

Year	Graduate	Mentor (s)	Dissertation Title
2024	Cassandra Dutcher, PhD	Tobias Giessen, PhD	The Architecture and Assembly Principles of Bacterial Protein Nanocompartments with a Two-Compartment Shell
2024	Harsha Gouda, PhD	Ruma Banerjee, PhD	Molecular Mechanisms of Human Coenzyme B12 Trafficking and Metabolism
2024	Cara Loomis, PhD	Emily Scott, PhD	Investigation of Adrenodoxin Mediated Allosteric Effects in Cytochrome P450 Family 11 Enzymes
2024	Michael Rankin, PhD	Janet Smith, PhD	Structural and Biochemical Investigation of an Unusual Biosynthetic Gene Cluster
2024	Renke Tan, PhD	Yan Zhang, PhD	Harnessing Type I CRISPR as Robust Genome Editing Tools
2024	Jenna Veenstra, PhD	Patrick O'Brien, PhD	Mechanism of Human DNA Ligase I and Candidate LIG1 Syndrome Mutants
2023	April Kaneshiro, PhD	Neil Marsh, PhD	Mechanistic Investigation Into <i>Saccharomyces cerevisiae</i> Ferulic Acid Decarboxylase, a Prenylated FMN-Dependent Decarboxylase
2023	Tyler McCullough, PhD	Janet Smith, PhD	Structural Characterization of Type I Polyketide Synthase Modular Architecture and Chain Termination
2023	Brian Peterson, PhD	Ryan Baldrige, PhD	Dissecting the Mechanics of Hrd1 Mediated ERAD
2022	Fabienne Birkle, PhD	James Morrissey, PhD	Regulation of Serine Proteases in Blood Clotting and Beyond
2022	Liu Liu, PhD	Stephen Ragsdale, PhD	The Regulatory Function of Heme Oxygenase in Modulating Mammalian Heme Bioavailability and Homeostasis
2022	Divyani Paul, PhD	James Morrissey, PhD	Investigating Protein-Membrane Interactions Mediated by Factor X that Regulate the Blood Clotting Cascade
2022	Beth Rousseau, PhD	David Turner, PhD	Engineering Virus-Like Particles for the Delivery of Genome Editing Enzymes
2022	Christine Ziegler, PhD	Lydia Freddolino, PhD	Mechanisms of Nutrient Sensing and Gene Regulation by the <i>E. coli</i> Leucine-Responsive Regulatory Protein, a Global Feast-Famine Transcriptional Regulator
2021	Adam Z. Thelen, PhD	Patrick O'Brien, PhD	Mechanisms of DNA Damage Recognition by Alkyladenine DNA Glycosylase
2021	Yuqi Wang, PhD	James Morrissey, PhD	Exploring the Function of Polyphosphate in the Contact Pathway of Blood Clotting and Developing Polyphosphate Probes for Enhanced Specificity
2020	Kipchumba Kaitany, PhD	Carol Fierke, PhD	Substrate Recognition Mechanism of Protein-Only RNase P
2019	Elizabeth Abshire, PhD	Raymond Trievel, PhD; Aaron Goldstrohm, PhD	Structural and Functional Characterization of the Human Enzyme Nocturnin
2019	René Arvola, PhD	Aaron Goldstrohm, PhD	Messenger RNA control by Pumilio
2019	Jennifer Bohn, PhD	Janet Smith, PhD	APOBEC3H Antiviral Mechanisms Driven by Protein-Nucleic Acid Interactions: Structure and Function
2019	Claire Cato, PhD	John Tesmer, PhD; Janet Smith, PhD	Structural and Biochemical Analysis of G Protein-Coupled Receptor Kinase Activation and Small Molecule Inhibitor Specificity
2019	Tom Jurkiw, PhD	Patrick O'Brien, PhD	Mechanism and Specificity of Human DNA Ligase I
2019	Justin McNally, PhD	Patrick O'Brien, PhD	Kinetic Analysis of Human DNA Ligase III
2019	Michael Wolfe, PhD	Lydia Freddolino, PhD	Regulation of Gene Expression Through Nucleic Acid Binding Proteins: New Paradigms, Perspectives, and Tools
2018	Wallace Chan, PhD	Yang Zhang, PhD	Development and Application of Virtual Screening Methods for G Protein-Coupled Receptors
2018	Greg Dodge, PhD	Janet Smith, PhD	Structural and Biochemical Studies of Polyketide Synthase and Fatty Acid Synthase Dehydratase
2018	Grace Kroner, PhD, DABCC	Lydia Freddolino, PhD	Regulation of <i>E. coli</i> genome architecture and transcription in response to changing nutrient levels
2018	Meredith Skiba, PhD	Janet Smith, PhD	Structural and Biochemical Investigation of Methylation and Elucidation of t-Butyl Formation in Polyketide Biosynthesis
2017	Qingyun Dan, PhD	Janet Smith, PhD	Structural and Biochemical Characterization of the Early Steps in Fungal Indole Alkaloid Biosynthesis

2017	Robert Fick, PhD	Raymond Trievel, PhD	Characterization of Methyltransferase Carbon-Oxygen Hydrogen Bonding and Sulfur-Oxygen Chalcogen Bonding with the Sulfonium of S-adenosyl-L-methionine
2017	Nicole Motl, PhD	Ruma Banerjee, PhD	Structural Enzymology of Sulfide Oxidation by Persulfide Dioxygenase and Rhodanese
2017	Samuel Slocum, PhD	Janet Smith, PhD; David Sherman, PhD	Biochemical studies of polyketide beta-branching and polyketide synthase module architecture
2017	Eric Tse, PhD	Daniel Southworth, PhD	Quality control mechanisms of molecular chaperones in the folding and degradation of client proteins
