John D. Simon

Office of the President
Lehigh University

28 University Drive
Bethlehem, PA 18015

Education

B. A.	Williams College	Williamstown, Massachusetts	1979
M. A.	Harvard University	Cambridge, Massachusetts	1981
Ph. D.	Harvard University	Cambridge, Massachusetts	1983
Institute for Management in Leadership and Education			
	Harvard University	Cambridge, Massachusetts	2007

Professional Positions

2015-	President	Lehigh University
2011-2015	Executive Vice President and Provost	University of Virginia
2011-2015	Robert C. Taylor Professor	University of Virginia
2005-2011	Vice Provost for Academic Affairs	Duke University
1999-2004	Chair, Department of Chemistry	Duke University
2001-2011	Research Professor in Ophthalmology	Duke University Medical Center
1998-2011	George B. Geller Professor	Duke University
1999-2011	Professor of Biochemistry	Duke University Medical Center
1990-1997	Professor	UCSD
1989-1990	Visiting Associate Professor	University of Colorado, Boulder
1988-1990	Associate Professor	UCSD
1985-1988	Assistant Professor	UCSD
1983-1985	Postdoctoral Fellow	UCLA (M. A. El-Sayed)

Honors and Awards

IMP Faculty Award, University of Virginia, 2013
Photon Award, American Society for Photobiology, 2008
William J. Maschke, Jr. Memorial Award, Duke University, 2008
North Carolina ACS Section Distinguished Speaker Award, 2006
Elected Fellow of the American Physical Society, 2003
International Scientist of the Year, International Biographical Centre of Cambridge, England, 2002
Elected Fellow of the American Association for the Advancement of Science, 2000
Hans A. Schaeffer Award, Society of Cosmetic Chemists, 1999
Professor of the Year, Sigma Chi Fraternity, UCSD, 1994
Fresenius Award in Pure and Applied Chemistry, 1992
Camille and Henry Dreyfus Teacher Scholar, 1990-1995
Alfred P. Sloan Research Fellow, 1988-1990
Presidential Young Investigator Award NSF, 1985-1990
Celanese Graduate Fellow, l981-l982
Charles R. Sanger Fellow, l980-l981

Elected to Sigma Xi, l979
American Institute of Chemists Award, 1979

Editorial Positions

Advisory Board, Journal of Physical Chemistry, 1990-1995, 1999-2004
Advisory Board, Review of Scientific Instruments 1991-1993
Advisory Board, Biopolymers 1991 – 2001, 2007-
Advisory Board, Institute for Nonlinear Studies (Springer-Verlag Series) 1991 – 1998
Associate Editor, Photochemistry and Photobiology, 2002-2004
Editor-in-Chief, Photochemistry and Photobiology, 2004-2008
Advisory Board, Pigment Cell and Melanoma Research. 2008-2013
Advisory Board, Photochemistry and Photobiology, 2009-

Professional Organizational Duties

Chair, West Coast Spectroscopy Association Meeting, 1991
NIH Site Visit Panel of Minority Research Programs at Selma University, 1991
NIH Site Visit: Regional Laser Center at the University of Pennsylvania, 1991
Member of West Coast Spectroscopy Association Advisory Board, 1989 - 1993
NSF-PYI Selection Committee, 1991
Member, Collaborative Oversight Committee for Battelle Laboratories, 1992 -1995
Ad Hoc Member, NIH GM-BBCA Study Section, October, 1992
Scientific Committee for Ultrafast Reaction Dynamics and Solvent Effects May, 1993
Co-Organizer (with M. Johnson), Symposium at National ACS Meeting, San Diego, 1994
Scientific Advisory Committee for the InterAmerican Photochemical Society, 1993-1996
Scientific Program Committee for the International Ultrafast Phenomena Meeting, 1994
NIH GM-BBCA Study Section, 1994 -1999
Chair, DOE Review of Chemical Structure/Dynamics Division, EMSL, Battelle Labs, 1994
Guest Editor, *Journal of Physical Chemistry*, Special Issue in honor of M. A. El-Sayed 1995
Member, Organizing Committee for Western Regional ACS Meeting, 1995
Member, Beckman Institute Review Committee, California Institute of Technology 1996
Chemistry and Related Sciences Special Emphasis Panel, NIH, 1996
Executive Committee, Physical Chemistry Division of the American Chemical Society, 1997-1999
Elected to Executive Committee of the Chemical Physics Division of the American Physics Society, 1998-2000
Co-Chair, Local Organizing Committee (with C. Kubiak), International Conference on Photochemistry, 1999
Gerhard Closs Lecturer, University of Chicago, 1999
Chair, International Conference on Photochemistry, 2001
Member, International Scientific Committee for the International Conference on Photochemistry 2001-2004
Nominating Committee, ACS Division of Physical Chemistry, 1999
Guest Editor, *Journal of Physical Chemistry*, Special Issue in honor of Kent R. Wilson, 1999
APS Student Travel Fellowships for Presentations at National APS Meeting, 2000
Member, Council of Chemical Research, 1999-2003

Advisory Board for the Petroleum Research Foundation, 2000-2003
NIH Shared Instrument Study Section, October, 2000
Co-Chair (with T. Sarna), Symposium at XVIII International Pigment Cell Conference, The Netherlands, 2002
Editor, Photochemistry section of the Digital Photobiology Compendium, 2002-2003
Chair, Frontiers in Chemistry, A Symposium to Honor Mostafa El-Sayed, Atlanta, GA, 2003
Chairman, Physical Chemistry Program, SERMACS, 2003
International Scientific Committee, 10th Congress of the European Society for Photobiology, Vienna, Austria
Co-Chair (with T. Sarna), Symposium at the ESP Conference, Vienna, 2003
Association of American Colleges and Universities, Associate, 2003
Executive Committee, American Society for Photobiology, 2003-2009
Co-Chair, Symposium at the American Society for Photobiology Meeting, Seattle, WA, 2004
External Review Team, Chemistry Department, Williams College, 2006
International Scientific Committee, European Society for Pigment Cell Research, Bari, Italy, 2007
Selection committee for the ACS Irving Langmuir Award in Chemical Physics 2006-2008
External Review: Institute Reporting Structure at NCCU for Chancellor Nelms, 2008
Duke University Liaison to SACS, 2009-2011
21st International Program Committee, International Pigment Cell Conference, Bordeaux, 2011
U21 Educational Innovation Steering Group, 2013-
22nd International Program Committee, International Pigment Cell Conference, Singapore, 2014
Planning Committee, AAU Provost Meeting, Laguna Beach 2014

Consulting

DeVries Public Relations, 1998 (Procter and Gamble)
Lippe-Taylor Public Relations, 1999 (SunSmart)
Unilever, 2000 – 2003
Procter and Gamble, 2004 – 2005
Pfizer, 2008

Patents

Stimson, M.J. and Simon, J.D., Apparatus and method for the rapid spectral resolution of confocal images, U.S. Patent. 6,134,002, issued Oct. 17, 2000.

Publications of John D. Simon

Graduate Publications

1. John D. Simon, Kevin S. Peters, Solvent Effects on the Picosecond Dynamics of the Photoreduction of Benzophenone by Aromatic Amines, *Journal of the American Chemical Society*, **103**, 6403 (1981).

2. John D. Simon, Kevin S. Peters, Direct Observation of the Special Salt Effect: Picosecond Dynamics of Ion Pair Exchange, *Journal of the American Chemical Society*, **104**, 6142 (1982).

3. John D. Simon, Kevin S. Peters, Picosecond Dynamics of Ion Pairs: The Effect of Hydrogen Bonding on Ion-Pair Intermediates, *Journal of the American Chemical Society*, **104**, 6542 (1982).

4. Lewis J. Rothberg, John D. Simon, Mark Bernstein, Kevin S. Peters, Pulsed Laser Photoacoustic Calorimetry of Metastable Species, *Journal of the American Chemical Society*, **105**, 3464 (1983).

5. John D. Simon, Kevin S. Peters, Picosecond Photochemistry of $Cr(CO)_6$: Solvation Dynamics of the Primary Intermediate, *Chemical Physics Letters*, **98**, 53 (1983).

6. John D. Simon, Kevin S. Peters, Na^+ and Li^+ Effects on the Photoreduction of Benzophenone: A Picosecond Absorption Study, *Journal of the American Chemical Society*, **105**, 4875 (1983).

7. John D. Simon, Kevin S. Peters, Determination of the Heat of Reaction for the Formation of Diphenylcarbene from Diphenyldiazomethane Using Photoacoustic Calorimetry, *Journal of the American Chemical Society*, **105**, 5156 (1983).

8. John D. Simon, Mark Bernstein, Kevin S. Peters, Application of Photoacoustic Calorimetry to the Photofragmentation of $Cr(CO)_6$, *Photochemistry and Photobiology*, A. H. Zewail (ed.), Harwood Academic Press, New York (1983), 599.

9. John D. Simon, Kevin S. Peters, Picosecond Dynamics of Hydrogen Bond Formation to Radical Anions of Aromatic Ketones, *Journal of Physical Chemistry*, **87**, 4855 (1983).

10. Mark Bernstein, John D. Simon, Kevin S. Peters, Metal Carbonyl Bond Strengths: Application of Photoacoustic Calorimetry, *Chemical Physics Letters*, **100**, 241 (1983).

11. John D. Simon, Kevin S. Peters, Photodissociation of Diphenylchloromethane: Ion-Pair Formation in the Presence of Ferrocene, *Organometallics*, **2**, 1867 (1983).

12. John D. Simon, Kevin S. Peters, Picosecond Studies of Organic Photoreactions, *Accounts of Chemical Research*, **17**, 277 (1984).

13. Joseph J. Grabowski, John D. Simon, Kevin S. Peters, Heat of Formation of Diphenylcyclopropenone by Photoacoustic Calorimetry, *Journal of the American Chemical Society*, **106**, 4615 (1984).

Postdoctoral Publications

14. David A. Gobeli, John D. Simon, Mostafa A. El-Sayed, The Dynamics of Multiphoton Ionization Dissociation of 2,4-Hexadiyne by Two Color Picosecond Pump-Pump Mass Spectrometric Technique: The Formation of $C_6H_6^+$, $C_4H_4^+$ and $C_4H_3^+$ Ions, *Journal of Physical Chemistry*, **88**, 3949 (1984).

15. Mostafa A. El-Sayed, David A. Gobeli, John D. Simon, Pump-Pump Picosecond Laser Techniques and Energy Distribution in Mass Spectrometry, *Ultrafast Phenomena*, K. Eisenthal, D. Austin (eds.) Springer Verlag, New York (1984), 341.

16. David A. Gobeli, John D. Simon, Mostafa A. El-Sayed, Two Color Picosecond Laser Mass Spectrometry, *International Journal of Mass Spectrometry and Ion Physics*, **63**, 149 (1985).

17. Jeng J. Yang, John D. Simon, Mostafa A. El-Sayed, Formation of $C_6H_4Cl^+$ Ions by Laser Multiphoton Ionization Fragmentation of 1,3-Dichlorobenzene Using the Two-Color Picosecond Mass Spectrometric Technique, *Journal of Physical Chemistry*, **88**, 6091 (1984).

18. John D. Simon, William R. Moomaw, Tony L. Ceckler, The Structure, NMR, and Electronic Spectra of Europium(III) Crown Ether Complexes in Solution, *Journal of Physical Chemistry*, **89**, 5659 (1985).

19. John D. Simon, Diane M. Szaflarski, Mostafa A. El-Sayed, A Computerized Two-Color Picosecond Laser Mass Spectrometer, *Society for Optical and Quantum Electronics*, Proceedings of the International Conference on Lasers 1984, p. 174.

20. David A. Gobeli, John D. Simon, Diane M. Szaflarski, Mostafa A. El-Sayed, Studies of Rapid Intramolecular and Intraionic Dynamic Processes with Two Color Picosecond Lasers and Mass Spectrometry, in *Chemical Reaction Dynamics*, P. M. Rentzepis, C. Capellos, Eds. D Reidel Publ. Co., Dordretch Holland 1986, p. 41.

21. Diane M. Szaflarski, John D. Simon, Mostafa A. El-Sayed, Study of the Multiphoton Ionization Dissociation of 1,4-Dichlorobenzene by the Two Color Picosecond Laser Mass Spectrometric Technique, *Journal of Physical Chemistry*, **90**, 5050 (1986).

22. John D. Simon, Diane M. Szaflarski, Mostafa A. El-Sayed, The Formation of $C_6H_4Cl^+$ from 1,4 Dichlorobenzene Studied by Picosecond Multiphoton Mass Spectrometry, *Proceedings of the SPIE Meeting on Laser Applications in Science and Engineering*, **620**, 57 (1986).

Publications from UCSD

1986

23. Shyh-Gang Su, John D. Simon, Solvent Dynamics and Twisted Intramolecular Charge Transfer in 4,4'-Diaminophenyl Sulphone, *Journal of Physical Chemistry*, **90**, 6475 (1986).

