# DEBORAH M. HUSSEY FREELAND, J.D., PH.D.

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## **EDUCATION**

STANFORD LAW SCHOOL

Stanford, CA

Juris Doctor

May 2003

Honors: Intellectual Property Writing Award; American Association of University Women Selected

Professions Fellowship.

STANFORD UNIVERSITY

Stanford, CA

Ph.D., Interdepartmental Program in Biophysics

Sept. 1998

Thesis: Theoretical Analysis, Simulations and Experimental Investigations of Electronic Excitation

Transport in Polymer Composites

Honors: Stanford Center on Conflict and Negotiation Graduate Fellowship; National Science Foundation

Minority Graduate Fellowship; National Science Foundation Graduate Fellowship Honorable

Mention; Soroptimists International Dissertation Fellowship.

VASSAR COLLEGE Poughkeepsie, NY

### B.A., Double Major in Cognitive Science and Biochemistry

May 1987

Thesis: Metaphor and Structures of Information (Cognitive Science Honors Thesis)

Honors: Honorary Vassar Fellowship; National Science Foundation Incentives for Excellence Prize to

Vassar College on behalf of D. Hussey; Vassar Academic Internship in Neurobiology; Vassar Academic Internship in Computing; Vassar URSI Fellowship; Vassar Tri-Beta Biology Honor

Society.

### SELECTED EXPERIENCE

# University of San Francisco School of Law

San Francisco, CA May 2008 – present

Associate Professor

Research: Law & Science. Teaching: Science and the Law, Civil Procedure, Evidence. Service: AALS New Law Professors Executive Committee, International Legal Ethics V Committee, University of San Francisco Institutional Review Board, Social Justice Committee, Academic Support Program Committee, Advisor to Women's Law Association.

STANFORD UNIVERSITY, FREEMAN SPOGLI INST. FOR INTERNATIONAL STUDIES Stanford, CA Visiting Scholar

STANFORD LAW SCHOOL Stanford, CA

Research Assistant

OBERLIN COLLEGE Oberlin, OH

Visiting Assistant Professor and Minority Scholar-in-Residence

STANFORD UNIVERSITY, FREEMAN SPOGLI INST. FOR INTERNATIONAL STUDIES Stanford, CA

Science Fellow

STANFORD UNIVERSITY Stanford, CA

Stanford Center on Conflict and Negotiation Graduate Fellow

STANFORD UNIVERSITY, INTERDEPARTMENTAL PROGRAM IN BIOPHYSICS Stanford, CA

NSF Graduate Fellow, Soroptimist Dissertation Fellow

COOLEY GODWARD LLP Palo Alto, CA

Associate

SHEARMAN & STERLING LLP Menlo Park, CA

Summer

U. S. GEOLOGICAL SURVEY Stanford, CA

**External Collaborator** 

BAR ADMISSIONS: State Bar of California; United States Patent & Trademark Office

**LANGUAGES**: Fluent in written and oral Spanish. Proficient in written French.

#### SELECTED PUBLICATIONS

#### LAW

"What Is a Lawyer? A Reconstruction of the Lawyer As an Officer of the Court," Deborah M. Hussey Freeland (forthcoming, *St. Louis University Public Law Review*)

"Maieusis Through a Gated Membrane: 'Getting the Science Right' in Public Decisionmaking," Deborah M. Hussey Freeland, 26 Stan. Envtl. L.J. 373 (2007).

"The Sine Qua Non of Copyright," Deborah M. Hussey, 51 J. Copyright Soc. of the U.S.A. 763 (2004).

## **SCIENCE**

"Phase Separation in Binary and Ternary Polymer Composites Studied with Electronic Excitation Transport," Deborah M. Hussey and M. D. Fayer, *Macromolecules* 32, 6638 (1999).

"Monte Carlo Simulations of Electronic Excitation Transfer in Polymer Composites: Comparison to Theory," Deborah M. Hussey, Stephan Matzinger, and M. D. Fayer, *J. Chem. Phys.* 109, 8708 (1998).

"Fluorescent Probe Solubilization in the Head Group and Core Regions of Micelles: Fluorescence Lifetime and Orientational Relaxation Measurements," Stephan Matzinger, Deborah M. Hussey, and M. D. Fayer, *J. Phys. Chem. B* 102, 7216 (1998).

"Electronic Excitation Transfer as a Probe of Phase Behavior in Polymer Composites," Deborah M. Hussey, Lukas Keller, and M. D. Fayer, *SPIE Proceedings: Advances in Fluorescence Sensing Technology III* 2980, 446 (1997).