2016	Bryan Dunyak, PhD	Jason Gestwicki, PhD	Peptidyl-Proline Isomerases: Promising Targets for Natural Product-Inspired Therapeutics
2016	Benjamin Ellington, PhD, JD	Neil Marsh, PhD	Probing the Mechanisms of Aldehyde Decarbonylation using Radical Clock Substrate Analogues
2016	Elia Wright Hefner, PhD	Carol Fierke, PhD	Elucidating the Potential Role of Protein Prenylation in Bacterial Infection
2016	Bradley Klemm, PhD	Carol Fierke, PhD	Substrate Recognition by Protein-only Ribonuclease Ps
2016	Andrew Sikkema, PhD	Janet Smith, PhD	Structural and Biochemical Studies of the Initiation Steps in Three Natural Product Biosynthetic Pathways
2015	Manila Hada, PhD, MPH	Roland Kwok, PhD	Regulation of Ku70 Bax Complex in Cells
2015	Michael J. Howard, PhD	Carol Fierke, PhD	Structure and Function of Protein-only RNase P
2015	Jennifer N. Rauch, PhD	Jason Gestwicki, PhD	Regulation of Human Hsp70 by its Nucleotide Exchange Factors (NEFs)
2015	Erin Taylor, PhD	Patrick O'Brien, PhD	Mechanistic studies of alkylation repair DNA glycosylases
2015	Chase A. Weidmann, PhD	Aaron Goldstrohm, PhD	Mechanisms of mRNA regulation by Pumilio and Nanos
2014	Brittany M. Bowman, PhD	Brian Ross, PhD	FADD and its Phosphorylation Mediate Mitogenic Signaling in Mutant <i>Kras</i> Tumors
2014	Jenna M. Hendershot, PhD	Patrick O'Brien, PhD	Mechanism of Nucleotide Flipping by Human Alkyladenine DNA Glycosylase
2014	Curtis R. Powell, PhD, JD	Daniel Goldman, PhD	The Role of Apobec2 During Zebrafish Retina and Optic Nerve Regeneration
2014	Amber M. Smith, PhD	Janet Smith, PhD	Structural Investigation of the Mechanism and Regulation of the PLPS
2014	Mark R. Taylor, PhD	Patrick O'Brien, PhD	The Role of Divalent Metal Ions in Enzymatic DNA Ligation
2014	Cody Vild, PhD	Zhaohui Xu, PhD	Structural analysis of ESCRT-III dependent regulation of LIP5 reveals divergent mechanism of VPS4 regulation
2014	Noah A. Wolfson, PhD	Carol Fierke, PhD	The Determination of HDAC8 substrate specificity
2013	Stewart Siyan Cao, MD, PhD	Randal Kaufman, PhD	Endoplasmic Reticulum Stress in Intestinal Epithelial Cells and Inflammatory Bowel Disease
2013	Sean P. Ferris, MD, PhD	Randal Kaufman, PhD; Peter Arvan, MD, PhD	UDP-glucose:glycoprotein glucosyltransferase (UGGT1) promotes substrate solubility in the endoplasmic reticulum
2013	Michael W. Lofgren, PhD	Ruma Banerjee, PhD	Auxiliary Proteins and Allosteric Control of the Mitochondrial Branch of B12 Trafficking, Assembly and Reactivity
2013	Liliya V. Mancour, PhD	Georgios Skiniotis, PhD	Structural Dynamics of Transmembrane Signaling Complexes by Negative Stain Electron Microscopy
2013	Claudia A. McDonald Boen, PhD	Bruce Palfey, PhD	The Enzymology of the Monooxygenase Domain of MICAL-2
2013	Joseph A. Micucci, PhD	Daniel Bochar, PhD; Donna Martin, MD	The role of ATP-dependent chromatin remodeling enzyme CHD7 in the development and maintenance of murine neural stem cells
2013	Jamie L. Van Etten, PhD	Aaron Goldstrohm, PhD	Regulatory Mechanisms and RNA Targets of Human Pumilio Proteins
2013	Gerwin H. Westfield, PhD	Georgios Skiniotis, PhD	Molecular Electron Microscopy of Signaling Protein Complexes
2012	Heather M. Dickson Giebink, PhD	Anne Vojtek, PhD	Insights into the molecular mechanism of axon outgrowth by myelin associated inhibitors

2012	Jennifer Gehret McCarthy, PhD	Janet Smith, PhD	Production of Terminal Alkenes in Natural Product Biosynthesis: Structural Studies of Sulfotransferase and Thioesterase Didomains
2012	Justin R. Hassler, PhD	Randal Kaufman, PhD	Molecular and phenotypic characterization of <i>Ire1α</i> gene deletion in mouse embryo fibroblasts and pancreatic β cells
2012	Swathi Krishnan, PhD	Raymond Trievel, PhD	Structural and Biochemical Insights into Methylation Site and State Specificity of JMJD2 Lysine Demethylases
2012	Donald D. Raymond, PhD	Janet Smith, PhD	Structural Studies of Genome Packaging in Phleboviruses
2012	Shameka J. Shelby, PhD	Debra Thompson, PhD	MERTK-mediated Signaling in the Retinal Pigment Epithelium: Insights into the Mechanism of RPE Phagocytosis
2011	Veronica E. Burns, PhD	Tom Kerppola, PhD	Structural Basis and Functional Consequences of Alternative ATF2-Jun Heterodimer Orientations at the Interferon-Beta Enhancer
2011	Valentin F. Cracan, PhD	Ruma Banerjee, PhD	Structure, Function and Metabolic Roles of IcmF—a Fusion Between the Radical B12 Enzyme and its G-protein Chaperone