24. Shyh-Gang Su, John D. Simon, The Importance of Hydrogen Bonded Clusters in the Stabilization of the Intramolecular Charge Transfer State of 4,4'-Diaminophenyl Sulphone in Alcohols and Alcohol: Acetonitrile Mixtures, *Chemical Physics Letters*, **132**, 345 (1986).

25. John D. Simon, Xiaoliang Xie, Photodissociation of $Cr(CO)_6$ in Solution: Direct Observation of the Formation of $Cr(CO)_5(MeOH)$, *Journal of Physical Chemistry*, **90**, 6751 (1986).

1987

26. Albert J. Cross, John D. Simon Rotational Dynamics of a Solvated Dipole: A Molecular Dynamics Study of Dielectric Friction, *Journal of Chemical Physics*, **86**, 7079 (1987).
27. John D. Simon, Shyh-Gang Su, Solvation Dynamics and the Time-Dependent Stoke Shift, *Proceedings of the SPIE: Laser Applications in Science and Engineering*, **742**, 96 (1987).
28. Shyh-Gang Su, John D. Simon, Solvation Dynamics in Ethanol, *Journal of Physical Chemistry*, **91**, 2693 (1987).

29. John D. Simon, Shyh-Gang Su, Intramolecular Electron Transfer and Solvation, *Journal of Chemical Physics*, **87**, 7016 (1987).

30. John D. Simon, Xiaoliang Xie, Time Resolved Studies of Solvation: The Photodissociation of $Cr(CO)_6$ in Pentanol, *Journal of Physical Chemistry*, **91**, 5538 (1987).

1988

31. John D. Simon, Shyh-Gang Su, Matt Banet, Solvation and Twisted Intramolecular Charge Transfer in AminophenylSulphones, *Proceedings of the International Conference on Lasers '87* (STS Press, McLean, VA, 1988), 867.

32. John D. Simon, Time Resolved Studies of Solvation in Polar Media, *Accounts of Chemical Research*, **21**, 128 (1988).

33. Shyh-Gang Su, John D. Simon, The Importance of Vibrational Motion and Solvent Diffusional Motion in Excited State Intramolecular Electron Transfer Reactions, *Journal of Chemical Physics* , **89**, 908 (1988).

34. Xiaoliang Xie, John D. Simon, Photodissociation of $Cr(CO)_6$ in Solution: Solvation Dynamics of $Cr(CO)_5$, *Advances in Laser Science III, Optical Science and Engineering Series* , **9**, A. C. Tam, J. L. Gole, W. C. Stwalley, Eds. (AIP, New York, 1988), 721.

35. Shyh-Gang Su, John D. Simon, Time Resolved Studies of Solvation, *Advances in Laser Science III, Optical Science and Engineering Series*, **9**, A. C. Tam, J. L. Gole, W. C. Stwalley, Eds. (AIP, New York, 1988), p. 706.

36. John D. Simon, Shyh-Gang Su, Dynamic Solvent Effects on Intramolecular Electron-Transfer Reactions: Fluctuation Time Scales and Population Decays, *Journal of Physical Chemistry* , **92**, 2395 (1988).

37. Omar A. Karim, Anthony D. J. Haymet, John D. Simon, Matt J. Banet, Molecular Aspects of Nonequilibrium Solvation: A Simulation of Dipole Relaxation, *Journal of Physical Chemistry* , **92**, 3391 (1988).

38. Scott C. Bovino, Richard S. Moog, John D. Simon, Solvent Relaxation and Excited State Proton Transfer: 7-Azaindole in Ethanol, *Journal of Physical Chemistry*, **92**, 6545 (1988).

39. Shyh-Gang Su, John D. Simon, Picosecond Fluorescence Dynamics of -Dimethylaminobenzonitrile in Alcohol Solution, *Proceedings of the OE/LASE SPIE Meeting on Laser Applications in Science and Technology SPIE,* **910**, 155, Fluorescence Detection II, (SPIE, Washington, 1988).

40. Matt J. Banet, Omar A. Karim, John D. Simon, Anthony D. J. Haymet, Dipolar Relaxation Dynamics in Water: A Study of Nonequilibrium Solvation, *Nuclear Physics B*, **5A**, 261 (1988).

1989

41. John D. Simon, Xie Xiaoliang, Photodissociation of $Cr(CO)_6$ in n-propanol and i-propanol: The Effect of Solvent Structure on the Mechanism of Formation of $Cr(CO)_5(OHR)$ from Photogenerated $Cr(CO)_5(ROH)$, *Journal of Physical Chemistry*, **93**, 291 (1989).

42. Shyh-Gang Su, John D. Simon, The Importance of Molecular Size on the Dynamics of Solvent Relaxation, *Journal of Physical Chemistry*, **93**, 753 (1989).

43. Xiaoliang Xie, John D. Simon, High Energy and Tunable Picosecond Laser Pulses at 1 kHz: Synchronously Pumping a Dye Laser with a Mode-Locked, Q-Switched and Cavity Dumped Nd:YAG Laser System, *Optics Communications*, **69**, 303 (1989).

44. Shyh-Gang Su, John D. Simon Nonequilibrium and Nonadiabaticity Effects on Excited State Electron Transfer Reactions in Solution, *Chemical Physics Letters*, **158**, 423 (1989).

45. John D. Simon, John E. Crowell, John H. Weare, David R. Miller, Material Applications of the FEL at UCSB, *Journal of the Optical Society B*, **6**, 1035 (1989).

46. Xiaoliang Xie, John D. Simon Picosecond Time Resolved Circular Dichroism Spectroscopy: Experimental Details and Applications, *Review of Scientific Instruments*, **60**, 2614 (1989).

47. Xiaoliang Xie, John D. Simon Photodissociation of $Cr(CO)_6$ and $Cr(CNPh)_6$ in THF, *Journal of Physical Chemistry,* **93,** 4401 (1989).

48. John D. Simon Ultrashort Light Pulses, invited review article for *Review of Scientific Instruments*, **60**, 3597 (1989).

1990

49. John D. Simon, Shyh-Gang Su, The Effect of Vibrational Motion on the Dynamics of Intramolecular Charge Transfer Reactions, in Nonlinear Optics and Ultrafast Phenomena, R. R. Alfano, L. Rothberg, eds., Nova Publishing, New York, pp. 13-19 (1990).

50. Xiaoliang Xie, John D. Simon Picosecond Time-Resolved Studies of the Solvation of $Cr(CO)_5$ in Alcohols: A Unimolecular Kinetic Model for the Formation of $Cr(CO)_5(OHR)$ from Photogenerated $Cr(CO)_5(ROH)$, *Journal of the American Chemical Society*, **112**, 1130 (1990).

51. John D. Simon, Shyh-Gang Su, The Effect of Viscosity and Rotor Size on the Dynamics of Twisted Intramolecular Charge Transfer, *Journal of Physical Chemistry*, **94**, 3656 (1990).
52. Peggy A. Thompson, John D. Simon, Spectroscopy and Rotational Dynamics of Oxazine 725 in Alcohols: A Test of Dielectric Friction Theories, *Journal of Chemical Physics*, **92**, 2891 (1990).

53. Marie C. Messmer; John D. Simon, A Physical Interpretation of the Time Dependent Absorption Dynamics of Photogenerated Electrons in Water, *Journal of Physical Chemistry*, **94**, 1220 (1990).

54. Xiaoliang Xie, John D. Simon, Picosecond Circular Dichroism Spectroscopy: Experiment, Theory, and Applications to Protein Dynamics, *SPIE meeting on Time Resolved Laser Spectroscopy in Biochemistry* II **1204**, 66 (1990).

55. Peggy A. Thompson, John D. Simon, William R. Good, Monica M. Desai, Celeste D. Silvers, Richard S. Moog, Dielectric Friction and Chemical Processes in Solution, *Proceedings of the SPIE meeting on Picosecond and Femtosecond Spectroscopy from Laboratory to Real World*, **1201**, 1 (1990).

56. Xiaoliang Xie, John D. Simon, Picosecond Circular Dichroism Spectroscopy: A Jones Matrix Analysis, *Journal of the Optical Society B*, **7**, 1675 (1990).

57. Erin O'Driscoll, Kevin S. Peters, John D. Simon, Solvent Effects on the Energetics of Intermolecular Charge Transfer Reactions, *Journal of the American Chemical Society*, **112**, 6580 (1990).

58. Erin O'Driscoll, John D. Simon, Temperature Dependent Study of the Rearrangement Dynamics of Photogenerated Solvated Complexes of Chromium Pentacarbonyl in Alcohol, Alkyl Bromide and Nitrile Solvents, submitted to the *Journal of the American Chemical Society*, **112**, 6580 (1990).

59. Xiaoliang Xie, John D. Simon, Picosecond Time Resolved Circular Dichroism Study of Protein Relaxation in Myoglobin Following Photodissociation of CO, *Journal of the American Chemical Society*, **112**, 7802 (1990).

60. Xiaoliang Xie, John D. Simon, Picosecond Polarization Studies of Protein Motion, *Ultrafast Phenomena VII* (Springer-Verlag, 1990), p. 544.

61. John D. Simon Solvation Dynamics: New Insights Into Chemical Reaction and Relaxation Processes, invited article for *Pure and Applied Chemistry*, **62**, 2243 (1990).

62. Xiaoliang Xie, John D. Simon, Picosecond Magnetic Circular Dichroism Spectroscopy, *Journal of Physical Chemistry*, **94**, 8014 (1990).

1991

63. Xiaoliang Xie, John D. Simon, Protein Conformational Relaxation Following Photodissociation of CO from Carbonmonoxymyoglobin: Picosecond Circular Dichroism and Absorption Studies, *Biochemistry*, **30**, 3682 (1991).
64. John D. Simon, Shyh-Gang Su, Picosecond Stokes Shift Studies of Solvent Friction: Experimental Measurements of Time Dependent Band Shape and Integrated Intensity, invited article for the special issue of *Chemical Physics* **152**, 143 (1991).

65. Xiaoliang Xie, John D. Simon, A Picosecond Circular Dichroism Study of Photosynthetic Reaction Centers from Rhodabacter Sphaeroides, *Biochemica et Biophysica Acta* **1057**, 131 (1991).

66. Robert C. Dunn, John D. Simon, Picosecond Study of the Near Infrared Absorption Band of Hemoglobin Following Photolysis of Carbonmonoxy-hemoglobin, *Biophysical Journal*, **60**, 884 (1991).

67. Robert C. Dunn, John D. Simon, Picosecond Dynamics of Hemoglobin and Myoglobin Following Photodissociation of CO, *Proceedings of the International Conference on Lasers* 1991, 153.

68. Robert C. Dunn, John D. Simon, Xiaoliang Xie, Picosecond Absorption and Circular Dichroism Studies of Proteins, *Proceedings of the SPIE Meeting on Biomolecular Spectroscopy*, **1432**, 211 (1991).

69. Robert C. Dunn, Eric Richard, Veronica Vaida, Veronica, John D. Simon, Competing Photochemical Pathways of OClO in Solution, *Journal of Physical Chemistry*, **95**, 6060 (1991).

70. Nancy A. Burozski, Monica M. Desai, William R. Good, Celeste D. Silvers, Richard S. Moog, Peggy A. Thompson, John D. Simon, Solution Photophysics of 1-Aminofluorenone and 3-Aminofluorenone: The Role of Inter- and Intramolecular Hydrogen Bonding in Radiationless Deactivation, *Journal of Physical Chemistry*, **95**, 8466 (1991).

1992

71. Robert Doolen, John D. Simon, On the Dimensionality of the Reaction Coordinate in Intramolecular Charge Transfer Reactions in Protic Solvents, *Journal of the American Chemical Society*, **114**, 4861 (1992).

72. Bret N. Flanders, Robert C. Dunn, John D. Simon, Veronica Vaida, The Spectroscopy of OClO in Polar Liquids, invited paper for *Spectrochemica Acta* special issue on Atmospheric Spectroscopy, **48A**, 1293 (1992).

73. Robert C. Dunn, John D. Simon, Excited State Photoreactions of Chlorine Dioxide in Water *Journal of the American Chemical Society*, **114**, 4856 (1992).

74. James W. Lewis, Robert A. Goldbeck, David S. Kliger,Xiaoliang Xie, Robert C. Dunn and John D. Simon, Time Resolved Circular Dichroism Spectroscopy, invited Feature Article for *Journal of Physical Chemistry*, **96**, 5243 (1992).

75. Robert C. Dunn, Bret N. Flanders, John D. Simon, Solution Photochemistry of OClO: Excited State Dissociation and Isomerization, *SPIE Proceedings on Optical Methods for Time- and State-Resolved Chemistry*, **1638**, 29 (1992).

76. James K. McCusker, Kevin N. Walda, Robert C. Dunn, John D. Simon, Douglas Magde, David N. Hendrickson, Sub-Picosecond $\Delta S=2$ Intersystem Crossing in Low-Spin Ferrous Complexes, *Journal of the American Chemical Society*, **114**, 6919 (1992).

