., Kahn, P., Waks, M., and Urbach, W. 2002. Modification of the elastic constants of a peptide-decorated lamellar phase. *Langmuir* 18: 4384-4392

\*\*Kahn, P. C., Passila, S., and Goldman, A. Stabilizing and destabilizing proteins  
Patent 6,385,546 B1, May 7, 2002

\*Falomir-Lockhart, Lisandro J., Lisandro Laborde, Peter C. Kahn, Judith Storch, and Betina Córscico. 2006. Protein-Membrane Interaction and Fatty Acid Transfer from Intestinal Fatty Acid Binding Protein: Evidence for a multistep process. *J. Biol. Chem.* 281:13979-89

\*Rauceo, Jason M., Richard DeArmond, Henry Otoo, Peter C. Kahn, Stephen A. Klotz, Nand K. Gaur, and Peter N. Lipke. 2006. Threonine-rich repeats increase fibronectin binding in the *C. albicans* adhesin Als5p. *Eukaryotic Cell* 5: 1664-1673

\*El Kadi, N., Taulier, N., Le Huerou, J.Y., Gindre, M., Urbach, W., Nwigwe, I., Kahn, P.C., and Waks, M. 2006. Unfolding and refolding of bovine serum albumin at acid pH: ultrasound and structural studies. *Biophys. J.* 91: 3397-3404

\*Rong Di, Eric Kyu, Varsha Shete, Hemalatha Sidasan, Peter C. Kahn and Nilgun E. Tumer. 2011. Identification of amino acids critical for the cytotoxicity of Shiga toxin 1 and 2 in *Saccharomyces Cerevisiae*. *Toxicon* 57: 525-539

\*\*Peter C. Kahn, Thomas Molnar, Gengyun G. Zhang, and C. Reed. Funk. 2011. Investing in Perennial Crops to Sustainably Feed the World. *Issues in Science and Technology*, Summer, 2011: 75-81.

\*\*Kahn, P.C. 2013. On Writing and Thinking in Science. *On Second Thought*. North Dakota Humanities Council, Spring, 2013, 34-37.

Curriculum Vitae, P. C. Kahn - continued.

\*Xiao-Ping Li, Peter C. Kahn, Jennifer Nielsen Kahn, Przemyslaw Grela and Nilgun E. Tumer. 2013. Arginine residues on the opposite side of the active site stimulate the catalysis of ribosome depurination by ricin A chain by interacting with the P-protein stalk. *J. Biol. Chem.* 288:30270-30284.

\*Bromberg Y, Kahn PC, Rost B. 2013. Neutral and weakly nonneutral sequence variants may define individuality. *Proc. Nat. Acad. Sci. USA* 110:14255-14260.

Molnar, TJ, Kahn, PC, Ford, TM, Funk, CJ and Funk, CR. 2013. Tree Crops, a Permanent Agriculture: Concepts from the Past for a Sustainable Future. *Resources*, Special issue: *Equitable and Sustainable Use of Genetic Resources 2*: 457-488.

McCauliff, LA, Xu, Z, Li, R, Kodukula, S, Ko, DC, Scott, MP, Kahn, PC and Storch, J. 2015. Multiple Surface Regions on the Niemann-Pick C2 Protein Facilitate Intracellular Cholesterol Transport *J. Biol. Chem.* *jbc.M115.667469*. First Published on August 20, 2015, doi:10.1074/jbc.M115.667469

Basu, D, Li, X-P, Kahn, J, May, K, Kahn, P and Tumer. N. 2015. The A1 subunit of Shiga toxin 2 has higher affinity for ribosomes and higher catalytic activity than the A1 subunit of Shiga toxin 1. Accepted Manuscript Posted Online 19 October 2015. *Infect. Immun.* doi:10.1128/IAI.00994-15.

## **PRESENTATIONS AT NATIONAL AND INTERNATIONAL MEETINGS, SEMINARS**

Levinthal, C., P.C. Kahn, S. Wodak and A.K. Dadivanian. 1974. Molecular contacts in Hb-S fiber formation. Proceedings of the First National Symposium on Sickle Cell Disease. Washington, DC.

Kahn, P.C. 1979. The intrinsic optical activity of the disulfide bond. XIth International Congress of Biochemistry, Toronto, Canada.

Callegari, P., J.M. Schwanwede, P.R. Fitzgerald and P.C. Kahn. 1979. The volume change of trypsin-trypsin inhibitor association. XIth International Congress of Biochemistry, Toronto, Canada.