2011	Ryan T. Evans, PhD	Audrey Seasholtz, PhD	Splicing and Multiple Binding Proteins in the Corticotropin-Releasing Hormone Stress System
2011	Nirupama Gupta, PhD	Stephen Ragsdale, PhD	Thiol-based redox modulation of transcriptional regulators; CprK and Rev-erbβ
2011	Corissa L. Lamphear, PhD	Carol Fierke, PhD	Molecular Recognition of Substrates by Protein Farnesyltransferase and Geranylgeranyltransferase-I
2011	Li Li, PhD	Kun-Liang Guan, PhD	Upstream Components of mTORC1
2011	Cherisse Rae Loucks, PhD	Georgios Skiniotis, PhD	Molecular Architecture of a 40S Ribosomal Subunit Maturation Intermediate
2011	Dave A Pai, PhD	David Engelke, PhD	Spatial coordination of tRNA genes
2011	Elizabeth A. Pierce, PhD	Stephen Ragsdale, PhD	Identification and Characterization of Oxalate Oxidoreductase, a Novel Thiamine Pyrophosphate-dependent Enzyme That Enables Anaerobic Growth on Oxalate
2011	Ashley A. Reinke, PhD	Jason Gestwicki, PhD	Conformation-specific chemical probes for amyloid-β
2010	Stacie L. Bulfer, PhD	Raymond Trievel, PhD	Structure, Mechanism and Regulation of Homocitrate Synthase
2010	Heather Brianna Claxton-Douglas, PhD	Janet Smith, PhD	Investigation into the Activity and Specificity of the Thioesterase II, Ketoreductase and Dehydratase Domains of Multiple Polyketide Synthases
2010	Samuel G. Gattis, PhD	Carol Fierke, PhD	Mechanism and metal specificity of Zn-dependent deacetylases
2010	Michael C. Marvin, PhD	David Engelke, PhD	Identification and Characterization of Expanded RNA Binding Abilities and Cellular Roles for Nuclear RNase P
2010	Jay N. Pieczynski, PhD	Benjamin Margolis, MD	Regulation of Apical Polarity Complexes
2010	Zhonghua Yan, PhD	Ruma Banerjee, PhD	Thiol-mediated Redox Modulation of the Adaptive Immune Response
2010	Li Yi, PhD	Stephen Ragsdale, PhD	Characterization of the Redox Switches in Human Heme Oxygenase-2 and a Human Heme-Responsive Potassium Channel
2009	Jared Crispell, PhD	Debra Thompson, PhD	Characterization of RPE65 and RDH12, Two Enzymes Associated With Retinal Dystrophy and Retinoid Processing
2009	Rebecca Fagan Switzer, PhD	Bruce Palfey, PhD	The Differences are in the Details: The Mechanism of Flavin Reduction in Class 1A and Class 2 Dihydroorotate Dehydrogenases
2009	Edgar Lee, PhD	Ari Gafni, PhD	Pancreatic Islet Amyloid Polypeptide Membrane Binding and Permeabilization
2009	Tushar Menon, PhD	Daniel Bochar, PhD	Regulation of Androgen-Responsive Transcription by the Chromatin Remodeling Enzyme CHD8
2009	Feng Wang, PhD	Ming Lei, PhD	Structural Analyses of Telomere Associated Proteins
2009	Abigail E. Wolfe, PhD	Patrick O'Brien, PhD	Kinetic Mechanism for Binding and Flipping of Damaged Bases by Alkyladenine DNA Glycosylase
2009	Bin Zhao, PhD	Kun-Liang Guan, PhD	Inactivation of YAP-TEAD by the Hippo Pathway is Involved in Growth Control and Cancer
2008	Lance W. Rider, PhD	Bruce Palfey	Flavoenzymes involved in pyrimidine oxidation and reduction

2008	Pamela Wong, PhD	Ari Gafni, PhD	Characterization of Amyloid- β interactions at the membrane interface: implications for pathogenesis
2008	Junyu Xiao, PhD	Zhaohui Xu, PhD	Structural basis of Vps4 function and regulation in the multivesicular body pathway
2007	Julie M. Coppola (Williams), PhD	Brian Ross, PhD	Cell-based Assays for Proteolytic Activity and their Application in Drug Discovery
2007	Daniel Coughlin, PhD, JD	David Engelke, PhD	Expanding the set of known substrates of nuclear RNase P
2007	Blake V. Fausett, MD, PhD	Daniel Goldman, PhD	Mechanisms of Retina Regeneration in Zebrafish
2007	Rebecca A. Haeusler, PhD	David Engelke, PhD	tRNA Genes as Organizers of Genetic Information
2007	Chung-Han Lee, MD, PhD	Kun-Liang Guan, PhD	Glucose Starvation Induces Apoptosis of TSC-/- Cells in a p53-Dependent Manner
2007	Brian A. Moore, PhD	Zhaohui Xu, PhD	Structures of Exocyst Subunit Exo70 from Yeast and Mouse
2007	June E. Pais, PhD	Carol Fierke, PhD	Mechanism of Catalysis and Inhibition of Mammalian Protein Farnesyltransferase
2007	Narinporn (Rina) Pattaramanon (Patramanon), PhD	Ari Gafni, PhD	Conformational analysis of Heat Shock Factor 1 C-terminal domain
2007	Lei Wang, PhD	Jairam Menon, PhD	Studies on the Post-Transcriptional Regulation of Luteinizing Hormone Receptor Expression in the Ovary
2007	Qian Wang, PhD, JD	Benjamin Margolis, MD	The Role of PALS1 in Mammalian Epithelial Polarity
2007	Jun Wu, PhD	Randal Kaufman, PhD	Roles of the Unfolded Protein Response in Cultured Cells and Transgenic Murine Models
2007	Qian Yang, MD, PhD, DMD	Kun-Liang Guan, PhD	mTOR Regulation