77. Peggy A. Thompson, John D. Simon, Electrolyte Effects on Molecular Radiationless Decay: The Photophysics of 3-Aminofluorenone in Acetonitrile-Salt Solutions, *Journal of Chemical Physics*, **97**, 4792 (1992).

1993

78. Robert C. Dunn, John D. Simon, Excited State Photoreactions of Chlorine Dioxide in Solution, in *Ultrafast Phenomena VIII*, Springer-Verlag, 661 (1993).

79. James K. McCusker, Kevin N. Walda, Robert C. Dunn, John D. Simon, Douglas Magde, David N. Hendrickson, Subpicosecond ^{1}MLCT " $^5T_2$ Intersystem Crossing of Low-Spin Polypyridyl Ferrous Complexes, *Journal of the American Chemical Society*, **115**, 298 (1993).

80. Robert C. Dunn, Xiaoliang Xie, John D. Simon, Real Time Spectroscopic Techniques for Probing Conformational Dynamics of Heme Proteins, *Methods in Enzymology: Mettalobiochemistry, Part C*, **226**, 117 (1993).

81. Peggy A. Thompson, Abraham E. Broudy, John D. Simon, Electrolyte Effects on the Photophysical Properties of Intramolecularly Hydrogen Bonded Molecules, *Journal of the American Chemical Society*, **115**, 1925 (1993).

82. Peggy A. Thompson, John D. Simon, Electrolyte Effects on the Energetics and Dynamics of Intermolecular Electron Transfer Reactions: Probing the Marcus Inverted Region, *Journal of the American Chemical Society*, **115**, 5657 (1993).

83. Robert C. Dunn, John D. Simon, Jamie L. Anderson, Christopher S. Foote, Condensed Phase Photochemistry of Chlorine Dioxide: Mechanisms for the Generation of Atomic Chlorine, *Journal of the American Chemical Society*, **115**, 5307 (1993).

84. Peijun Cong, Hans P. Deuel, John D. Simon, Using Optical Coherence to Measure the Ultrafast Electronic Dephasing of Large Molecules in Solution, *Chemical Physics Letters.*, **212**, 367 (1993).

1994

85. Peter J. Rossky, John D. Simon, Dynamics of Chemical Processes in Polar Solvents, invited review article, *Nature*, **370**, 263 (1994).

86. Peijun Cong, John D. Simon, Introduction to Ultrafast Laser Spectroscopic Techniques Used in the Investigation of Condensed Phase Chemical Reactivity, in *Ultrafast Spectroscopy of Chemical Systems,* Simon, J. D., Ed., 1 (1994).

87. John D. Simon, Peijin Cong, Hans P. Deuel, Robert Doolen, Robert C. Dunn, Peggy A. Thompson, Dynamics of Electronic Excited States in Solution,*Ultrafast Reaction Dynamics and Solvent Effects*, AIP **298**, Gaudell, Y., Rossky, P. J. ,Editors, 141 (1994).

88. Veronica Vaida, K. Goudjil, Bret N. Flanders, John D. Simon, Comparison Between the Thermal and Photochemical Reactivity of Chlorine Dioxide in the Gas Phase and Water Solution" *Journal of Molecular Liquids*, special issue, **61**, 133 (1994).

89. Robert Doolen, John D. Simon, Isotope Effects on the Electron-Transfer Dynamics of the Benzene and Chlorine Oxide Donor-Acceptor Complex, *Journal of the American Chemical Society*, **116**, 1155 (1994).

90. Peijun Cong, Hans P. Deuel, YiJing Yan, John D. Simon, Ultrafast Electronic Dephasing Dynamics of Large Molecules in Room Temperature Liquids Studied by Variable Pulse-Width Tunable Femtosecond Transient Absorption Spectroscopy, *Journal of Luminescene*, **60&61**, 699 (1994).

91. Peijun Cong, YiJing Yan, Hans P. Deuel, John D. Simon, Non-Markovian Optical Dephasing Dynamics in Room Temperature Liquids Investigated by Femtosecond Transient Absorption Spectroscopy: Theory and Experiment, *Journal of Chemical Physics,* **100**, 7855 (1994).

92. John D. Simon, Peijun Cong, Hans P. Deuel, Recent Advances in Femtosecond OHD-RIKES of Solutions, invited paper in *Proceedings of the XIVth International Conference on Raman Spectroscopy*, Yu, N.-T., Li, X.-Y., Editors, Wiley, 1994, p, 440.

93. Peijun Cong, John D. Simon, Hans P. Deuel, Four-wave Mixing Studies of Electronic Relaxation, contributed paper in *Proceedings of the XIVth International Conference on Raman Spectroscopy*, Yu, N.-T., Li, X.-Y., Editors, Wiley, 1994, p. 408.

94. Yuri Dakhnovskii, Robert Doolen, John D. Simon, Electron Transfer in the Marcus Inverted Region: Experiment and Adiabatic Tunneling Mechanism, *Journal of Chemical Physics*, **101**, 6640 (1994).

95. Hans P. Deuel, Peijun Cong, John D. Simon, Probing Intermolecular Dynamics in Liquids by Femtosecond Optical-Kerr-Effect Spectroscopy: Effects of Molecular Symmetry, *Journal of Physical Chemistry*, **98**, 12600 (1994).

1995

96. Peijun Cong, YiJing Yan, Hans P. Deuel, John D. Simon, Probing the Molecular Dynamics of Liquids and Solutions, invited chapter *for Ultrafast Processes in Chemistry and Photobiology* Chemistry in the 21st Century, El-Sayed, M. A., Molin, Y. N. and Tanaka, I, Eds., 1995, p. 53.

97. Peijun Cong, YiJing Yan, Hans P. Deuel, John D. Simon, Optical Dephasing Dynamics in Room Temperature Liquids, in *Ultrafast Phenomena IX*, Springer-Verlag 1995, p.101.

98. Hans P. Deuel, Peijun Cong, John D. Simon, Importance of Femtosecond Solvent Motion on Electron-Transfer Reactions: A Study of Electrolyte Solutions, in *Ultrafast Phenomena IX*, Springer-Verlag 1995, p 510.

99. Robert C. Dunn, Bret N. Flanders, John D. Simon, Solvent Effects on the Spectroscopy and Ultrafast Photochemistry of Chlorine Dioxide, *Journal of Physical Chemistry*, special issue in honor of M. A. El-Sayed, **99**, 7360 (1995).

100. Robert Doolen, John D. Simon, Kim K. Baldridge, Solvent, Isotope, and Substituent Effects on the Bimolecular Electron Transfer Reaction Between Chlorine Oxide and Benzenes, *Journal of Physical Chemistry*, **99**, 13938 (1995).

101. Veronica Vaida, John D. Simon, Isolated Molecule, Condensed Phase, and Atmospheric Photochemistry of OClO, invited feature article for *Science*, **268**, 1443 (1995).

102. David Adams, Bulang Li, John D. Simon, David N. Hendrickson, Photoinduced Valence Tautomerism in Cobalt Bis-o-Quinone Complexes: Dynamics of the High-Spin [CoII(3,5-DTBSQ)2] to Low-Spin [CoIII(3,5-DTBSQ(3,5-DTBCat)] Interconversion, *Angewandte Chemie*, **34**, 1481 (1995).

103. Peijun Cong, Hans P. Deuel, John D. Simon, Structure and Dynamics of Molecular Liquids Investigated by Optical-Heterodyne Detected Raman-Induced Kerr Effect Spectroscopy (OHD-RIKES), *Chemical Physics Letters*, **240**, 72 (1995).

104. Hans P. Deuel, Peijun Cong, John D. Simon, Probing the Effects of Electrolytes on Intermolecular Interactions in Solution by Optical-Heterodyne Detected Raman-Induced Kerr Effect Spectroscopy (OHD-RIKES), *Journal of Raman Spectroscopy*, **26**, 523 (1995).

105. Yong-Joon Chang, Peijun Cong, John D. Simon, Optical Heterodyne Detection of Impulsed Stimulated Raman Scattering in Liquids, *Journal of Physical Chemistry*, **99**, 7857 (1995).

106. John D. Simon, Alan Campion, Malcolm F. Nicol, A Biography of Mostafa A. El-Sayed, *Journal of Physical Chemistry*, **99**, 7199 (1995).

1996

107. Peijun Cong, John D. Simon, She, Joseph, Intermolecular Spectral Densities of Liquids: A Critical Comparison of Time-Domain and Frequency-Domain Techniques, *Journal of Chemical Physics*, **104**, 962 (1996).

108. John D. Simon, Peijun Cong, Yong-Joon Chang, Probing the Intermolecular Dynamics of Liquids by Femtosecond Spectroscopy, in Ultrafast Processes in Spectroscopy, Svelto, O., De Silvestri, S., Denardo, G. (Eds.) Plenum Press (1996) p. 79.

109. Yong-Joon Chang, John D. Simon, Ultrafast Dynamics of Chlorine Dioxide Photochemistry in Water Studied by Femtosecond Transient Absorption Spectroscopy, *Journal of Physical Chemistry*, **100**, 6406 (1996).

110. Peijun Cong, Yong-Joon Chang, John D. Simon, Complete Determination of Intermolecular Spectral Densities of Liquids using Position-Sensitive Interferometric Spectroscopy, *Journal of Physical Chemistry*, **100**, 8613 (1996).

111. John D. Simon, Review of Femtosecond Chemistry. Volumes 1 and 2. J. Manz, L. Woste, Editors. VCH: Weinheim and New York, *Journal of the American Chemical Society*, **118**, 3543 (1996).

112. Kerry M. Hanson Bulang Li, John D. Simon, A Femtosecond Absorption Study of Urocanic Acid, in Ultrafast Phenomena X, Springer-Verlag, p. 357 (1996).

113. Yong-Joon Chang, John D. Simon, Solvent Effects on the Ultrafast Dynamics of Chlorine Dioxide Photochemistry, in Ultrafast Phenomena X, Springer-Verlag, p. 253 (1996).

1997

114. Yong-Joon Chang, Peijun Cong, Simon, John, Direct Measurement of Polarized and Depolarized Raman Spectral Densities of Liquids using Femtosecond Stimulated Raman Gain Spectroscopy, in Seventh International Conference on Time-Resolved Vibrational Spectroscopy, Los Alamos National Laboratory, p. 299 (1997).

115. Peijun Cong, Hans P. Deuel, John D. Simon, Probing Intermolecular Dynamics in Liquids by Time-resolved Optical Heterodyne Detected Raman-Induced Kerr Effect Spectroscopy (OHD-RIKES), in Seventh International Conference on Time-Resolved Vibrational Spectroscopy, Los Alamos National Laboratory, p. 143 (1997).

116. Yong-Joon Chang, Peijun Cong, John D. Simon, Optical-Heterodyne-Detection of Polarization-Selective Transient Grating Impulsive Stimulated Raman Scattering Responses by Liquids, in Seventh International Conference on Time-Resolved Vibrational Spectroscopy, Los Alamos National Laboratory, p. 297 (1997).

117. Yong-Joon Chang, Peijun Cong, John D. Simon, Measurement of the Isotropic and Anisotropic Dynamics in Aromatic Liquids Using Femtosecond Position-Sensitive Kerr Lens Spectroscopy, *Journal of Chemical Physics*, **106**, 8639 (1997).

118. Kerry M. Hanson, Bulang Li, John D. Simon, A Spectroscopic Study of the Epidermal Ultraviolet Chromophore trans-Urocanic Acid, *Journal of the American Chemical Society*, **119**, 2715 (1997).

119. Bulang Li, Kerry M. Hanson, John D. Simon, Primary Processes of the Electronic Excited States of trans-Urocanic Acid, *Journal of Physical Chemistry A*, **101**, 969 (1997).

120. Kerry M. Hanson, John D. Simon, The Photochemical Isomerization Kinetics of Urocanic Acid and Their Effects Upon the In Vitro and In Vivo Photoisomerization Action Spectra, *Photochemistry and Photobiology*, **66**, 817 (1997).

121. Kerry M. Hanson, John D. Simon, Photochemistry of Urocanic Acid: Evidence that Urocanic Acid should be used with Caution in Cosmetic Formulations, *Journal of the Society of Cosmetic Chemists*, **48**, 151 (1997).

1998

122. Kerry M. Hanson, John D. Simon, The Origin of the Wavelength-Dependent Photoreactivity of *trans*-Urocanic Acid, *Photochemistry and Photobiology*, **67**, 538 (1998).

123. Kerry M. Hanson, John D. Simon, Epidermal trans-Urocanic Acid and the UV-A Induced Photoaging of the Skin, *Proceedings of the National Academy of Sciences, USA* , **95**, 10576 (1998).

124. Susan E. Forest, John D. Simon, Wavelength-Dependent Photoacoustic Calorimetry Study of Melanin, *Photochemistry and Photobiology*, **68**, 296 (1998).

Publications from Duke University

1999

125. Stuart H, Pullen, Maurice D. Edington, Shanon L. Studer-Martinez, John D. Simon, Heinz A. Staab, Experimental Verification of the Through-Bond Mechanisms of Electron Transfer in Bridged Donor-Acceptor Complexes, *Journal of Physical Chemistry A*, **103**, 2740 (1999).