Kahn, P.C. 1979. Circular dichroism and absorption spectroscopy: computerized data reduction and curve resolution with applications to biochemical systems. Invited symposium presentation, Eastern Analytical Symposium, ACS, New York, NY.

Kahn, P.C., J.M. Schwanwede, A.M. Ippolito and B. Mihalyfi. 1980. The volume change of globular protein association. Invited contribution, Biophysical Society Discussion on Proteins and Nucleoproteins, Washington, DC.

Kahn, P.C. 1980. Computerizing microbiological plate assay data - application to small as well as large laboratories. Invited symposium presentation, American Association of Official Analytical Chemists, St. Louis, MO.

Curriculum Vitae, P. C. Kahn - continued.



Kahn, P.C. and S.E. Katz. 1980. Statistical analysis of antibiotic bioassays. Association of Official Analytical Chemists, Spring Workshop, Ottawa, Canada.

Kahn, P.C. 1981. Semi-automatic curve fitting to complex spectroscopic data: The requirement for human intervention. Eastern Analytical Symposium on Computers in Chemistry II, American Chemical Society, New York, NY.

Kahn, P.C. and S.E. Katz. 1981. Design consideration in antibiotic bioassays. Association of Official Analytical Chemists, Spring Workshop, Arlington, VA.

Kahn, P.C. and S.E. Katz. 1983. Automating antibiotic bioassays in small laboratories. Association of Official Analytical Chemists, Spring Workshop, Philadelphia, PA.

Daggett, V., K. Pauling, M. Hopkins, D. Putterman and P.C. Kahn. 1986. The volume change of coenzyme binding to dehydrogenases. Biophysical Society 13th Annual Meeting, San Francisco, CA.

Kahn, P.C., M. Gochfeld, M. Nygren, M. Hansson, C. Rappe, H. Velez, T. Ghent-Guenther, and W.P. Wilson. 1987. Dioxins and dibenzofurans in blood and adipose of agent orange exposed Viet Nam veterans and matched controls. Sixth International Symposium on Dioxins and Related Compounds, Fukuoka, Japan.

Nygren, M., M. Hansson, C. Rappe, M. Gochfeld, H. Velez, T. Ghent-Guenther, W.P. Wilson, and P.C. Kahn. 1987. Correlation of adipose and blood levels of several dioxin and dibenzofuran congeners in agent orange exposed Viet Nam veterans and matched controls. Seventh International Symposium on Dioxins and Related Compounds, Las Vegas, NV.

R.H. Kerman, M. Gochfeld, M. Nygren, M. Hansson, C. Rappe, H. Velez, T. Ghent-Guenther, W.P. Wilson, and P.C. Kahn. 1987. Immunologic markers in veterans with and without herbicide exposure. Seventh International Symposium on Dioxins and Related Compounds, Las Vegas, NV.

M. Hansson, C. Rappe, M. Gochfeld, H. Velez, T. Ghent-Guenther, W.P. Wilson, and P.C. Kahn. 1987. Effects of fasting on blood levels of 2,3,7,8-TCDD and related compounds. Seventh International Symposium on Dioxins and Related Compounds, Las Vegas, NV.

Kahn, P.C. 1988. Defining the axis of a helix. A.A.A.S. Symposium on Protein Folding, Boston, MA.

Kahn, P.C. 1988. Fitting a least squares line in three dimensions. A.A.A.S. Symposium on Protein Folding, Boston, MA.

Ybe, J.A., S. Chatterjee, and P.C. Kahn. 1988. An electrostatically driven volume expansion of ribonuclease-a and lysozyme under non-denaturing conditions. A.A.A.S. Symposium on Protein Folding, Boston, MA.

Kahn, P.C. 1988. The laboratory of the future-implications for information specialists. Invited lecture, Pharmaceutical Computing Forum, Washington, DC.

Kahn, P.C. 1988. Agent Orange; Viet Nam experience. Invited lecture, American College of Epidemiology, University of Michigan, Ann Arbor, MI.

Rappe, C., P-A Bergqvist, L-O Kjeller, S. Swanson, T. Belton, B. Ruppel, K. Lockwood, and P.C. Kahn. 1989. Levels and patterns of PCDD and PCDF contamination in fish, crabs, and lobsters from Newark Bay and The New York Bight. Ninth International Symposium on Dioxins and Related Compounds, Toronto, Canada.

Tian, Y., S. Taylor, L. Miller, C. Rappe, P. C. Kahn, and J. Macmillan. 1989. Monoclonal antibodies for detection of halogenated dibenzo-p-dioxins. 1-methylamino modified dioxins for preparation of immunogens. Eighty-ninth meeting, American Society for Microbiology, New Orleans.