2006	Mohamed Abazeed, MD, PhD	Robert Fuller, PhD	Analysis of Clathrin Vesicle Transport from the <i>trans</i> Golgi Network to the Late Endosome/Prevacuolar Compartment
2006	Andrew Andrews, PhD	Carol Fierke, PhD	Function of Inner-sphere metal ions in RNase P catalysis
2006	Adam Avery, PhD	Anne Vojtek, PhD	Elucidation of UNC-51-like kinase signaling pathways
2006	Christine Clouser, PhD	Jairam Menon, PhD	Processing and Trafficking of the Luteinizing Hormone Receptor
2006	Kuei Lee, MD, PhD, MPH	Brian Ross, PhD	Molecular Imaging Biomarkers in the Evaluation of Experimental Therapeutics
2006	KunYoo Shin, PhD	Benjamin Margolis, MD	The Role of PATJ in Mammalian Epithelial Cell Polarity and Tight Junction Formation
2005	Jennifer Aurandt-Pilgrim, PhD	Kun-Liang Guan, PhD	Signaling Mechanisms of Plexin-B1: A receptor for Semaphorin 4D
2005	Scott B. Berger, PhD	Richard Miller, PhD	Enhanced T Lymphocyte Function in Young and Old Mice Through Changes in Surface Glycoproteins
2005	Stephen P.L. Cary, PhD	Michael Marletta, PhD	Tonic and Acute Nitric Oxide Signaling Through Soluble Guanylate Cyclase: Roles of Non-Heme NO, ATP, and Globins
2005	Peter Clapp, PhD	Richard Neubig, PhD	Identification and functional characterization of two novel $\alpha 1$ adrenergic receptor-interacting proteins
2005	Katherine Hicks, PhD	Carol Fierke, PhD	Protein Farnesyltransferase: Investigation of Peptide Specificity Determinants and Identification of Novel Substrates
2005	Jeeyong Lee, PhD	Kun-Liang Guan, PhD	Netrin-mediated signal transduction in <i>Caenorhabditis elegans</i>
2005	Anthony Ludlam, PhD	Zhaohui Xu, PhD	Structure and Function of the Bacterial Ribosome-Bound Chaperone Trigger Factor
2005	Robert Pejchal, PhD	Martha Ludwig, PhD	Structural Studies of Methylenetetrahydrofolate Reductase and Cobalamin-Independent Methionine Synthase: Back-to-Back Enzymes in One-Carbon Metabolism
2005	Mattabhorn Phimphilai, PhD	Renny Franceschi, PhD	Cooperative Interactions Between Bone Morphogenetic Proteins and the RUNX2 Transcription Factor in Osteoblast Differentiation
2005	Rebecca Taurog, PhD	Rowena Matthews, PhD	Substrate Binding and Activation in Cobalamin-Independent Methionine Synthase

2005	Shaohua Xiao, PhD	David Engelke, PhD	Functional Characterization of the Eukaryotic-specific Conserved Features of Nuclear RNase P in the Yeast <i>Saccharomyces cerevisiae</i>
2004	Jennifer Blanchette, PhD	Robert Fuller, PhD	Characterization of <i>Saccharomyces cerevisiae trans</i> Golgi network protein trafficking events using cell-free systems
2004	Eddy J. Brace, PhD	Robert Fuller, PhD	Role of Soi3p in Localization of the Processing Protease Kex2p to the <i>trans</i> -Golgi Network through Assembly of Vacuolar ATPase
2004	Jeremy J. Day-Storms, PhD	Carol Fierke, PhD	RNA-Protein Interactions in Prokaryotic and Eukaryotic Ribonuclease P
2004	Elise Manning Hondorp, PhD	Rowena Matthews, PhD	Oxidative Stress Inactivates Cobalamin-Independent Methionine Synthase in <i>Escherichia coli</i>
2004	David M. Karnak, PhD	Benjamin Margolis, MD	Biochemical and Structural Studies of the Lin-2 and 7 (L27) Dimerization Domain: Linking Proteins Important in Cell Polarity
2004	Huirong Chong Kopera, PhD	Kun-Liang Guan, PhD	Regulation of the Raf/MAPK signal transduction pathway
2003	Timothy A. Blauwkamp, PhD	Alex Ninfa, PhD	Principles of Signal Transduction and Gene Circuit Design Governing Nitrogen Assimilation in <i>Escherichia coli</i>
2003	Heidi Campbell Adams, PhD	Claudia Kent, PhD	Enzymatic and Structural Characterization of Choline Kinase and CTP:Phosphocholine Cytidylyltransferase from <i>Streptococcus pneumoniae</i>
2003	Seonok Lee (Muecke), PhD	Benjamin Margolis, MD	Discs Large and mLin-2/CASK: Evolutionarily Conserved Modulators of Epithelial Cell Polarity and Synaptic Junctions
2003	Chuan Yin Liu, PhD	Randal Kaufman, PhD	Structure and Function of the Stress Sensing Domain of IRE1 and PERK in the Unfolded Protein Response
2003	Utpal Munshi, PhD	Jairam Menon, PhD	Activation and Internalization of the Luteinizing Hormone/Human Chorionic Gonadotropin Receptor
2003	Augen Pioszak, PhD	Alex Ninfa, PhD	Mechanism of Signal Transduction Through the <i>Escherichia coli</i> Two-Component System Transmitter Protein NRII (NTRB)
2003	Michael H. Roh, MD, PhD	Benjamin Margolis, MD	The Role of the Crumbs Complex in Mammalian Epithelial Polarity
2003	Feng Shao, PhD	Jack Dixon, PhD	Identification of a Novel Family of Cysteine Proteases and Their Functions in Bacterial Pathogenesis