126. Susan E. Forest, Michael J. Stimson, John D. Simon, Mechanism for the Photochemical Production of Superoxide by Quinacrine, *Journal of Physical Chemistry B*, **103**, 3963 (1999).

127. J. Brian Nofsinger, Susan E. Forest, John D. Simon, An Explanation for the Disparity Among the Absorption and Action Spectra of Eumelanin, *Journal of Physical Chemistry*, **103**, 11428 (1999).

128. Michael J. Stimson, Nicole M. Haralampus-Grynaviski, John D. Simon, A Unique Optical Arrangement for Obtaining Spectrally-Resolved Confocal Images, *Review of Scientific Instrument*, **70**, 3351 (1999).

129. Mostafa A. El-Sayed, Charles B. Harris, John D. Simon, Ahmed H. Zewail, In Recognition of Kent Wilson's Contributions, *Journal of Physical Chemistry A.* **103**, 10220 (1999).

130. Stuart H, Pullen, Shanon L. Studer-Mertinez, Maurice D. Edington, Amanda L. Harris, Alan Long, Steven W. Baldwin, Heinz A. Staab, John D. Simon, Comparison of the Photoinduced Electron Transfer Reaction in a Rigid Cyclophane with its Corresponding Bimolecular Donor/Acceptor Complex, *Journal of Physical Chemistry A.* **103**, 10220 (1999).

2000

131. Susan E. Forest, Wai C. Lam, David P. Millar, J. Brian Nofsinger, John D. Simon, A Model for the Activated Energy Transfer within Melanin Aggregates, *Journal of Physical Chemistry B,* **104**, 811 (2000).

132. John D. Simon Spectroscopic and Dynamic Studies of the Epidermal Chromophores trans-Urocanic Acid and Eumelanin, *Accounts of Chemical Research*, 33, 307-313 (2000)

133. J. Brian Nofsinger, Susan E. Forest, Leslie M. Eibest, Katheryn A. Gold, John D. Simon, Probing the Building Blocks of Eumelanins using Scanning Electron Microscopy, *Pigment Cell Research*, **13**,180-185 (2000).

134. Nicole M. Haralampus-Grynaviski, Michael J. Stimson, John D. Simon, Design and Applications of Spectrally-Resolved Fluorescence Microscopy, *Applied Spectroscopy* **54**, 1727-1733 (2000).

135. Christine M. R. Clancy, J. Brian Nofsinger, R. Kyle Hanks, John D. Simon, An Hierarchical Self-Assembly of Eumelanin, *Journal of Physical Chemistry* **104**, 7871 (2000).

136. Christine M. R. Clancy, Jeffrey R. Krogmeier, Anna Pawlak, Malgorzata Rozanowska, Tadeusz Sarna, Robert C. Dunn, John D. Simon, Atomic Force Microscopy and Near-Field Scanning Optical Microscopy Measurements of Single Human Retinal Lipofuscin Granules, *Journal of Physical Chemistry B,* **104**, 12098-12100 (2000).

2001

137. Maurice D. Edington, James Floyd, Nicole M. Haralampus-Grynaviski, Tong Ye, Bo Zheng, John D. Simon, Femtosecond Pump-Probe Studies of Radiationless Decay Dynamics in Arthropod and Mollusc Hemocyanin, *Ultrafast Phenomena XII*, T. Elsaesser, S. Mukamel, M. M. Murname, N. F. Scherer, Eds., Springer-Verlag, Berlin, pp. 692-694 (2001).

138. Jeffrey R. Krogmeier, Christine M. R. Clancy, Anna Pawlak, Malgorzata Rozanowska, Tadeusz Sarna, John D. Simon, Robert C. Dunn, Mapping the Distribution of Emissive

Molecules in Human Ocular Lipofuscin Granules, *Journal of Microscopy - Oxford*, **202**, 386-390 (2001).

139. J. Brian Nofsinger, Tong Ye, John D. Simon, Ultrafast Nonradiative Relaxation Dynamics of Eumelanin, *Journal of Physical Chemistry B*, **105**, 2864-2866 (2001).

140. James Floyd, Nicole M. Haralampus-Grynaviski, Tong Ye, Bo Zheng, John D. Simon, Maurice D. Edington, Time-Resolved Spectroscopic Studies of Radiationless Decay Processes in Photoexcited Hemocyanins, *Journal of Physical Chemistry B*, **105**, 1478-1483 (2001).

141. FP. Noonan, JD Simon, PH Hart, J. Garssen, EC De Fabo, Urocanic Acid Photobiology, in *Photobiology for the 21st Century*, T. P. Coohill, D. P. Valenzena, Valdenmar Press: Overland Park, pp. 69-80 (2001).

142. J. Brian Nofsinger, John D. Simon Radiative Relaxation of *Sepia* Eumelanin is Affected by Aggregation, *Photochemistry and Photobiology*, **74**, 31-37 (2001).

143. Nicole M. Haralampus-Grynaviski, Laura E. Lamb, John D. Simon, Jeffrey R. Krogmeier, Robert C. Dunn, Anna Pawlak, Malgorzata Rózanowska, Tadeusz Sarna, Janice M. Burke, Probing the Spatial Dependence of the Emission Spectrum of Single Human Retinal Lipofuscin Granules Using Near-Field Scanning Optical Microscopy, *Photochemistry and Photobiology*, **74**, 364-368 (2001).

144. Laura E. Lamb, Mariusz Zareba, Sotirios N. Plakoudas, Tadeusz Sarna, John D. Simon, Retinyl palmitate and the blue-light phototoxicity of human ocular lipofuscin, *Archives of Biochemistry and Biophysics*, **393**, 316-320 (2001).

145. Christine M. R. Clancy, John D. Simon, Ultrastructural Organization of Eumelanin from Sepai officinalis Measured by Atomic Force Microscopy, *Biochemistry*, **40**, 13353-13360 (2001).

146. Laura E. Lamb, Tong Ye, Nicole M. Haralampus-Grynaviski, T. Richard Williams, Anna Pawlak, Tadeusz Sarna, John D. Simon, The Primary Photophysical Properties of A2E in Solution, *Journal of Physical Chemistry B*, **105**, 11507-11512 (2001).

147. Yuri V. Il'ichev, Jennifer L. Perry, Colin Chignell, Richard A. Manderville, John D. Simon, The pH-Dependent Primary Photoreactions of Ochratoxin A, *Journal of Physical Chemistry B*, **105**, 11369-11376 (2001).

2002

148. Yuri V. Il'ichev, Jennifer Perry, John D. Simon, Interaction of Ochratoxin A with Human Serum Albumin. Preferential Binding of the Dianion and pH Effects, *Journal of Physical Chemistry B*, **106**, 452-459 (2002).

149. Yuri V. Il'ichev, Jennifer Perry, John D. Simon, Interaction of Ochratoxin A with Human Serum Albumin. A Common Binding Site of Ochratoxin A and Warfarin in Subdomain IIA, *Journal of Physical Chemistry B*, **106**, 460-465 (2002).

150. J. Brian Nofsinger, Emily E. Weinert, John D. Simon, Towards the Establishment of Structure-Function Relationships for Eumelanin, Proceedings of the 9th ECSBM Meeting in Prague, *Biospectroscopy*, **67**, 302-305 (2002)..

151. J. Brian Nofsinger, Yan Liu, John D. Simon, Aggregation of Eumelanin Mitigates Photogeneration of Reactive Oxygen Species, *Free Radical Biology and Medicine*, **32**, 720-730 (2002).

152. Nicole Haralampus-Grynaviski, Carla Ransom, Tong Ye, Marta Wrona, Malgorzata Rozanowska, Tadeusz Sarna, John D. Simon, Photogeneration and Quenching of Reactive Oxygen Species by Urocanic Acid, *Journal of the American Chemical Society*, **124**, 3461-3468 (2002).

153. John D. Simon, Yan Liu, J. Brian Nofsinger, Assembly and Aerobic Photoreactivity of Melanin, *The Spectrum*, **15**, 3-6 (2002).

154. Anna Pawlak, Malgorzata Rozanowska, Mariusz Zereba, Laura E. Lamb, John D. Simon, Tadeusz Sarna, Action Spectra for the Photoconsumption of Oxygen by Human Ocular Lipofuscin, Lipofuscin Extracts, and A2E, *Archives of Biochemistry and Biophysics*, **403**, 59-62 (2002).

155. Tong Ye, John D. Simon, Ultrafast Spectroscopic Study of Pheomelanin: Implications on the Mechanism of Superoxide Anion Formation, *Journal of Physical Chemistry*, **106**, 6133-6135 (2002).

156. Yuri V. Il'ichev, Jennifer Perry, Florian Ruker, Michael Dockal, John D. Simon, Interaction of Ochratoxin A with Human Serum Albumin. Binding Sites Localized by Competitive Interactions with the Native Protein and Its Recombinant Fragments, *Chemico-Biological Interactions*, **141**, 275-293 (2002).

2003

157. Tong Ye, Tadeusz Sarna, John D. Simon, Ultrafast energy transfer from bound tetra(4-N,N,N,N-trimethylanilinium)porphyrin to synthetic dopa and cysteinyldopa melanins, *Photochemistry and Photobiology*, **77**, 54-57 (2003).

158. Tong Ye, John D. Simon, The Action Spectrum for Generation of the Primary Intermediate Revealed by Ultrafast Absorption Spectroscopy Studies of Pheomelanin, *Photochemistry and Photobiology*, **77**, 41-45 (2003).

159.Yan Liu, John D. Simon, The Effect of Preparation Procedures on the Morphology of Melanin from Ink Sac of *Sepia Officinalis, Pigment Cell Research,* **16**, 72-80 (2003).

160. Anna Pawlak, Marta Wrona, Małgorzata Różanowska, Mariusz Zaręba, Laura E. Lamb, Joan Roberts, John D. Simon, Tadeusz Sarna, Comparison of the Aerobic Photoreactivity of A2E with its Precursor Retinal, *Photochemistry and Photobiology*, **77**, 253-258 (2003).

161. Nicole Haralampus-Grynaviski, Laura Lamb, Christine M. R. Clancy, Christine Skumatz, Janice M. Burke, Tadeusz Sarna, John D. Simon, Spectroscopic and Morphological Studies of Human Retinal Lipofuscin Granules, *Proceedings of the National Academy of Sciences USA*, **100**, 3179-3184 (2003).

162. Tao Gu, Tong Ye, John D. Simon, James K. Whitesell, Marye Anne Fox, Sub-picosecond Transient Dynamics in Gold Nanoparticles Encapsulated by a Fluorophore-Terminated Monolayer, *Journal of Physical Chemistry B,* **107**, 1765-1771 (2003).

163. Yan Liu, Valerie Kempf, J. Brian Nofsinger, Emily E. Weinert, Mark Rudnicki, Kazumasa Wakamatsu, Shosuke Ito, John D. Simon, Comparison of the Structural and Physical Properties of Human Eumelanin Following Enzymatic or Acid/Base Extraction, *Pigment Cell Research,* **16**, 355-365 (2003).

164. Tong Ye, Laura E. Lamb, Kazumasa Wakamatsu, Shosuke Ito, John D. Simon, Ultrafast Absorption and Photothermal Studies of decarboxy-Trichochrome C in Solution, invited paper for Symposium in-Print in Honor of Silvia E. Braslavsky: Photothermal Methods Applied to Photochemistry and Photobiology, *Photochemical and Photobiological Sciences*, **2**, 821-823 (2003).

165. Jennifer L. Perry, Yuri V. Il'ichev, Valerie R. Kempf, Jamal McClendon, Gyungse Park, Richard A. Manderville, Florian Ruker, Michael Dockal, and John D. Simon, The Binding of Ochratoxin A Derivatives to Human Serum Albumin, *Journal of Physical Chemistry B*, **107**, 6644-6647 (2003).

166. Yuri V. Il'ichev, John D. Simon, Building Blocks of Eumelanin: Relative Stability and Excitation Energy of Tautomers of 5,6-Dihydroxyindole and 5,6-Indolequinine: Precursors to Eumelanins, *Journal of Physical Chemistry B,* **107**, 7162-7171 (2003).

167. Jennifer L. Perry, Trine Christensen, Michael R. Goldsmith, Eric J. Toone, David N. Beratan, John D. Simon, Binding of Ochratoxin A to Human Serum Albumin Stabilized by a Protein-Ligand Ion Pair, *Journal of Physical Chemistry B,* **107**, 7884-7888 (2003).

168. Tong Ye, John D. Simon, Comparison of the Ultrafast Absorption Dynamics of Eumelanin and Pheomelanin, *Journal of Physical Chemistry B.*, **107**, 11240-11244 (2003).

169. Yan Liu, John D. Simon, Isolation and Biophysical Studies of Natural Eumelanins: Applications of Imaging Technologies and Ultrafast Spectroscopy, Invited Review, *Pigment Cell Research*, **16**, 606-618 (2003).