Sharafi, K. and P.C. Kahn. 1990. The volume change of transferring amino acids between water and ethanol. A.A.A.S. Annual Meeting, New Orleans, LA.

Kahn, P. C., W. Lewis, T. Ghent-Guenther, M. Hansson, C. Rappe, H. Velez, W. P. Wilson, and M. Gochfeld. 1990. Dibenzodioxin and dibenzofuran levels in three groups of Viet Nam veterans who did not take part in Agent Orange Spraying. International Symposium on Organohalogen Compounds (Tenth International Symposium on dioxins and related compounds), Bayreuth, Germany, September 10-14.

Kahn, P. C., and F. M. Richards. 1990. Analysis of helical and strand geometry in proteins. NSF/University of North Carolina Department of Computer Science Workshop on Geometry for Molecular Visualization and Characterization. Invited lecture, March 2, 1990

Kahn, P. C., T. Ghent-Guenther, W. W. Lewis, H. Velez, M. Gochfeld, M. Hanson, and C. Rappe. 1991. Serum levels of dioxin and furan congeners in Vietnam Veterans who were not spray handlers: abnormal levels of congeners other than 2,3,7,8-TCDD. Eleventh International Symposium on Chlorinated Dioxins and Related Compounds, Research Triangle Park, North Carolina, September 23-27.

Kahn, P. C., and C. Rappe. 1991. Dioxins and furans in the food supply: an attempt to construct a mass balance for the human body burden. Invited presentation, Eleventh International Symposium on Chlorinated Dioxins and Related Compounds, Research Triangle Park, North Carolina, September 23-27.

Tian, Y., S. Ke, L. Trogen, C. Rappe, J. D. Macmillan, and P. C. Kahn. 1991. A simple affinity purification of dioxin binding proteins from liver cytosol. Eleventh International Symposium on Chlorinated Dioxins and Related Compounds, Research Triangle Park, North Carolina, September 23-27.

Kahn, P. C. (1992). Protein folding. Invited seminar, Department of Physics, École Normale Supérieure, Paris, France. Summer, 1992.

Curriculum Vitae, P. C. Kahn - continued.

Kahn, P. C. (1992). A dioxin affinity column catches an unexpected fish. Invited seminar, Department of Toxicology, Université René Descartes, Paris, France. Summer, 1992.

Etchells-Basham, B., and P. C. Kahn (1993). The specific volume of water in reverse micellar solutions of isooctane, AOT, and water. Biophysical Society National Meeting, Washington, D.C., February, 1993.

Kahn, P. C., W. Urbach, and M. Waks (1993). The specific volume of water in reverse micellar solutions containing protein. Biophysical Society National Meeting, Washington, D.C., February, 1993.

Kahn, P. C. (1993). An analysis of protein secondary structural geometry with implications for protein folding. Invited seminar, Department of Chemistry, Princeton University, April 6, 1993.

Kahn, P. C. (1993). Invited participant, workshop on hydration, 67<sup>th</sup> ACS Colloid and Surface Science Symposium, Toronto, June 21-23.

Mallows, D. J., F. M. Richards, and P. C. Kahn (1993). Analysis of protein secondary structural geometry with implications for protein folding. Protein Society annual meeting, San Diego, California, July 24-28.

Kahn, P. C., B. E. Basham, W. Urbach, and M. Waks (1993). The specific volume of water in reverse micelles with and without protein present. Protein Society annual meeting, San Diego, California, July 24-28.

Smoger, G.H., Kahn, P.C., Rodgers, G.C., Suffin, S., McConnachie, P. 1993. *In Utero* and Postnatal Exposure to 2,3,7,8-TCDD in Times Beach, Missouri: 1. Immunological Effects: Lymphocyte Phenotype Frequencies. Thirteenth International Symposium on Chlorinated Dioxins and Related Compounds, Vienna, Austria, September 20-24.

Cantor, D.S., Holder, G., Cantor, W., Kahn, P.C., Rodgers, G.C., Smoger, G.H., Swain, W., Berger, H., Suffin, S. 1993. *In-Utero* and Postnatal Exposure to 2,3,7,8 TCDD in Times Beach, Missouri: 2. Impact on Neurophysiological Functioning. Thirteenth International Symposium on Chlorinated Dioxins and Related Compounds, Vienna, Austria, September 20-24.

Daggett, V. D., K. Kirshenbaum, J. K. Pedersen, and P. C. Kahn. 1994. The volume change of cofactor binding to dehydrogenases. Biophysical Society annual meeting, New Orleans, LA, March 6-10.