2003	Xiaohua Shen, PhD	Randal Kaufman, PhD	Unfolding the Unfolded Protein Response: Turn to the Worm!
2003	Haris G. Vikis, PhD	Kun-Liang Guan, PhD	Signaling Mechanisms of the Semaphorin Receptor Plexin-B1
2003	Dong Xu, PhD	Vincent Massey, PhD; Dave Ballou, PhD	Studies of the Reaction Mechanism of Phenol Hydroxylase: Site-Directed Mutagenesis and 6-Azido-FAD
2003	Hao Zhou, PhD	Dennis Thiele, PhD	Identification of Novel Copper Transport Genes in Eukaryotic Cells
2002	Stacey M. Arnold, PhD	Randal Kaufman, PhD	Cloning and Characterization of Human UDP-Glc:Glycoprotein Glucosyltransferase Homologues
2002	Joel Clement, PhD	Claudia Kent, PhD	Identification of a Novel CTP:Phosphocholine Cytidylyltransferase- α Isoform
2002	Claudia Figueroa-Romero, PhD	Anne Vojtek, PhD	Regulation of Ras Trafficking and Ras Signaling
2002	Stephen Juris, PhD	Jack E. Dixon, PhD	Analysis of the Function of the <i>Yersinia</i> Protein Kinase YPKA and Its Role in Bacterial Pathogenesis
2002	Vladimir Ramirez-Carrozzi, PhD	Tom Kerppola, PhD	Structural Basis and Functional Significance of Oriented FOS-JUN Heterodimer Binding
2002	Westley A. Sherman, PhD	Ari Gafni, PhD	Slow Protein Folding Processes: Amyloid Kinetics, Phosphorescence Quenching, And the PAI-1 Conversion to Latency
2002	Chatchawan Srisawat, MD, PhD	David Engelke, PhD	The Study of Nuclear Ribonuclease P In <i>S. cerevisiae</i> Using Novel RNA Affinity Tags
2002	Travis Tani, PhD	Rowena Matthews, PhD	Transitions Between The Gut and The Gutter: A Global Examination of the Regulon Controlled by the Leucine Responsive Regulatory Protein (LRP) in <i>Escherichia coli</i>

2001	Diane A. Hall, MD, PhD	Rowena Matthews, PhD	Mapping the Interactions Between Flavodoxin and its Physiological Partners, Flavodoxin Reductase and Cobalamin-Dependent Methionine Synthase
2001	Craig L. Smith, PhD	Mark Saper, PhD	The Crystal Structure of the Amino-Terminal Domain of the YOPH From <i>Yersinia pseudotuberculosis</i>
2001	John Stansberry, PhD	Michael Uhler, PhD	Biochemical and Functional Analysis of cGMP-Dependent Protein Kinases From <i>C. elegans</i>
2001	Michelle Steinhilb, PhD	James Gaut, PhD; Dennis Thiele, PhD	Cellular Trafficking and Metabolism of the Alzheimer's Disease Amyloid Precursor Protein (APP) in the Secretory and Endocytic Pathways
2000	Merrill Douglas Benson, PhD	Renny Franceschi, PhD	Osteoblast-Specific Regulation of Bone Sialoprotein Gene Transcription
2000	Faye Andrea Bradbury, PhD	Jairam Menon, PhD	Post-translational Processing and Internalization of the Luteinizing Hormone/Human Chorionic Gonadotropin Receptor
2000	Clara Y.H. Choi, MD, PhD	Michael Marletta, PhD	Investigating the Heme Detoxification Pathway of the Malaria Parasite <i>Plasmodium falciparum</i> - A Key to Antiplasmodial Therapy Development
2000	Kerry Fluhr, PhD	Rowena Matthews, PhD	Residues That Affect Activation and Deactivation of Cobalamin-dependent Methionine Synthase (Meth)
2000	Mark T. Hilgers, PhD	Martha Ludwig, PhD	The Structure of LUXS, a Bacterial Protein Implicated in Intercellular Signaling
2000	Shanna McClennen, PhD	Audrey Seasholtz, PhD	Regulation of Corticotropin-Releasing Hormone Binding Protein Gene Expression
2000	Nicholas Santoro, PhD	Dennis Thiele, PhD	Distinct binding sites and signaling pathways regulate the <i>Saccharomyces cerevisiae</i> heat shock transcription factors
2000	Bart Lee Staker, PhD	Mark Saper, PhD; James Bardwell, PhD	X-ray Crystallographic Studies of Three Nucleic Acid Binding Proteins
2000	Lauren Stegman, MD, PhD	Brian Ross, PhD	Magnetic Resonance-Based Markers of Treatment Response and Transgene Expression for Use in Brain Tumor Gene Therapy
2000	Scott James Stewart, PhD	Kun-Liang Guan, PhD	Regulation of Ras/Mitogen-Activated Protein (MAP) Kinase Signaling Pathways in Mammalian Cells
2000	William A. Ziehler, PhD	David Engelke, PhD	Biochemical and Genetic Analyses of the Structure and Function of the Ribonucleoprotein Enzyme, RNase P
1999	James Chester Clemens, PhD	Jack Dixon, PhD	Identification of a Novel Signaling Complex That Controls Axon Guidance in <i>Drosophila</i>
1999	Sean Collins, MD, PhD	Michael Uhler, PhD	Compartmentalization of the Cyclic Nucleotide-Dependent Protein Kinases and Their Substrates
1999	Wendolyn R. Davis, PhD	James Peliska, PhD	Mechanistic Characterization of New Inhibitors of DNA Strand Transfer Reactions Catalyzed By HIV-1 Reverse Transcriptase and Nucleocapsid Protein
1999	John C. Kash, PhD	Jairam Menon, PhD	Post-transcriptional control of lutropin/choriogonadotropin receptor in the ovary: identification and characterization of a receptor-specific mRNA binding protein
1999	Seong J. Noh, MD, PhD	Kun-Liang Guan, PhD	Structure Function Analysis of P18 and the Role of KSR in Muscle Differentiation
1999	Mariliz Ortiz-Maldonado Johnson, PhD	Vincent Massey, PhD; Dave Ballou, PhD	Insights on the Mechanism of <i>Pseudomonas aeruginosa</i> p-Hydroxybenzoate Hydroxylase from QSAR Studies Using 8-Substituted Flavins
1999	Witoon Tirasophon, PhD	Randal Kaufman, PhD	Signal transduction from the endoplasmic reticulum to the nucleus in mammalian cells
