

Milton and Francis Clauser Doctoral Prize Recipients

YEAR	NAME	OPTION	THESIS TITLE
1981	Dr. Marc Davis	BI	Programmed DNA Rearrangements During Differentiation: Immunoglobulin Class Switching.
1982	Dr. Bruce L. Granger	BI	Composition and Function of Intermediate Filaments in Avian Muscle Cells and Erythrocytes.
1983	Dr. Yaser Abu-Mostafa	EE	Complexity of Information Extraction.
1984	Dr. Lawrence Charles Katz	BI	Intrinsic Connectivity of Identified Projection Neurons In Cat Visual Cortex Brain Slices.
1985	Dr. Donna Livant	BI	The Size of a Murine Heavy Chain Variable Region Gene Family: Implications for the Magnitude and Evolution of the VH Locus in Mouse.
1985	Dr. Eugene Humphreys	GPS	Studies of Crust-Mantle System Beneath Southern California.
1986	Dr. William J. Dally	CS	A VLSI Architecture for Concurrent Data Structures.
1987	Dr. Gregory Voth	CH	Theoretical Studies of Intramolecular Dynamics and Energy Redistribution.
1988	Dr. Jean-Laurent Rosenthal	SS	The Fruits of Revolution.
1989	Dr. David H. Chow	APH	Growth, Characterization, and Simulation of Novel Semiconductor Tunnel Structures.
1989	Dr. Jennifer Normanly	BI	An In Vivo Approach to tRNA Identity.
1990	Dr. Chaitan Khosla	CHE	Vitreoscilla Hemoglobin: Gene Structure and Regulation, Function, and Applications to Aerobic Bioprocesses.
1991	Dr. John Lincoln Bowman	BI	Molecular Genetics of Flower Development in <i>Arabidopsis thaliana</i> .
1991	Dr. Marcos Dantus	CH	Femtosecond Transition-State Spectroscopy of Chemical Reactions.
1992	Dr. Misha Mahowald	CS	VLSI Analogs of Neuronal Visual Processing: A Synthesis of Form and Function.
1993	Dr. Jongsun Kim	CH	Crystallographic Structures and Functional Implications of Nitrogenase Molybdenum-Iron Proteins from <i>Azotobacter vinelandii</i> and <i>Clostridium pasteurianum</i> .
1994	Dr. Paul Tackley	GPS	Three-Dimensional Models of Mantle Convection: Influence of Phase Transitions and Temperature-Dependent Viscosity.
1995	Dr. Eric Cumming	AE	Laser-Induced Thermal Acoustics.
1996	Dr. Fernando Paganini	EE	Sets and Constraints in the Analysis of Uncertain Systems.

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1997	Dr. Daniel Kennefick, Jr.	PH	Radiation Reaction in Binary Systems in General Relativity.
1998	Dr. Benjamin Owen	PH	Gravitational Waves from Compact Objects.
1999	Dr. Dongping Zhong	CH	Femtosecond Molecular Dynamics of Complex Reactions.
2000	Dr. Marie Csete	BI	Less is More: Oxygen and Stem Cell Regeneration.
2001	Dr. Yiqin Gao	CH	Theory of Ozone Isotopic Effects and Various Electron Transfer Reactions.
2002	Dr. Gabriel Kreiman	BI	On the Neuronal Activity in the Human Brain During Visual Recognition, Imagery and Binocular Rivalry.
2003	Dr. Benjamin Paul Weiss	GPS	Martian Paleomagnetism with the SQUID Microscope.
2004	Dr. David Lior Ariel Kaplan	AY	The Diversity of Neutron Stars: Nearby Thermally Emitting Neutron Stars and the Compact Central Objects in Supernova Remnants.
2005	Dr. William C. Jones	PH	A Measurement of the Temperature and Polarization Anisotropies in the Cosmic Microwave Background.
2006	Dr. David Allan Drummond	CNS	Misfolding Dominates Protein Evolution.
2007	Dr. Joyce Kai-See Poon	EE	Active and Passive Coupled-Resonator Optical Waveguides.
2008	Dr. David Soloveichik	CNS	Molecules Computing: Self-Assembled Nanostructures, Molecular Automata, and Chemical Reaction Networks.
2009	Dr. Jennifer Dionne	APH	Flatland Photonics: Circumventing Diffraction with Planar Plasmonic Architectures.
2010	Dr. Tudor Dan Dimofte	PH	Refined BPS Invariants, Chern-Simons Theory, and the Quantum Dilogarithm.
2011	Dr. Javad Lavaei	CDS	Large Scale Complex Systems: From Antenna Circuits to Power Grids.
2012	Dr. Milo Miaoyu Lin	PH	Protein Folding and Macromolecular Dynamics: Fundamental Limits of Length and Time Scales.
2013	Dr. James McKone	CH	Earth-Abundant Materials for Solar Hydrogen Generation.
2014	Dr. Wei Wei	MS	Microfluidics-based Single-cell Functional Proteomics Microchip for Portraying Protein Signal Transduction Networks within the Framework of Physiochemical Principles, with Applications in Fundamental and Translational Cancer Research.

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2015	Dr. Jena Johnson	GEBI	Manganese: Minerals, Microbes, and the Evolution of Oxygenic Photosynthesis.
2016	Dr. Rachel Galimidi	BI	Combating HIV with Novel Antibody Architectures.
2017	Dr. Sho Takatori	CHE	Forces, Stresses and the (Thermo?) Dynamics of Active Matter: The Swim Pressure.