"Theory of Electronic Excitation Transfer in Polymer Micelles and Lamellae," D. M. Hussey, L. Keller, and M. D. Fayer, *Molecular Crystals and Liquid Crystals* 283, 173 (1996).

"Nanodomain Formation and Phase Separation in Polymer Blends," Deborah M. Hussey, Lukas Keller, Nathan A. Diachun, A. H. Marcus, and M. D. Fayer, *SPIE Proceedings: Fluorescence Detection IV* 2705, 136 (1996).

"Calculations of Electronic Excitation Transfer: Applications to Ordered Phases in Polymeric Materials," L. Keller, D. M. Hussey, and M. D. Fayer, *J. Phys. Chem.* 100, 10257 (1996).

"Effects of Melittin on Molecular Dynamics and Calcium-ATPase Activity in Sarcoplasmic Reticulum Membranes: Time-Resolved Optical Anisotropy," John Voss, Woubalem Birmachu, Deborah M. Hussey, and David D. Thomas, *Biochemistry* 30, 7498 (1991).

Acknowledgments in *Nature: Structural Biology* 1, 195 (1994), *Evolution* 44, 1164 (1990) and *Journal of Personality and Social Psychology* 53, 257 (1987).

# **INVITED PRESENTATIONS (SELECTED)**

LAW AND SOCIETY ASSOCIATION 2012 INTERNATIONAL CONFERENCE Legal Education in Working with Science and Scientists	June 2012
UNIVERSITY OF NEVADA LAS VEGAS WILLIAM S. BOYD SCHOOL OF LAW What Is a Lawyer?: A Reconstruction of the lawyer As an Officer of the Court	Apr. 2012
LAW AND SOCIETY ASSOCIATION EARLY CAREER WORKSHOP Ethics in Translation Between Law and Science	May 2011
STANFORD LAW SCHOOL BIOLAW AND HEALTH POLICY SOCIETY; WOMEN OF STANFORD LAINTER INTERPRETATION OF STANFORD LAY	W <i>May 2011</i>
<b>DERECHOS: STANFORD UNIVERSITY'S LATINO PRE-LAW SOCIETY</b> The Intersections of Science and Law	Jan. 2011
SANTA CLARA LAW What Is a Lawyer?: A Reconstruction of the lawyer As an Officer of the Court	Oct. 2010
UNIVERSITY OF THE PACIFIC, McGEORGE SCHOOL OF LAW What Is a Lawyer?: A Reconstruction of the lawyer As an Officer of the Court	Sept. 2010
BAY AREA CIVIL PROCEDURE FORUM Maieutic Ethics of Representation: How Civil Procedure Comes to Life	Sept. 2009