1999	Cole M. Zimmerman, PhD	Lawrence Mathews, PhD	Inhibition of SMAD-mediated activin and TGF β signaling by calmodulin
1999	Gregor Zimmermann, PhD	Ronald Taussig, PhD	Characterization of the Regulatory Properties of Mammalian Adenylyl Cyclase
1999	Xiaoli Zhan, PhD	Kun-Liang Guan, PhD	Function and Regulation of Protein Tyrosine Phosphatases in <i>S. cerevisiae</i> Signal Transduction

1999	Yunde Zhao, PhD	Michael Marletta, PhD	Characterization of the nitric oxide sensing domain of soluble guanylate cyclase
1998	Larry Dwayne Adams, PhD	Daniel Goldman, PhD	Calcium and cAMP-Dependent Second Messenger Systems Regulating Nicotinic Acetylcholine Receptor Expression
1998	David A. Ammar, PhD	Debra Thompson, PhD	Cloning of a Type 2 Neuropeptide Y Receptor and Characterization of Neuropeptide Y Responses in the Retinal Pigment Epithelium of the Eye
1998	John Weber Denninger, MD, PhD	Michael Marletta, PhD	Structure and Function Relationships in the Soluble Guanylate Cyclase: Activation by YC-1, Carbon Monoxide, and Nitric Oxide
1998	Keith Andrew Koch, PhD	Dennis Thiele, PhD	Essential transcription factor-DNA interactions for the transcriptional autoregulation of the <i>Candida</i>
1998	Xiao-Dong Liu, MD, PhD	Dennis Thiele, PhD	Stress regulation of heat shock transcription factors
1998	Robert C. Morshauer, PhD	Erik Zuiderweg, PhD	High dimensionality NMR experiments with improved spectral resolution applied to the complete structure determination of the molecular chaperone HSC-70 (heat shock cognate, 70 KDA) substrate binding domain
1998	Aileen Nicoletti, PhD	Debra Thompson, PhD	Cloning and characterization of the human RPE65 gene: A model for regulation of gene expression in the retinal pigment epithelium
1998	Rafael Perez-Ballester, PhD	Michael Uhler, PhD	Cloning and Characterization of Goldfish and Zebrafish Rich Proteins
1998	Ramesh Rengan, MD, PhD	Geneva Omann, PhD	Signaling Actin Polymerization Responses in Hematopoietic Cells
1998	Kristin Marie Rusche, PhD	Michael Marletta, PhD	Studies of the nitric oxide synthase catalytic mechanism and structural requirement for 6(R)-tetrahydro-L-biopterin
1997	Pimchai Chaiyen, PhD	Vincent Massey, PhD; Dave Ballou, PhD	2-Methyl-3-Hydroxypyridine-5-Carboxylic Acid Oxygenase: Thermodynamics, Kinetics, Substrate Analogs and Gene Cloning
1997	James D. Fessenden, PhD	Jochen Schacht, PhD	The Characterization of the Nitric Oxide/Cyclic GMP Pathway in the Auditory System
1997	Christopher M. Harris, PhD	Vincent Massey, PhD	Transient and Pre-Steady-State Kinetic Analyses of Xanthine Oxidoreductase
1997	Eric Matthew Priuska, PhD	Jochen Schacht, PhD	The Mechanism of Free Radical Formation by Gentamicin: Implications for Ototoxicity
1997	Christian H. Weber, PhD	Martha Ludwig PhD	The X-Ray Structure Analysis of CTP:Glycerol-3-Phosphate Cytidyltransferase From <i>Bacillus subtilis</i>
1997	Don Edward Wiese II, MD, PhD	Rowena Matthews, PhD	Interactions of the leucine-responsive regulatory protein with the promoter region of the <i>gltBDF</i> operon of <i>Escherichia coli</i> specifying glutamate synthase
1997	Jirundon Yuvaniyama, PhD	Mark Saper, PhD	X-ray Crystal Structure of Human VH1-Related Dual Specificity Phosphatase
1996	Daniel N. Cortright, PhD	Audrey Seasholtz, PhD	Characterization of the Corticotropin-Releasing Hormone-Binding Protein
1996	Julio C. Gonzalez, MD, PhD	Rowena Matthews, PhD	Studies on Cobalamin-Independent Methionine Synthase From <i>Escherichia coli</i> : A Zinc Metalloenzyme
1996	David Michael Hoover, PhD	Martha Ludwig, PhD	Thermodynamic and Structural Studies of the Interaction of Flavodoxin and Methionine Synthase from <i>Escherichia coli</i>
1996	Adam Richard Johnson, PhD	Eugene Dekker, PhD; Donald Hultquist, PhD	Structure/Function Interrelationships of <i>Escherichia coli</i> L-Threonine Dehydrogenase
1996	Deborah Lynn Lu, PhD, JD	Jairam Menon, PhD	Post-Transcriptional Regulation of Luteinizing Hormone/Human Chorionic Gonadotropin Receptor Expression
1996	Heidi L. Schubert, PhD	Jack Dixon, PhD	Structure of the <i>Yersinia</i> Protein Tyrosine Phosphatase: Evidence for a Ligand-Induced Conformational Change
1995	Constantinos Broustas, PhD	Amiya Hajra, PhD	Studies on Rat Brain Cytosolic Fatty Acyl Coenzyme A Thioesterase

1995	Catherine L. Drennan, PhD	Martha Ludwig, PhD	Crystallographic studies of FMN and Vitamin B12 Dependent Enzymes: Flavodoxin and Methionine Synthase
1995	George T. Gassner, PhD	David Ballou, PhD	Mechanistic Studies of the Phthalate Dioxygenase System
1995	Brett William Lennon, PhD	Charles Williams, PhD	Study of the reductive and oxidative half reactions of <i>Escherichia coli</i> thioredoxin reductase: Implications for catalysis
1995	Eileen Pagan-Ramos, PhD	David Engelke, PhD	Mutational analyses of yeast nuclear Rnase P
1995	Michael Kerr Richards, MD, PhD	Michael Marletta, PhD	Overexpression and Purification of Neuronal Nitric Oxide Synthase From a Baculovirus Expression System: Characterization of Two C415 Heme-Binding mutants