2004

170. Małgorzata Różanowska, Anna Pawlak, Bartosz Różanowski, Christine Skumatz, Mariusz Zaręba, Mike E. Boulton, Janice M. Burke, Tadeusz Sarna, John D. Simon, Age-Related Changes in the Photoreactivity of Retinal Lipofuscin Granules; Role of Chloroform Insoluble Components, *Investigative Ophthalmology and Visual Sciences,* **45**, 1052-1060 (2004).

171. Laura E. Lamb, John D. Simon, A2E – A Component of Ocular Lipofuscin, invited review, *Photochemistry and Photobiology*, **79**, 127-136 (2004).

172. Yan Liu, Lian Hong, Valerie R. Kempf, Kazumasa Wakamatsu, Shosuke Ito, John D. Simon, Ion-Exchange and Adsorption of Fe(III) by *Sepia* Melanin, *Pigment Cell Research*, **17**, 262-269 (2004).

173. John D. Simon, Shosuke Ito, On the Molecular Structure of Melanins, *Invited Letter to Pigment Cell Research* **17**, 423-425 (2004).

174. Alexander Samokhvalov, Yan Liu. John D. Simon, Characterization of the Fe(III) Binding Site in *Sepia* Eumelanin by Resonance Raman Confocal Microspectroscopy, *Photochemistry and Photobiology* **80**, 84-88 (2004).

175. Jennifer L. Perry, Michael R. Goldsmith, Gordana Wozniak, Michael Peterson, David N. Beratan, Florian Ruker, John D. Simon, Structure of the Ochratoxin A Binding Site within Human Serum Albumin, *Journal of Physical Chemistry B* **108,** 16960 – 16964 (2004).

176. Changhuei Yang, Michael A. Choma, Laura E. Lamb, John D. Simon, Joseph A. Izatt, Protein Based Molecular Contrast Optical Coherence Tomography with Phytochrome as the Contrast Agent, *Optics Letters*. **29**, 1396-1398 (2004).

177. Lian Hong, Yan Liu and John D. Simon, Binding of Metal Ions to Melanin and Its Effects on Aerobic Reactivity, *Photochemistry and Photobiology*, **80**, 477-481 (2004).

178. Changhuei Yang, Laura E. L. McGuckin, John D. Simon, Michael A. Choma, Brian Applegate, Joseph A. Izatt, Spectral Triangulation Molecular Contrast optical coherence tomography with Indocyanine Green as the Contrast Agent, *Optics Letters*, **29**, 2016-2018 (2004).

179. Jian Dai, Gyungse Park, Jennifer L. Perry, Yuri V. Il'ichev, Daniel A. J. Bow, John B. Pritchard, Virginie Faucet, Annie Pfohl-Leszkowicz, Richard A. Manderville, John D. Simon, Molecular Aspects of the Transport and Toxicity of Ochratoxin A, Invited Review, *Accounts of Chemical Research* **37**, 874-881 (2004).

180. Alexander Samokhvalov, Jacob Garguilo. W.-C. Yang, Glenn S. Edwards, Robert J. Nemanich, John D. Simon, Photoionization Threshold of Eumelanosomes Determined Using UV Free Electron Laser – Photoelectron Emission Microscopy, *Journal of Physical Chemistry B*, **108**, 16334-16338 (2004).

2005

181. Yan Liu, John D. Simon, Metal Ion Interactions and the Structural Organization of *Sepia* Eumelanin, *Pigment Cell Research*, **18**, 42-48 (2005)

182. Yan Liu, Lian Hong, Clifford R. Bowers, Kazumasa Wakamatsu, Shosuke Ito, John D. Simon, Comparison of the Structural, Chemical, and Spectroscopic Properties of Human Black and Red Hair Melanosomes, *Photochemistry and Photobiology*, **81** 135-144 (2005).

183. Alexander Samokhvalov, Lian Hong, Yan Liu, Jacob Garguilo. Robert J. Nemanich, Glenn S. Edwards, John D. Simon, Oxidation Potentials of Human Eumelanosomes and Pheomelanosomes, *Photochemistry and Photobiology* **81** 145-148 (2005).

184. Yan Liu, Lian Hong, Kazumasa Wakamatsu, Shosuke Ito, Bhavin B. Adhyaru, Chi-Yuan Cheng, Clifford R. Bowers, John D. Simon Comparisons of the Structural and Chemical Properties of Melanosomes Isolated from Retinal Pigment Epithelium, Iris, and Choroid of Newborn and Mature Bovine Eyes, part of the Symposium-in-Print on Ocular Photobiology, *Photochemistry and Photobiology*, **81** 510-516 (2005).

185. Lian Hong, John D. Simon, Physical and Chemical Characterization of Iris and Choroid Melanosomes Isolated from Newborn and Mature Cows, part of the Symposium-in-Print on Ocular Photobiology, *Photochemistry and Photobiology* **81** 517-523 (2005).

186. G.S. Edwards, S.J. Allen, R.F. Haglund, R.J. Nemanich, B. Redlich, J.D. Simon, W.-C. Yang, Applications of Free-Electron Lasers in the Biological and Material Sciences, *Photochemistry and Photobiology*, **81** 711-735 (2005).

187. Silvia E. Braslavsky, John D. Simon, Encuentros Latinoamericanos de Fotoquímica y Fotobiología (ELAFOT): The Latin-American Photochemical and Photobiological Community, *Photochemistry and Photobiology*, **81** 768-770 (2005).

2006

188. Daniel A. J. Bow, Jennifer L. Perry, John D. Simon, John B. Pritchard, The Impact of Albumin Binding on the Renal Transport of the Fungal Mycotoxin, Ochratoxin A, *Journal of Pharmacology and Experimental Theraputics*¸ **316**, 349-355 (2006)

189. John D. Simon, Michael R. Goldsmith, Lian Hong, Valerie R. Kempf, Laura E. L. McGuckin, Tong Ye, and Gerard Zuber, Spectroscopy and Photoreactivity of Trichochromes: Molecular Components of Pheomelanin, *Photochemistry and Photobiology*, **82**, 318-323 (2006).

190. Tong Ye, Gunay Yurtsever, Martin Fischer, John D. Simon, Warren S. Warren, Imaging Melanin by Two-Photon Absorption Spectroscopy, in Multiphoton Microscopy in the Biomedical Sciences VI, *Proceedings of SPIE*, **6089,** 332-338 (2006).

191. Tong Ye, Lian Hong, Jacob Garguilo, Anna Pawlak, Glenn S. Edwards, Robert J. Nemanich, Tadeusz Sarna and John D. Simon, Photoionization Thresholds of Melanins Obtained Free-Electron Laser Photoelectron Emission Microscopy, Femtosecond Transient Absorption Spectroscopy, and EPR Measurements of Oxygen Photoconsumption, *Photochemistry and Photobiology* **82**, 733-737 (2006).

192. M. Zareba, G. Szewczyk, L. Hong, T. Sarna, J. D. Simon, J. M. Burke, Effects of Photodegradation on the Physical and Antioxidant Properties of Melanosomes Isolated from Retinal Pigment Epithelium, *Photochemistry and Photobiology* **82,** 1024-1029 (2006).

193. Michael C. Pirrung Tong Ye, Zheng Zhou, and John D. Simon, Mechanistic Studies on the Photochemical Deprotection of 3', 5'-Dimethoxybenzoin Esters, *Photochemistry and Photobiology* **82**, 1258-1264 (2006).

194. Lian Hong, John D. Simon, Insight into the Binding of Divalent Cations to *Sepia* Eumelanin from Infrared Absorption Spectroscopy, *Photochemistry and Photobiology* **82**, 1265-1269 (2006).

195. Jennifer L. Perry, Michael-R. Goldsmith, T. Richard Williams, Kyle Radick, Trine Christenson, Justin Gorham, Melissa A. Pasquinelli, Eric J. Toone, David N. Beratan, and John D. Simon, Binding of Warfarin Influences the Acid-Base Equilibria of H242 in Sudlow Site I of Human Serum Albumin, *Photochemistry and Photobiology* **82**, 1365-1369 (2006).

196. Lian Hong, John D. Simon, Tadeusz Sarna, Melanin Structure and the Potential Functions of Uveal Melanosomes, *Pigment Cell Research*, **19**, 465-466 (2006)

197. William D. Bush, Jacob Garguilo, Fabio A. Zucca, Alberto Albertini, Luigi Zecca, Glenn S. Edwards, Robert J. Nemanich, and John D. Simon, The surface oxidation potential of human neuromelanin reveals a spherical architecture with a pheomelanin core and eumelanin surface, *Proceedings of the National Academy of Sciences* **103**, 14785-14789 (2006)

198. Lian Hong, Jacob Garguilo, Laura Anzaldi, Glenn S. Edwards, Robert J. Nemanich, and John D. Simon, Age-Dependent Ionization Potentials of Melanosomes and Lipofuscin Isolated from Human Retinal Pigment Epithelium Cells, *Photochemistry and Photobiology* **82**, 1475-1481 (2006).

2007

199. Weslyn C. Ward, John D. Simon, The differing embryonic origins of retinal and uveal – iris/ciliary body, choroid – melanosomes is mirrored by their phospholipid composition, *Pigment Cell Research* **20**, 61-69 (2007).

200. Jacob Garguilo, Lian Hong, Glenn S. Edwards, Robert J. Nemanich, and John D. Simon, The Surface Oxidation Potential of Eumelanosomes Measured by Free Electron Laser Photoelectron Emission Microscopy, *Photochemistry and Photobiology* **83**, 692-697 (2007).

201. William D. Bush, John D. Simon, Quantification of Ca^{2+} binding to melanin supports the hypothesis that melanosomes serve a functional role in regulating calcium homeostasis, *Pigment Cell Research.* **20**, 134-139 (2007).

202. Dan Fu, Tong Ye, Thomas E. Matthews, Gunay Yurtsever, Lian Hong, John D. Simon, Warren S. Warran, Two-color excited-state absorption imaging of melanins, in Photonics in Dermatology and Plastic Surgery, *Proceedings of SPIE*, 6424, 642402 (2007).

203. Lian Hong, John D. Simon, Current Understanding of the binding sites, capacity, affinity, and biological significance of metals in melanin, Invited feature article, *Journal of Physical Chemistry B,* **111**, 7938-7947 (2007).

204. Weslyn C. Ward, Ziqiang Guan, Fabio A. Zucca, Alberto Albertini, Reza Korestani, Luigi Zecca, Christian R. Raetz, and John D. Simon, Quantification of dolichols and the identification of dolichoic acid in the *substantia nigra* of the human brain, *Journal of Lipid Research,* **48**, 1457 – 1462 (2007).

2008

205. Lian Hong, Lanying Q. Hatcher, William D. Bush, John D. Simon, Determining Thermodynamics Parameters from Isothermal Calorimetric Isotherms of the Binding of Macromolecule to Metal Cations Originally Chelated by a Weak Ligand, *Journal of Physical Chemistry B,* **112**, 604-611 (2008).

206. Tong Ye, Anna Pawlak, Tadeusz Sarna. John D. Simon, Different Molecular Constituents in Pheomelanin are Responsible for the Emission, Transient Absorption and Oxygen Photoconsumption, *Photochemistry and Photobiology* **84**, 437-443 (2008).

207. Tong Ye, Dan Fu, Thomas E. Matthews, Lian Hong, John D. Simon, Warren S. Warren, Two-photon absorption and transient photothermal imaging of pigments in tissues, *Proceedings of SPIE* 6842, 6842A-5 (2008).

208. Weslyn C. Ward, Erin C, Lamb, David Gooden, Xin Chen, David J. Burinsky, John D. Simon, Quantification of Naturally Occurring Pyrrole Acids in Melanosomes, *Photochemistry and Photobiology* **84**, 700-705 (2008).

209. Dan-Ning Hu, John D. Simon, Tadeusz Sarna, Role of Ocular Melanin in Ophthalmic Physiology and Pathology, *Photochemistry and Photobiology* **84**, 639 – 644 (2008).

210. Senli Guo, Lian Hong, John D. Simon, Boris B. Akhremitchev, Surface Elastic Properties of Human Retinal Pigment Epithelium Melanosomes, *Photochemistry and Photobiology* **84**, 671-678 (2008).

211. John D. Simon, Intoduction to the Symposium-in-Print on Melanins, *Photochemistry and Photobiology* **84**, 537-538 (2008).

212. Lanying Q. Hatcher, John D. Simon, Low temperature oxidation of 5,6-dihydroxyindole: A novel approach to study synthetic melanogenesis, *Photochemistry and Photobiology* **84**, 608-612 (2008).

213. John D. Simon, Malgorzata Rozanowski, Perspectives on the Structure and Function of Melanin, *Pigment Cell Research.* **21**, 346-347 (2008).

214. David Sulzer, Eugene Mosharov, Zsolt Talloczy, Fabio A. Zucca, John D. Simon and Luigi Zecca, Neuronal pigmented autophagic vacuoles: lipofuscin, neuromelanin, and ceroid as macroautophagic responses during aging and disease, *Journal of Neurochemistry* **106**, 24-36 (2008).