# DEBORAH M. HUSSEY FREELAND, J.D., PH.D.

UNIVERSETY OF SAN ED ANCISCO SCHOOL OF LAW	L.L. 2000
UNIVERSITY OF SAN FRANCISCO SCHOOL OF LAW Science and the Law	July 2009
UNIVERSITY OF CALIFORNIA, LOS ANGELES SCHOOL OF LAW Critical Race Studies 2009 Symposium: Race in Colorblind Spaces: invited participant	Mar. 2009
UNIVERSITY OF SAN FRANCISCO SCHOOL OF LAW "Maieusis Through a Gated Membrane: Getting the Science Right in Public Decisionmaking"	Jan. 2008
UNIVERSITY OF THE PACIFIC, MCGEORGE SCHOOL OF LAW "Maieusis Through a Gated Membrane: Getting the Science Right in Public Decisionmaking"	Nov. 2007
UNIVERSITY OF MISSOURI-COLUMBIA, SCHOOL OF LAW "Maieusis Through a Gated Membrane: Getting the Science Right in Public Decisionmaking"	Nov. 2007
UNIVERSITY OF CALIFORNIA, HASTINGS COLLEGE OF THE LAW "The Gated Membrane: Getting the Science Right in Public Decisionmaking"	Oct. 2006
FEMINIST RESEARCH SERIES, OBERLIN COLLEGE "Women and Socialization in Science"	Mar. 2000
U.S. GEOLOGICAL SURVEY CENTER FOR SCIENCE POLICY "What are the Social Responsibilities of Scientists?"	Oct. 1999
CENTER FOR INTERNATIONAL SECURITY AND COOPERATION "Environmental Issues as Security Issues"	Oct. 1999
STUDENT PUGWASH USA 20TH ANNIVERSARY CONF. ON SCIENCE AND SOCIAL RESPONSIBILITY IN THE NEW MILLENNIUM  June 1999	
As Co-Rapporteur, wrote and presented Report of the Science, Technology and Culture Working	Group
STANFORD STUDENT PUGWASH "Bioethics"	May 1999
WOMEN TRANSFORMING THE PUBLIC: AN INTERNATIONAL CONFERENCE "Women and Socialization in Science"	Apr. 1999
OBERLIN COLLEGE "Theoretical Analysis, Simulations, and Experimental Investigations of Electronic Excitation Transpolymer Composites"	<b>Mar. 1999</b> nsfer in
POMONA COLLEGE "From Lab to Life: How Science Enters Society"	Mar. 1999
COLORADO COLLEGE "Making and Using Environmental Science: From Polymers to Policy"	Mar. 1999
MACARTHUR CONSORTIUM SYMPOSIUM ON THE CHALLENGES OF URBAN SUSTAINABILITY Invited session moderator and discussant	Feb. 1999
THE SECOND PAUL FLORY CONFERENCE "Phase Separation in Binary and Ternary Polymer Composites: Studies with Electronic Excitation	Feb. 1999 Transport'
GORDON RESEARCH CONFERENCE ON POLYMER PHYSICS "Theory, Simulations, and Experimental Investigations of Electronic Excitation Transfer Composites"	Aug. 1998 in Polymer
SANTA FE INSTITUTE WORKSHOP ON THE EVOLUTION OF SCIENTIFIC KNOWLEDGE Discussant	May 1998
SANTA FE INSTITUTE "What Counts as a Model?"	Mar. 1998
SANTA FE INSTITUTE "Theoretical Analysis, Simulations, and Experimental Investigations of Electronic Excitation Polymer Composites"	Mar. 1998  1 Transfer in
MATERIALS CHEMISTRY: CHALLENGES AND OPPORTUNITIES IN INDUSTRY AND ACADEME As invited Session Chair, "Electronic Excitation Transfer: Application to Ordered Phases Materials"	Jan. 1996 in Polymeric

Materials"

### **CONFERENCE PRESENTATIONS (SELECTED)**

### ANNUAL MEETING OF THE LAW AND SOCIETY ASSOCIATION

Jun. 2011

Law and Science: A Meeting of the Minds

THE 90TH ANNUAL MEETING OF THE AAASPD: SUSTAINABILITY IN AN EVOLVING WORLD Speaking Science to Law

Aug. 2009

THE AAAS ANNUAL MEETING: SCIENCE AND TECHNOLOGY FOR SUSTAINABLE WELL-BEING

"The Gated Membrane: 'Getting the Science Right' in Public Decisionmaking"

Feb. 2007

THE FIRST PAUL FLORY CONFERENCE

Jan. 1998

"Theory and Monte Carlo Simulations of Electronic Excitation Transfer in Polymer Composites," Deborah M. Hussey, Stephan Matzinger, and Michael D. Faver

## WESTERN SPECTROSCOPY ASSOCIATION

Jan. 1998

"Theory and Monte Carlo Simulation of Electronic Excitation Transfer in Polymer Composites." Deborah M. Hussey, Stephan Matzinger, and Michael D. Faver

#### AMERICAN CHEMICAL SOCIETY NATIONAL MEETING

"Nanophase Separation of Polymer Blends: Molecular Structure and Critical Behavior," Deborah M. Hussey, Lukas Keller, and Michael D. Fayer

### INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING

Feb. 1997

"Electronic Excitation Transfer as a Probe of Phase Behavior in Polymer Composites," Deborah M. Hussey, Lukas Keller, and Michael D. Faver

# AMERICAN CHEMICAL SOCIETY PACIFIC CONFERENCE: CHEMISTRY & SPECTROSCOPY

Oct. 1996

"Electronic Excitation Transfer Studies of Polymer Blend Phase Behavior," Deborah M. Hussey, Lukas Keller, and Michael D. Faver

### 10TH ANNUAL WILLIAM S. JOHNSON SYMPOSIUM IN ORGANIC CHEMISTRY

Oct. 1995

"Nanodomain Formation and Phase Separation in Polymer Blends," Deborah M. Hussey, Lukas Keller, Nathan A. Diachun, Andrew H. Marcus, and Michael D. Fayer

# 7TH INTERNATIONAL CONFERENCE ON UNCONVENTIONAL PHOTOACTIVE SYSTEMS

Sept. 1995

"Theory of Electronic Excitation Transfer in Polymer Micelles and Lamellae," Deborah M. Hussey, Lukas Keller, and Michael D. Faver