1995	James R. Stone, MD, PhD	Michael Marletta, PhD	Activation of Soluble Guanylate Cyclase by Nitric Oxide: Spectroscopic and Kinetic Studies Reveal an Unusual Heme Environment
1995	Mark Stanley Szczyпка, PhD	Dennis Thiele, PhD	Metal Homeostasis and Metal-Regulated Gene Expression in Yeast
1995	Thomas R. Transue, PhD	Mark Saper, PhD	X-ray Crystal Structures of Amaranthin: Ligand-Free and in Complex with the T-Antigen Disaccharide
1995	Daniel Wade Walke, PhD	Daniel Goldman, PhD	Molecular Mechanisms Involved in Regulation of Nicotinic Acetylcholine Receptor Genes by Muscle Activity
1994	Eric John Baude, PhD, JD	Michael Uhler, PhD	Analysis of Protein Kinase Inhibitor Interactions With cAMP-Dependent Protein Kinase
1994	Trent Clarke, PhD	Anita Payne, PhD	Characterization of the cDNAs, genes, and expressed proteins of several members of the mouse 3-beta-hydroxysteroid dehydrogenase gene family
1994	Hebe Guardiola-Diaz, PhD	Audrey Seasholtz, PhD	Regulation of human corticotropin-releasing hormone gene expression
1994	Nancy Hopkins-Evans, PhD	Charles Williams, PhD	Studies of <i>Escherichia coli</i> liopoamide dehydrogenase lacking the redox active disulfide: C44s and C49S
1994	Elizabeth T. Jordan (Dreskin), PhD	Irwin Goldstein, PhD	Recombinant lima bean lectin: cloning, expression, characterization and mutational analysis
1994	Patricia Viola Racenis, PhD	Amiya Hajra, PhD; Miriam Greenberg, PhD	Phosphatidate biosynthesis in the yeast <i>Saccharomyces cerevisiae</i>
1994	Anthony J. Tranguch, MD, PhD	David Engelke, PhD	Structural Analyses of Nuclear RNase P RNA from Yeast
1994	Heather Kay Webb (Hsu), PhD	Rowena Matthews, PhD	Mechanistic insight into serine hydroxymethyltransferase through the use of substrate analogs
1994	Kimberly Ann White, PhD	Michael Marletta, PhD	Studies of the heme environment and electron flow in the inducible murine macrophage nitric oxide synthase
1994	Jinghua Yu, PhD	Bryant Villeponteau, PhD; Michael Uhler, PhD	The effects of a b-globin matrix attachment region (MAR) on gene expression
1993	Shu-Jen Chen, PhD	James Wilson, PhD; Jairam Menon, PhD	Virus-Mediated Gene Transfer of Recombinant Soluble Adhesion Molecules to the Vessel Wall and Synovium
1993	Robert Clubb, PhD	Gerhard Wagner, PhD; Martha Ludwig, PhD	Application and Development of Multi-Dimensional NMR Spectroscopic Techniques: The Solution Structure Determination of the Cyclophilin-type Peptidyl Prolyl Isomerase.
1993	James Thomas Drummond, PhD	Rowena Matthews, PhD	Nitrous Oxide Inactivation of Methionine Synthase: Characterization of the Chemistry Yields and Ultra-Low Resolution Structural Model for Catalysis
1993	Brian Richard Ernsting, PhD	Rowena Matthews, PhD	The LRP Regulon of <i>Escherichia coli</i>
1993	Jennifer A. Hunt, PhD	Vincent Massey, PhD	Xanthine Oxidase/Dehydrogenase: A Reversible Enzyme
1993	Michael Louis Leski, PhD	Bernard Agranoff, PhD	Purification and characterization of the goldfish regeneration-associated proteins gp68/70
1993	John Paul Marcus, PhD	Eugene Dekker, PhD	Metabolic and mechanistic studies on threonine degradation in <i>Escherichia coli</i> via the L-threonine dehydrogenase-initiated pathway

1993	Ute Muh, PhD	Charles Williams, PhD; Vincent Massey, PhD	Lactate Oxidase: Expression of the Gene in <i>Escherichia coli</i> and Studies of the Reaction Mechanism Through Active Site Mutations
1993	Bruce Allan Palfey, PhD	Vincent Massey, PhD; Dave Ballou, PhD	Studies on the flavoprotein para-hydroxybenzoate hydroxylase using site-directed mutants and solvent isotope effects
1993	Hwei-Ming Peng, PhD	Minor Coon, PhD	Developmental Regulation and Biochemical Properties of Nasal and Hepatic P-450 Cytochromes
1993	Kimberly Sue Quandt, PhD	Donald Hultquist, PhD	Flavin reductase: structural studies and tissue distribution
1993	Zhiwei Song, PhD	Irwin Goldstein, PhD	Expression and function of cell adhesion molecules in adherent and non-adherent Ehrlich ascites tumor cells
1993	Katherine T. Tamai, PhD	Dennis Thiele, PhD	Transcriptional regulation and function of yeast metallothionein during oxidative stress
1993	Liqian Zhang, PhD	Gary Nabel, PhD	The Regulation of the Expression of Human Interleukin-2 Gene
1993	Pengbo Zhou, PhD	Dennis Thiele, PhD	Metal-Regulated Gene Transcription in the Yeast <i>Candida clabrata</i>
1992	Bruce Carter, PhD	Fedor Medzihradsky, PhD	Mechanisms of Opioid Signal Transduction in SH-SY5Y Neural Cells
1992	Kenneth Chahine, PhD, JD	Daniel Goldman, PhD	Depolarization Regulates the Expression of the Nicotinic Acetylcholine Receptor Subunits
1992	Yen-Wen Chen, PhD	Eugene Dekker, PhD	Structure/Function Interrelationships of Threonine Dehydrogenase and 2-Amino-3-Ketobutyrate CoA Lyase, Primary Enzymes for Threonine Metabolism in <i>Escherichia coli</i>
1992	Kevin Ferreri, PhD	Jairam Menon, PhD	Studies on the Regulation and Structure of the Ovarian High Density Lipoprotein Receptor
1992	Frank Hoover, PhD	Daniel Goldman, PhD	Neural nicotinic acetylcholine receptor and GAP-43 developing mammalian retina
1992	Dan Francis Lazar, PhD	Fedor Medzihradsky, PhD	Membrane modulation of opioid receptor mechanisms