215. Lanying Q. Hatcher, Lian Hong, Tessa Carducci, William D. Bush, and John D. Simon, Quantification of the Binding Constant of Copper(II) to the Amyloid-Beta Peptide, *Journal of Physical Chemistry B* **112,** 8160-8164 (2008).

216. Dan Fu, Tong Ye, Thomas E. Matthews, James Grichnick,Lian Hong, John D. Simon, Warren S. Warren, Probing skin pigmentation changes with transient absorption imaging of eumelanin and pheomelanin, *Journal of Biomedical Optics* **13**, 054036 (2008).

217. John D. Simon, Lian Hong, Dana N. Peles, Insights into melanosomes and melanins from some interesting spatial and temporal properties, invited Centennial Feature Article, *Journal of Physical Chemistry B* **112**, 13201 – 13217 (2008).

218. Luigi Zecca, Chiara Bellei, Patrizia Costi, Alberto Albertini, Enrico Monzani, Luigi Casella, Mario Gallorini, Luigi Bergamaschi, Alberto Moscatelli, Nicholas J. Turro, Melvin Eisner, Pier Raimondo Crippa, Shosuke Ito, Kazumasa Wakamatsu, William D. Bush, Weslyn C. Ward, John D. Simon and Fabio A. Zucca, New melanic pigments in the human brain that accumulate in aging and block environmental toxic metals, *Proceedings of the National Academy of Sciences, USA* **115**, 17567-17572 (2008).

2009

219. Dana N. Peles, John D. Simon, Challenges in Applying Photoemission Electron Scanning Microscopy to Biological Systems, *Photochemistry and Photobiology* **85**, 8-20 (2009).

220. William D. Bush, Jacob Garguilo, Fabio A. Zucca, Chiara Bellei, Robert J. Nemanich, Glenn S. Edwards, Luigi Zecca, John D. Simon, Neuromelanins Isolated from Different Regions of the Human Brain Exhibit a Common Surface Photoionization Threshold, *Photochemistry and Photobiology* **85**, 387-390 (2009).

221. Dana N. Peles, Lian Hong, John D. Simon, Dan-ning Hu, Structural characterization of colored human iridal melanosomes by photoelectron emission microscopy, in Imaging, Manipulation, and Analysis of Biomolecules, Cells, and Tissues VII, Daniel L. Farkas; Dan V. Nicolau; Robert C. Leif, Editors, *Proceedings of the SPIE Vol. 7182,* DOI: 10.1117/12.808257 (2009).

222. Weslyn C. Ward, Fabio A. Zucca, Chiara Bellei, Luigi Zecca, and John D. Simon, Neuromelanins in various regions of human brain are associated with native and oxidized isoprenoid lipids, *Archives of Biochemistry and Biophysics*, **484**, 94–99 (2009).

223. Lian Hong, John D. Simon, The Binding of Cu(II) to human α-Synucleins: Comparison of wild type protein and the point mutations associated with familial Parkinson Disease, *Journal of Physical Chemistry B*¸ **113**, 9551-9561 (2009).

224. John D. Simon, Seeing red: pheomelanin synthesis uncovered, *Pigment Cell and Melanoma Research*, News and Views, **22**, 382-383 (2009).

225. Dana N. Peles, Lian Hong, Dan-Ning Hu, Shosuke Ito, Robert J. Nemanich. John D. Simon, Human iridal stroma melanosomes of varying pheomelanin content possess a common eumelanic outer surface, *Journal of Physical Chemistry B.*, **113**, 11346-11351 (2009).

226. John D. Simon, Dana N. Peles, Kazumasa Wakamatsu, Shosuke Ito, Current Challenges in Understanding Melanogenesis: Bridging Chemistry, Biological Control, Morphology, and Function, Invited review: *Pigment Cell and Melanoma Research*, **22**, 563-579 (2009).

2010

227. Dana. N. Peles, John D. Simon, Direct Measurement of the Ultraviolet Absorption Coefficient of Single Retinal Melanosomes, *Photochemistry and Photobiology*, **86**, 279-281 (2010).

228. Dana N. Peles, John D. Simon, The Ultraviolet Absorption of Human Iridal Melanosomes Decreases with Increasing Pheomelanin Content, *Journal of Physical Chemistry B.* **114**, 9677–9683 (2010).

229. Valerie R. Kempf, Kazumasa Wakamatsu, Shosuke Ito, John D. Simon, Imaging, Chemical and Spectroscopic Studies of the Methylation-Induced Decomposition of Melanosomes, *Photochemistry and Photobiology*, **86**, 765-771 (2010)

230. L.S. Murdaugh, L.B. Avalle, S. Mandal, J. Dillon, J.D. Simon, and E.R. Gaillard, Compositional Studies of Human RPE Lipofuscin, *Journal of Mass Spectrometry*, **45**, 1139–1147 (2010).

231. Lian Hong, Tessa M. Carducci, William D. Bush, Christopher G. Dudzik, Glenn L. Millhauser, and John D. Simon, Quantification of the Binding Properties of Cu^{2+} to the Amyloid-Beta Peptide:. Coordination Spheres for Human and Rat Peptides and Implications on Cu^{2+}-Induced Aggregation, *Journal of Physical Chemistry B* **114**, 11261-11271 (2010).

232. Dana N. Peles, Erica Lin, Kazumasa Wakamatsu, Shosuke Ito, John D. Simon, Ultraviolet Absorption Coefficients of Melanosomes Containing Eumelanin As Related to the Relative Content of DHI and DHICA, *Journal of Physical Chemistry Letters*, **1**, 2391-2395 (2010).

233. Dana N. Peles, John D. Simon, The Red and the Black, *Accounts of Chemistry Research*, **43**, 142-1460 (2010).

2011

234. L.S. Murdaugh, S. Mandal, A. E. Dill, J. Dillon, J.D. Simon, and E.R. Gaillard, Compositional Studies of Human RPE Lipofuscin: Mechanisms of Molecular Modifications, *Journal of Mass Spectrometry*, **46**, 90-95 (2011).

235. Lian Hong, John D. Simon, Insights into Copper Association with Neuropeptides using Isothermal Calorimetry, invited mini-review, themed issue on Metals in Neurodegenerative Diseases *Metallomics*, **3**, 262 – 266 (2011)**.**

236. John D. Simon, Separating melanins into their primary colors: quantifying contributions from eumelanin and pheomelanin. *Pigment Cell Research*, **24**, 593-594 (2011)

237**.** Dana N. Peles and John D. Simon, UV-Absorption Spectra of Melanosomes Containing Varying 5,6-Dihydroxyindole and 5,6-Dihydroxyindole-2-Carboxylic Acid Content, *Journal of Physical Chemistry B*. **115**, 12624–12631 (2011).

2012

238. Erica Lin, Dana N. Peles, The Effect of Dehydration on the Absorption Properties of Intact Melanosomes, *Photochemical and Photobiological Sciences*, **11**, 687 – 691 (2012)

239. Dana N. Peles, John D. Simon, The UV-Absorption Spectrum of Human Iridal Melanosomes: A New Perspective on the Relative Absorption of Eumelanin and Pheomelnain and its Consequences, *Photochemistry and Photobiology*, **88**, 1378–1384 (2012).

240. Keely Glass, Shosuke Ito, Philip R. Wilby, Takayuki Sota, Atsushi Nakamura, Clifford R. Bowers, Jakob Vinther, Suryendu Dutta, Roger Summons, Derek E. G. Briggs, Kazumasa Wakamatsu, John D. Simon**,** Direct Chemical Evidence for Undegraded Eumelanin Pigment from the Jurassic Period, *Proceedings of the National Academy of Science USA*, **109** 10218-10223 (2012).

2013

241. Shosuke Ito, Kazumasa Wakamatsu, Keely Glass, and John D. Simon, Thermally-induced cross-linking of dihydroxyindole moiety in eumelanin, *Analytical Biochemistry*,**434** 221-225 (2013).

242. Jie Hou, Diane M. Szaflarski, and John D. Simon, Quantifying the Association Constant and Stiochiometry of the Complex between Colloidal Polyacrylate-Coated Gold Nanoparticles and Chymotrypsin, *Journal of Physical Chemistry*, 117, 4587-4593 (2013).

243. John D. Simon, Lifelong Learning and Global Engagement Keys to Success, Provost Perspectives, Association of International Education Administers. http://aieaworld.org/publications/provosts-perspectives

244. Gilbert Walker, Patanjali Kambhampati, Carlos Silva, John D. Simon, Biography of Paul F. Barbara, *Journal of Physical Chemistry*, 117, 4157-4159 (2013).

245. Marco d'Ischia, Kazumasa Wakamatsu, Alessandra Napolitano, Stefania Briganti, Jose-Carlos Garcia-Borron, Daniela Kovacs, Paul Meredith, Alessandro Pezzella, Mauro Picardo, Tadeusz Sarna, John Simon, Shosuke Ito, Shosuke, Melanins and melanogenesis: methods, standards, protocols, *Pigment Cell and Melanoma Research,* 26, 616–633 (2013).

246. Mary Jane Simpson, Kelly E. Glass, Jesse W. Wilson, Philip R. Wilby, John D. Simon, Warren S. Warren, Pump-Prove imaging of Jurassic period Eumelanin, *Journal of Physical Chemistry Letters*, **4**, 1924–1927 (2013)

247. Keely Glass, Shosuke Ito, Philip R. Wilby, Takayuki Sota, Atsushi Nakamura, C. Russell Bowers, Suryendu Dutta, Roger Summons, Derek E. G. Briggs, Kazumasa Wakamatsu, John D. Simon, Comparative Study of Eumelanin Preserved in Jurrasic Ink Sacs, *Organic Geochemistry,* **64**, 29-37 (2013)

2014

248. Mary Jane Simpson, Jesse W. Wilson, Francisco E. Robles, Christopher P. Dall, Keely E. Glass, John D. Simon, Warren S. Warren, Near-Infrared Excited State Dynamics of Melanins: the Effects of Iron Content, Photo-Damage, Chemical Oxidation, and Aggregate, *Journal of Physical Chemistry A;* **118** , 993–1003 (2014).

249. John D. Simon, The CAO as Planner: Strategic Planning and the Office of Institutional Research, in *The Provost's Handbook* Eds. James Martin, James E. Samels and Associates, JHU Press.

250. Kelly M. Glass, Shosuke Ito, Philip R. Wilby and John D. Simon, Color of ancient cephalopod ink, in Mcgraw-Hill Education Encyclopedia/Yearbook of Science & Technology 2015, Dec. 2014.

251. Keely Glass, Rolando Rengifo, Fiona Porrka, and John D. Simon, Probing the Surface Cation Binding Sites of Melanosomes using Molecular Rulers, *Journal of Physical Chemistry B.* **118**, 14110 – 14114 (2014).

2015

252. Marco d'Ischia, Kazamasa Wakamatsu, Fabio Cicoira, Eduardo Do Mauro, Jose Carlos Garcia-Barron, Stephane Commo, Ismael Galvan, Ghanem Ghanem, Koike Kenzo, Paul Meredith, Alessandro Pezzella, Clara Santato, Tadeusz Sarna, John D. Simon, Luigi Zecca, Fabio Zucca, Alessandra Napolitano, Shosuke Ito, Melanins and Melanogenesis: From Pigment Cells to Human Health and Technological Applications, *Pigment Cell and Melanoma Research*, accepted for publication.

IN PREPARATION

253. Keely Glass. Philip R. Wilby, Shosuke Ito, Jae Lee and John D. Simon, Isolation and Identification of Amino Acids in Jurassic Fossil Melanin.

254. Dana M. Peles, John D. Simon, Polarization-dependent Photoelecton Emission Microscopy Studies of Intact Melanosomes.