Lipke, P. N., D. J. Mallows, M.-H. Chen, and P. C. Kahn. 1994. Modeling of immunoglobulin-like domains of a yeast cell adhesion protein. Biophysical Society annual meeting, New Orleans, LA, March 6-10.

Kahn, P. C. 1994. How big is a water molecule and why does it matter? Invited seminar, Chemistry Department, City College, C.U.N.Y.

Levine, S.J., and Kahn, P.C. 1994. Hydration and internal packing changes in the folding of the cytochrome c molten globule as measured by volume change. Protein Society annual meeting, San Diego, California, July 9-13.

Kahn, P. C., 1994. How big is a water molecule and why does it matter? Invited seminar, University of South Dakota, Department of Biology, November 18, 1994.

Kahn, P. C., 1995. How big is a water molecule and why does it matter? Invited seminar, Department of Chemistry, Concordia University, Montreal, Canada, February 3, 1995.

Kahn, P. C., 1995. How big is a water molecule and why does it matter? Invited seminar, Department of Applied Mathematics, Australian National University, Canberra, May 25, 1995.

Kahn, P. C., 1995. How big is a water molecule and why does it matter? Invited seminar, Department of Biochemistry, University of Queensland, Brisbane, Australia, June 15, 1995.

Kahn, P. C., 1995. How big is a water molecule and why does it matter to biologists? Invited seminar, Department of Biology, Brock University, St. Catherine's, Ontario, Canada, October 26, 1995.

Foygel, K., S. Spector, and P. C. Kahn. 1996. The volume changes of the molten globule transitions of horse heart ferricytochrome c: A thermodynamic cycle. Biophysical Society national meeting, Baltimore, MD, February 21, 1996.

Kahn, P.C. 1996. The role of water in folding and other non-covalent interactions of proteins. Invited lecture, Gordon Conference on Water and Aqueous Solutions.

Kahn, P.C. 1998. How do proteins fold? Invited lecture, Department of Biology, Hunter College, C.U.N.Y. March 18, 1998.

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Kahn, P.C. 1998. Agent Orange in Vietnam. Invited lecture. Bach Mai International Hospital, Hanoi, Vietnam, August 14, 1998.

Cohen, D., Schell, U., Kajander, T., Schlömann, Goldman, A., and Kahn, P.C. 1998. On the role of buried charge in protein stability: Muconate lactonizing enzyme. Protein Society national meeting, San Diego, CA, July 28, 1998.

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Uzelac, A., McCarthy, J. K., Kahn, P. C. and Eveleigh, D. E. 2003. Virtual site directed mutagenesis of an evolved glucan glucohydrolase from *Thermotoga neapolitana* to assess structure-function relationships of the enhanced enzyme. American Society of Microbiology national meeting (Industrial Microbiology Division), May, 2003.

Uzelac, A., McCarthy, J. K., Kahn, P. C. and Eveleigh, D. E. 2003. Structure of an Evolved Glucan Glucohydrolase from *Thermotoga neapolitana* Modified to Enhance its Activity Toward Cellobiose. Gordon Conference on Cellulases and Cellulosomes, July, 2003.

Nwigwe, I.J. and P.C. Kahn. 2005. Solution Crowding Effects on Horse Liver Alcohol Dehydrogenase Activity. Nineteenth Symposium of the Protein Society, Boston, MA, July 30-August 3.

Kahn, P.C. 2005. On the role of buried charge surface in protein conformational stability. 2005 Colorado Protein Stability Conference, Breckenridge, CO, July 14-16.

Kahn, P.C. 2006. On the role of buried charge surface in protein conformational stability. Invited talk, Biotechnology Institute, University of Helsinki, May, 2006.

Kahn, P.C. 2006. On the Bosnian Student Project, Invited talk, First Conference on the Bosnian Academic Diaspora, Sarajevo, September, 2006

Kahn, P.C. 2007. On the role of buried charge surface in protein conformational stability. Invited talk, Seton Hall University Department of Chemistry, South Orange, NJ, March, 2007

Kahn, P.C. 2009. Invited participant and speaker, Oxford Forum on Public Policy, Oxford, England, March 22-29. Topic: Perennial Plants for Sustainable Production of Food and Bioenergy and for Restoration of Damaged Land: A Proposal

Kahn, P.C. 2009. On the role of buried charge surface in protein conformational stability. Invited talk, Brooklyn College, Department of Biology, October 16.

### **CHAPTERS IN BOOKS:**

Kahn, P.C. 1979. The interpretation of near ultraviolet circular dichroism. *Meth. Enzymol.* **61**:339-378.

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