Books

1. John D. Simon, Editor, "Ultrafast Spectroscopy of Chemical Systems" Kluwer, 1994.

2. Harry B. Gray, John D. Simon, William C. Trogler, "Braving the Elements" University Science Books, 1995.

3. Donald A. McQuarrie, John D. Simon, "Physical Chemistry: A Molecular Approach" University Science Books, 1997.

4. Donald A. McQuarrie, John D. Simon, "Molecular Thermodynamics" University Science Books, 1999.

Invited Seminars and Group Participation at Professional Meetings

1985
University of California, San Diego, CA
Christ Church University, New Zealand

1986
SPIE O-E/LASE '86 Symposium, Los Angeles, CA, Session Chair, Contributed Talk.
Ultrafast Phenomena V Conference, Snow Mass, CO
Presidential Young Investigators Symposium, San Diego, CA

1987
SPIE O-E/LASE '87 Symposium, Los Angeles, CA, Session Chair, Contributed Talk.
California Institute of Technology, Pasadena, CA
University of California, Riverside, CA
Co-organizer Nonlinear Spectroscopy Weekend Workshop, Lake Arrowhead, CA.
ACS Meeting, Denver, CO, Poster Presentation
University of California, Irvine, CA
California State Sacramento, Sacramento, CA
University of Minnesota, Minneapolis, MN
University of California, San Diego, San Diego, CA
Gordon Conference on the Chemistry and Physics of Liquids, Plymouth, NH, Oral and Poster Presentation
Pacific Conference on Spectroscopy, Irvine, CA, Oral Presentation
International Meeting on Lasers, Atlantic City, NJ, Oral and Poster Presentations, Session Chairman
Lasers '87, Lake Tahoe, CA, Oral Presentation

1988
SPIE OE/LASE '88, Los Angeles, CA, Invited Speaker
35th Conference on Modern Spectroscopy, Asilomar, CA, Poster Presentations
University of California at Los Angeles, Los Angeles, CA
University of Utah, Salt Lake City, UT
The Role of Nonlinear Dynamics in Reaction Kinetics, Lake Arrowhead, CA
3rd University of California Conference on Statistical Mechanics, Davis, CA, Invited Speaker
Stanford University, Stanford, CA
IBM, San Jose, CA
UCSD, Institute for Nonlinear Studies, San Diego, CA
University of Utah, Salt Lake City, UT
Third Annual MFEL Contractor's Meeting, Salt Lake City, UT, Invited Speaker
A.C.S. Middle Atlantic Regional Meeting, Philadelphia, PA, Poster Presentation
University of California, Davis, CA
Gordon Conference on Dielectric Phenomena, Plymouth, NH, Invited Speaker
Gordon Conference on Water, Holderness, NH, Invited Discussion Leader
University of Houston, Houston, TX
University of Texas at Austin, Austin, TX
Ultrafast Phenomena Symposium of the Electrochemical Society, Chicago, IL, Invited Speaker
Northwestern University, Evanston, IL

Medical and Material Applications FEL Workshop, Los Alamos National Lab, Los Alamos, NM

1989
West Coast Spectroscopy Association Meeting, Asilomar, CA, Invited Speaker
University of Colorado, Boulder, CO
Reed College, Portland, OR
University of Oregon, Eugene, OR
Oregon State University, Corvallis, OR
University of Washington, Seattle, WA
University of Nevada at Reno, Reno, NV
University of California at Riverside, Riverside, CA
University of California at Santa Cruz, Santa Cruz, CA
NSF-SERC Workshop of Molecular Spectroscopy and Dynamics, Princeton, NJ, Invited Speaker
Gordon Conference on Organic Photochemistry, Andover, NH, Invited Speaker
ILS-V, Stanford, CA, Poster Presentations
American Chemical Society National Meeting, Miami, FL, Invited Speaker (2 symposia)
Pacific Conference on Spectroscopy, Pasadena, CA, Contributed Talk
University of Colorado, Boulder, CO
International Meeting of the Electrochemical Society, Hollywood, Fl., Invited Speaker
Workshop on Molecular Reaction Dynamics in Condensed Matter, Irvine, CA , Invited Speaker
Pacific Northwest Laboratories, Richland, WA
University of New Mexico Albuquerque, NM
Colorado State University, Fort Collins, CO
University of Colorado, Boulder, CO
International Chemical Congress of Pacific Basin Societies, Honolulu, HA, Invited Speaker

1990
SPIE Meeting, Los Angeles, CA, Invited Speaker (2 symposia)
West Coast Spectroscopy Association Meeting, Asolimar, CA, Contributed Talk and Poster Presentations
University of Utah, Salt Lake City, UT
4th Annual UC Statistical Mechanics Conference, Santa Barbara, CA, Invited Speaker
Columbia University, New York, NY
University of Pennsylvania, Philadelphia, PA
American Chemical Society National Meeting, Boston, MA, Invited Speaker and Poster Presentations
Ultrafast Phenomena VII, Monterey, CA, Poster Presentation
XVII IQEC, Anaheim, CA Contributed Oral Presentation, Discussion Leader
Gordon Conference on Organometallic Chemistry, Newport, Rhode Island, Invited Speaker
National Institute of Health Meeting on Heme Proteins, Bethesda, MD
The Solvated Electron: Past, Present, and Future, Argonne, IL, Invited Speaker
11th International Meeting on Solution Chemistry, Ottawa, Canada, Invited Plenary Lecture
Gordon Conference on Water, Holderness, NH, Invited Discussion Leader, Poster Presentation
American Chemical Society National Meeting, Washington, D.C., Invited Speaker
International Laser Science Meeting, Minneapolis, MN, Invited Speaker
Massachusetts Institute of Technology, Boston, MA.
Optical Society of America Annual Meeting, Boston, MA, Invited Speaker
Ohio State University, Columbus, OH

Harvard University, Cambridge, MA
Lasers '90, San Diego, CA, 3 Contributed Talks

1991
International Meeting of the SPIE, Los Angeles, CA, Invited Speaker (2 symposia)
West Coast Spectroscopy Association Meeting, Asilomar, CA, Chairman of Conference, Posters
University of California at San Diego, San Diego, CA, Departmental Colloquium
National Meeting of the Biophysical Society, San Francisco, CA, Contributed Talk
University of Southern California, Los Angeles, CA
Williams College, Williamstown, MA, Distinguished Scholar Speaker Program
University of Rochester, Rochester, NY
University of California at Los Angeles, Los Angeles, CA
Gordon Conference on the Chemistry and Physics of Liquids, Holderness, NH, Poster Presentation
FRIS Workshop on Fast Reaction Dynamics, Banff, Alberta, Canada, Invited Plenary Speaker
University of Minnesota, Minneapolis, MN

1992
Inter-American Photochemical Society Meeting, Clearwater Beach, Fl, Invited Speaker
SPIE Meeting on Condensed Phase Chemical Processes, Los Angeles, CA, Invited Speaker
West Coast Spectroscopy Association Meeting, Asilomar, CA, Poster Presentations
California Institute of Technology, Pasadena, CA
Dartmouth University, Hanover, NH
San Diego State University, San Diego, California
Pacific Northwest Laboratories, Pasco, WA, Invited Plenary Speaker
Pacific Northwest Laboratories, Pasco, WA, Invited Lecture at MSRC
Ultrafast Phenomena VIII, Antibes-Juan-Les-Pins, France, Contributed Talk
Reaction Processes in Solution Workshop, Telluride, CO, Invited Speaker
High School Teachers Workshop, Poway, CA, Invited Speaker
Continuing Education, La Jolla, CA, Seven Half-Day Lectures
ACS National Meeting, Washington, D.C., Invited Speaker
FACSS Meeting, Philadelphia, PA, Invited Speaker
University of Pennsylvania, Philadelphia, PA
Pennsylvania State University, College Station, PA
University of Wisconsin, Madison, WI
University of Northern Illinois, Dekalb, IL
Argonne National Laboratory, Argonne, IL

1993
Elementary School Teachers Workshop, UCSD, La Jolla, CA
Washington University, St. Louis, MI
High School Teachers Workshop, UCSD, La Jolla, CA
Duke University, Durham, NC
University of North Carolina, Chapel Hill, NC
University of California at Santa Cruz, Santa Cruz, CA
Ultrafast Reaction Dynamics and Solvent Effects, Royaumont, France, Invited Speaker and Member of Organizing Committee
Elementary School Teachers Workshop, National City, CA

Elementary School Teachers Workshop, Vista, CA
International Conference on Photochemistry, Vancouver, Canada, Poster Presentation
Gordon Conference on the Chemistry and Physics of Liquids, Holderness, NH, Invited Speaker
International Conference on Luminescence and Optical Spectroscopy of Condensed Matter, Storrs, CT, Contributed Talk
Georgetown University, Washington, D.C.
Physics Colloquium, UCSD, La Jolla, CA
Western Regional ACS Meeting, Pasadena, CA, Invited Speaker, Contributed Talk
Vanderbilt University FEL Center, Nashville, TN
Vanderbilt University, Nashville, TN
UCLA, Los Angeles, Ca, Molecular Spectroscopy Symposium in honor of M. A. El-Sayed, Invited Speaker and co-organizer

1994
West Coast Spectroscopy Meeting, Asilomar, CA, Contributed Posters
Brown University, Providence, RI
Princeton University, Princeton, RI
ACS National Meeting, San Diego, CA, Invited Talks (2 symposia)
University of Illinois, Urbana-Champagne, IL
Vanderbilt University, Nashville, TN, Invited Physics Colloquium
Ultrafast Phenomena IX, Dana Point, CA, Contributed Posters
International Meeting on Raman Spectroscopy, Hong Kong, Invited Speaker, Poster Presentation
ACS National Meeting, Washington, D.C., Invited Speaker (2 symposia)

1995
University of Michigan, Ann Arbor, MI
Center for Ultrafast Optical Sciences, Ann Arbor, MI
Biophysical Society Meeting, San Francisco, CA, Contributed Talk
ACS National Meeting, Anaheim, CA, Poster Presentation
Seventh International Conference on Time-Resolved Vibrational Spectroscopy, Sante Fe, NM, Invited Speaker, Poster Presentations
31st Annual ACS Western Regional Meeting and 4th Annual San Diego Biotech Exposition, Contributed Talk
IX International Symposium on Ultrafast Processes in Spectroscopy, Treiste, Italy, Invited Speaker
University of Kansas, Lawrence, KA

1996
Indiana University, Bloomington, IN
University of Rochester, Rochester, NY
Ultrafast Phenomena X, San Diego, CA, Contributed Talk
CLEO/ILS, Anaheim, CA, Contributed Talk
24th Meeting of the Photochemistry/Photobiology Society, Atlanta, GA, Poster Presentations
Gordon Conference on Vibrational Spectroscopy, New England College, NH, Invited Speaker
12th International Congress on Photobiology, Vienna, Austria, Poster Presentation
Duke University, Durham, NC
Cornell University, Ithaca, NY

1997

American Chemical Society National Meeting, San Francisco, CA, Poster Presentations
National Meeting of the American Photobiological Society, St. Louis, MI, Contributed Talk and Poster Presentation
XVIII International Conference on Photochemistry, Warsaw, Poland, Contributed Talk

1998

Inter-American Photochemical Society, Clearwater Beach, Fl, Invited Speaker
California Institute of Technology, Pasadena, CA
American Society for Photobiology, Contributed Talk and Poster Presentations
8th Annual Meeting of the Pan-American Society for Pigment Cell Research, Snowmass, CO, Contributed Talk
Healthy Woman Report on Good Morning America
The World Today", BBC Radio
Eastern Carolina University
Southeast Regional ACS Meeting, Durham, NC, Invited Speaker, Contributed Talk, Poster Presentations
National Academy of Sciences: Frontiers in Science, Irvine, CA, Invited Speaker

1999

Femtosecond Spectroscopy Symposium, Atlanta, GA, Plenary Lecture
University of North Carolina, Chapel Hill, NC
Annual Meeting of the Biophysical Society, Baltimore, MD, Poster Presentation
University of Chicago, Gerhard Closs Lecture Series
Department of Biochemistry, Duke University
North Carolina State University, Raleigh, NC
Centennial Meeting of the American Physical Society, Atlanta, GA Invited Speaker, Contributed Talk, Poster Presentation
William and Mary College, Williamsburg, VA
North Carolina Local ACS Meeting, Chapel Hill, NC, Contributed Talk, Poster Presentations
Florida Local ACS Meeting, Award Symposium in Honor of Mostafa A. El-Sayed, Invited Speaker
Annual Meeting of the Society of Cosmetic Chemists, Chicago, IL, Contributed Talk
Society for Investigative Dermatology, Chicago, IL, Poster Presentations
Annual Meeting of the American Society for Photobiology, Washington, DC. Contributed Talk
International Conference on Photochemistry: (Co-Chair of Meeting), Poster Presentations
European Society for Photobiology, Granada, Spain, Invited Speaker
Florida Meeting of the Cosmetic Chemistry Society, Orlando, Fl, Plenary Lecture
XVII International Pigment Cell Conference, Nagoya, Japan, Poster Presentations

2000

Inter-American Photochemical Society, Clearwater Beach, Fl, Poster Presentation
Distinguished Professor Luncheon Series, Duke University, Durham, NC
Wake Forest University, Winston-Salem, NC
Harvard University, Cambridge, MA
Colorado State University, Fort Collins, CO

University of Colorado, Boulder, CO
Carnegie Melon University, Pittsburgh, PA
Photobiology Congress, San Francisco, CA, Invited Speaker, Contributed Talk, Posters
Ultrafast Phenomena, Charleston, SC, Poster Presentation
XVIII IUPAC Symposium on Photochemistry: Virtual Poster Session
Laser Applications in Life Sciences, Tokyo, Japan, Invited Speaker, Poster Presentations
The 6th International Conference on Near Field Optics and Related Techniques, University of Twente, The Netherlands, Poster Presentation
Unilever Research US, Edgewater, NJ
Southeast Regional Meeting on Optoelectronics, Photonics and Imaging, Charlotte, NC, Contributed Talk
Biochemistry Department Retreat, Wrightsville Beach, NC
Duke University, Durham, NC, Department of Ophthalmology
Franklin and Marshall College
University of Pennsylvania, Philadelphia, PA
University of Kansas, Lawrence, KA
Jagiellonian University, Department of Molecular Biophysics, Krakow, Poland
Pacifichem, Honolulu , HA, Poster Presentation

2001
Georgia Institute of Technology, Atlanta, GA
5th UNCW Symposium on Chemistry and Biochemistry, Wilmington, NC, Invited Speaker
National Meeting of the American Chemical Society, San Diego, CA, Contributed Talk
National Institutes of Environmental Health Sciences, Research Triangle Park, NC
ARVO, Fort Lauderdale, Fl, Contributed Posters
Photoprotection, European Society for Photobiology Symposium, Krakow, Poland, Invited Speaker
Jagiellonian University, Department of Molecular Biophysics, Krakow, Poland
Annual Meeting of the American Society for Photobiology, Chicago, Il, Invited Speaker, Contributed Talks and Posters
15th Symposium of the Protein Society, Philadelphia, PA, Poster Presentation
European Society for Photobiology, Lillehammer, Norway, Invited Speaker, Contributed Talk
9th European Conference on the Spectroscopy of Biological Molecules, Prague, Invited Speaker
European Pigment Cell Society, Rome, Italy, co-author Invited Talk
Biochemistry Department Retreat, Wrightsville Beach, NC
8th Annual Meeting of the Oxygen Society, Research Triangle Park, NC, Posters

2002
Shepens Eye Research Institute, Boston, MA
University of California at Davis
University of California at Santa Cruz
Symex Corporation, San Jose, CA
Molecular Biophysics Seminar Series, Duke University Medical Center
American Chemical Society National Meeting, Orlando, FL
Davidson College, Davidson, NC
Unilever Research USA
ARVO, Fort Lauderdale, Fl

Beckman Scholar Program Lecture Series, Duke University, Durham, NC
High School Teacher Outreach Program at Duke University
Georgia Institute of Technology, Atlanta, GA
American Society for Photobiology, Quebec City, Quebec
Biochemistry Department Retreat, Blowing Rock, NC
XVIII International Pigment Cell Conference, Egmond aan Zee, The Netherlands
Vanderbilt University, Nashville, TN
Oxygen Society Meeting, San Antonio, TX
Procter and Gamble, Cincinnati, OH
Wellman Laboratories, Harvard University, Boston, MA

2003
InterAmerican Photochemistry Society Meeting, Clearwater, FL
Department Colloquium, Duke University, Durham, NC
American Physical Society, Austin, TX
Biophysical Society, San Antonio, TX
Experimental Biology 2003, San Diego, CA
University of Ottawa, Ottawa, Canada
National Institutes of Health, Bethesda, MD
Department of Biology, Duke University, Durham, NC
Fitzpatrick Center for Photonics and Communications Sciences, Durham, NC
Gordon Conference on Mycotoxins and Phycotoxins, Waterville, MN
American Society for Photobiology, Baltimore, MD
Gordon Conference on Photochemistry, Mt. Holyoke, MA
Pan American Pigment Cell Society, Cape Cod, MA
European Society for Photobiology, Vienna, Austria
European Pigment Cell Society, Ghent, Belgium
Wellesley College, Wellesley, MA
Biochemistry Department Retreat, Wrightsville Beach, NC
Southeast Regional ACS Meeting, Atlanta, GA

2004
Procter and Gamble, Cincinnati, OH
FASEB, Washington, DC
U.S. Food & Drug Administration, Jefferson, AR
Pigment Cell Development Workshop, NIH
National Institute of Environmental Health Sciences, RTP, NC
ICP2004, ASP Plenary Lecturer, Chechu, Korea
Allergan, Irvine, CA
Pan American Pigment Cell Society, Invited Lecture, Newport Beach, CA
American Society for Photobiology, Seattle, WA
Free Electron Laser Laboratory, Durham, NC
Procter and Gamble, Cincinnati, OH
Williams College
SERMACS, Research Triangle Park, NC

2005
FEL Workshop, Durham, NC
Congress on Ophthalmology and Optometry China, Shanghai (K. Wakamatsu)
46th Experimental Nuclear Magnetic Resonance Conference, Providence, RI (L. Hong)
Moderator, Duke Frontiers, Durham, NC
American Society for Mass Spectrometry (W. Ward)
ACS National Meeting, Washington DC, invited talk
LCMS 2005, Ithaca, NY (W. Ward)
Fitzpatrick Optics Center, Duke University
European Photobiology Meeting, Aix-les-Bains, France (W. Bush, W. Ward)
International Pigment Cell Congress, Washington DC (W. Bush, L. Hong, W. Ward)
Medical Free Electron Laser Meeting, Palo Alto, CA

2006
Wake Forest University, Department of Physics
University of North Carolina, UNC Melanoma Interest Group
NC Distinguished Speaker, NC Regional ACS, Durham, NC
American Society for Mass Spectrometry, Indianapolis, IN (W. Ward)
American Council on Education, Fellows Opening Seminar, Lisle, IL
European Pigment Cell Society Meeting, Barcelona, Spain (J. Hatcher, W. Ward, D. Bush)

2007
American Council on Education, Mid-Year Seminar, Burlingame, CA
Seeing is Believing, The Future of Molecular and Biomolecular Imaging, Durham, NC
Carolina Photonics Day, Durham, NC (opening remarks)
Mass Spectroscopy Symposium, Nashville, TN (W. Ward)
American Society for Mass Spectrometry, Indianapolis, IN (W. Ward, oral presentation)
Southeastern ACS Regional Meeting, Durham, NC (W.Ward)
Current Trends in Microcalorimetry, Boston, MA (D. Bush, J. Hatcher)
Gordon Conference on Photochemistry, Bryant University, RI (Invited)
Chemistry and Physics of Lipids Gordon Conference, Holderness, NH (W. Ward)
Materials Research Society, San Francisco, CA (W. Kong)
National Meeting of the American Chemical Society, Boston, MA (J. Hatcher)
European Society for Pigment Cell Research, Bari, Italy (Invited, Dana Peles, Luigi Zecca)

2008
Materials Research Society, San Francisco, CA (R. Nemanich)
American Chemical Society National Meeting, New Orleans, LA (T. Carducci)
Pfizer, La Jolla, CA
American Society for Photobiology Meeting, Burlingame, CA (invited and Award talk)
Protein Society Annual Meeting, San Diego, CA (L. Hong)
American Chemical Society National Meeting, Philadelphia, PA (T. Carducci)
Oberlin College, Oberlin, OH

2009
SPIE Photonic West, San Jose, CA (D. Peles)

"Evaluating Research Performance: What Publishers Should Know Today"; Professional & Scholarly Publishing Annual Meeting (Invited Speaker/Panel Participant)
Association for Research in Vision and Ophthalmology, Ft. Lauderdale, Fl (E. Gaillard)
American Chemical Society National Meeting, Washington DC (L. Hong)
European Photobiology Society Meeting, Worclaw, Poland (D. Peles)

2010
Duke Leadership Academy, Durham, NC
UNDP Pilot Leadership Program, DCID, Durham, NC
American Council on Education: Leadership Workshop, Rochester, NY
COFHE: Academic Assessment and Accreditation Panel, Smith College, North Hampton, MA
Executive education program on management and innovation of higher education for academic leaders from the city of Xi'an, China, DCID, Durham, NC

2011
NC Society of Toxicology, Research Triangle Park, NC (J. Hou, D. Szaflarski)
Facilitating Interdisciplinary Research and Education, Boulder, CO (S. Roth)
American Council on Education: Leadership Workshop, Madison, WI
International Pigment Cell Conference, Bordeaux, France (Keely Glass)

2012
244th National Meeting of the American Chemical Society, Philadelphia, PA (Keely Glass)
Convocation Speaker, University of Virginia
Keynote Speaker, Library Assessment Conference, Charlottesville, VA
Pan American Pigment Cell Research, Park City, UT (Keely Glass)

2013
SERMACS, Atlanta, GA (Symposium in Honor of Mostafa El-Sayed)

2014
Staying Ahead of the Curve: Successful Strategic Planning, University Leadership Summit, Eau Palm Beach, FL

Ph.D. Students and Dissertations

A. UCSD

Shyh-Gang Su (1989)
The intramolecular electron transfer reactions and solvation dynamics of twisted intramolecular charge transfer molecules in alcohols

Xiaoliang Xie (1990)
Picosecond time resolved circular dichroism spectroscopy

Peggy A. Thompson (1992)
Electrolyte effects on the dynamics of chemical reactions in solution

Messmer, Marie Cecilia (1992)
Picosecond laser studies of charge transfer reactions

Dunn, Robert Conley (1993)
Condensed phase dynamics of OCIO

Doolen, Robert Douglas (1994)
Picosecond dynamics of charge transfer reactions in solution

Deuel, Hans Pascal (1995)
Condensed phase anisotropic librational dynamics

Kerry M. Hanson (1998)
A Spectroscopic Investigation of the Epidermal Chromophore trans-Urocanic Acid

B. Duke University

Nofsinger, J.Brian (2001)
Toward an Understanding of Structure-Function Relationships for Eumelanin

Grynaviski, Nicole H. (2002)
Application and Development of a Spectrally-Resolved Confocal Microscope: A Study of Lipofuscin Emission Properties

Perry, Jennifer L. (2003)
Transport and Toxicity of Ochratoxin A

Kempf, Valerie R. (2005)
Structural and Functional Studies of *Sepia* and Human Melanins

Hong, Lian (2006)
Physiochemical Properties of Ocular Melanosomes

Bush, William D. (2008)
Biophysical Studies of Melanins and Amyloid-β Peptides

Weslyn Ward (2008)
Molecular Analyses of Melanins and Neuromelanins

Dana Peles (2011)
Applications of Photoemission Electron Microscopy to Melanin and Melanosomes

Keely Glass (2014)
Chemical and Physical Analysis of Melanin in Complex Biological Matrices

M.A. Students
A. UCSD
Honkanen, Mark (1987)
Harrison, Blair (1997)

B. Duke University
Lamb, Laura (2004)

Post Doctoral Fellows and Visiting Scientists
A. UCSD

Dr. Richard Kanner, 1988 - 1990
Ph. D., University of California, Los Angeles

Dr. Peijun Cong, 1992 - 1995
Ph. D., California Institute of Technology

Dr. Yong Joon Chang, 1994 - 1996
Ph. D., Louisiana State University

Dr. Bulang Li, 1994 - 1996
Ph. D., University of Rochester

B. Duke University

Dr. Susan Forest, 1996 – 1999
Ph. D., University of Michigan

Dr. Michael Stimson, 1997 – 1999
Ph. D., Cornell University

Dr. Maurice Edington, 1998-1999
Ph. D., Vanderbilt University

Dr. Shannon Studer-Martinez, 1998-1999

Ph. D., University of South Carolina

Dr. Stuart Pullen, 1998 - 1999
Ph. D., University of Michigan

Dr. Chris Clancy 1999-2000
Ph. D., University of North Carolina

Dr. Yuri Il'ichev 1999-2002
Ph. D., Moscow State University

Dr. Tong Ye 1999-2002
Ph. D., Xi'An Institute of Optics, PRC

Dr. Yan Liu 2001-2004
Ph. D., Columbia University

Dr. Malgorzata Rozanowska 2002-2003
Ph. D., Jagiellonian Univeristy

Dr. Alexander Samokhvalov 2002-2004
Ph. D. Weizmann Institute of Science

Dr. Lian Hong 2006-2010
Ph. D. Duke University

Dr. Jacob Garguilo 2006-2007
Ph. D. North Carolina State University

Dr. Lanying Hatcher 2005-2008
Ph. D. Johns Hopkins University

Dr. Jie Hou 2009-2011
Ph. D. Wuhan University

Independent Undergraduate Research Study Students, Duke University

Kirby Drake 1998 - 1999
James Floyd 1998 - 2000
Amanda Harris 1998 - 1999
Carla Ranson 1999 - 2000
Marcos Garcia 1999-2000
Kate Gold 1999-2000
R. Kyle Hanks 1999-2000
Emily Weinert 2000-2001
Ryan Combes 2000
Sotirios N. Plakoudas 2000-2001
T. Richard Williams 2000-2004
George Whitener 2001-2002
Jamal McClendon 2001-2003
Margaret Wat 2002-2003
Carmenetta Mitchell 2003-2004
Anay Patel 2005
Laura Anzaldi, 2005
Ciara Nugent, 2005-2006
William Lee 2005-2007
Mark Johnson 2006 - 2007

Erin Lamb 2006-2007
Tessa Carducci 2007-2009
Alexander Pratt 2007-2008
Richard Garling 2006-2008
Virginia Workman 2008-2009
Allison Elia 2008-2009
Erica Lin 2010
Rolando Rengifo 2010

Project SEED High School Students

Jill Homer 1998
Shakara Tate 1998, 1999
Maaz Aziz 1999
Princeton Leathers 2009