1992	Chung-Hee Lee, PhD	Amiya Hajra, PhD	The Origins and Metabolism of Diacylglycerol and Phosphatidate Formed Upon Stimulation of Neural Receptors
1992	Stacey Anne Minskoff, PhD	Miriam Greenberg, PhD	Regulation of Phospholipid Metabolism in Yeast
1992	Mohammad Pashmforoush, MD, PhD	William Kelley, PhD; David Engelke, PhD	Expression of the Human HPRT Gene in Neural Tissue
1992	Michael J. Pikaart, PhD	Bryant Villeponteau, PhD	Active Chromatin: Biochemical and Genetic Determinants of Chromatin Structure
1992	J. Jeffery Plomer, PhD	Ari Gafni, PhD	Studies on the Mechanisms of Denaturation and Renaturation of Glucose-6-Phosphate Dehydrogenase From <i>Leuconostoc mesenteroides</i>
1992	Robert J. Pogulis, PhD	Svend Freytag, PhD ; Bryant Villeponteau, PhD	Identification of CIS-acting Elements and Trans-acting Factors Required for Maximal Activity of the Mouse pro- α 2(I) Collagen Enhancer
1992	James Sullivan Sumner, PhD	Rowena Matthews, PhD	Structural and mechanistic investigations of methylenetetrahydrofolate reductase and their functional implications
1992	Peter John Tummino, PhD	Ari Gafni, PhD	Studies of Adenine Nucleotide Translocase in Mitochondria and in Detergent Micelles
1992	Beom-Seok Yang, PhD	Svend Freytag, PhD	The Regulation of Gene Expression by Oncogene MYC and Cell Growth State: The Involvement of Transcription and DNA-Replication Factor CTF/NF-1
1992	Geri Lynn Youngblood, PhD	Anita Payne, PhD	Molecular and Genetic Characterization of Steroidogenic P450 Enzymes in The Mouse
1991	Glenn Mark Anderson, PhD	Svend Freytag, PhD	The Role of Transcription Factors Sp1 and TFIID in Transcription of the human Argininosuccinate Synthetase Gene
1991	Lawrence Argetsinger, PhD	Jules Shafer, PhD	The Reversible and Irreversible Autophosphorylations of Insulin Receptor Kinase and Isolation of the Phosphorylated Form of Rous Sarcoma Virus Tyrosine Kinase
1991	Pedro J. Bonilla, PhD	Bryant Villeponteau, PhD; Svend Freytag, PhD	SV40 Enhancer activation of the human argininosuccinate synthetase promoter

1991	Carl C. Correll, PhD	Martha Ludwig, PhD	Structure Determination and Analysis of an Iron-Sulfur Flavoprotein, Phthalate Dioxygenase Reductase
1991	Steven Arthur Haney, PhD	Dale Oxender, PhD	Regulation of branched-chain amino acid transport in <i>Escherichia coli</i> by attenuation and repression
1991	Thomas J. Hornyak, MD, PhD	Jules Shafer, PhD	Activation of Blood Coagulation Factor XIII and Interactions of Factor XIII With Fibrinogen and Fibrin
1991	Jane Renee Larson, PhD	Minor Coon, PhD	Role of the hydrophobic NH ₂ -terminal segment of alcohol-inducible cytochrome P-450 studied by heterologous expression
1991	Jae-Yong Lee, PhD	David Engelke, PhD	Characterization of <i>Saccharomyces cerevisiae</i> Nuclear RNase P and Its RNA Subunit
1991	Andrew S. Niedzielski, PhD	Jochen Schacht, PhD	Phosphoinositide metabolism and second messenger generation in the cochlea
1991	Michael C. Naski, MD, PhD	Jules Shafer, PhD	Kinetics of thrombin-catalyzed formation of fibrin and factor XIIIa during blood clotting
1991	Elizabeth S. Roberts-Kirchhoff, PhD	Minor Coon, PhD	Role of cytochrome P-450 in the metabolism of lipid hydroperoxides, retinoids, and xenobiotic aldehydes
1991	Cheryl Wistrom, PhD	Bryant Villeponteau, PhD	Gene Expression During Senescence in Human Fibroblasts
1990	Mark D. Adams, PhD	Dale Oxender, PhD	Structure-Function Studies on the Leucine-Binding Proteins of <i>Escherichia coli</i>
1990	Pierre Brissette, PhD	David Ballou, PhD	Mechanism of Two Flavoenzymes Involved in the Degradation of Vitamin B ₆ in Bacteria: MHPC Oxygenase and 5-Pyridoxic Acid Oxygenase
1990	Robert Clair Casad, Jr., PhD	Richard Adelman, PhD	Studies with Somatostatin and Aging
1990	William Robert Epperly, Jr., PhD	Eugene Dekker, PhD	Investigation of Active-Site Residues and Sequence Homology in <i>E. coli</i> L-Threonine Dehydrogenase
1990	Claire Frances Evans, PhD	David Engelke, PhD	Interactions of <i>Saccharomyces cerevisiae</i> transcription factor with promoters for RNA polymerases II and III
1990	Thomas J. Graddis, PhD	Dale Oxender, PhD	Identification and characterization of the membrane components of the LIV-I transport system of <i>Escherichia coli</i>
1990	Maomi Li, MD, PhD	George Jourdian, PhD	Characterization of bovine testis mannose 6-phosphate receptors
1990	Ann Elizabeth Remmers, PhD	Fedor Medzihradsky, PhD	Modulation of opioid receptor binding by G protein and membrane lipid
1989	George S. Campbell, PhD	Dale Oxender, PhD	Genetic and Biochemical Studies of Amino Acid Transport in Chinese Hamster Ovary Cells
1989	Kenneth G. Hadlock, PhD	Dale Oxender, PhD	Characterization of the T-antigen content of simian virus 40 viral transcription complexes
1989	Jonathan Mark Huibregtse, PhD	David Engelke, PhD	Protein-DNA interactions at tRNA gene promoter regions and at an RNA polymerase II upstream activation sequence in yeast nuclei
1989	Kevin Allen Hutchison, PhD	Irving Fox, PhD	Characterization of adenosine binding proteins in human placental membranes
1989	Shahrokh Charles Khani, MD, PhD	Minor Coon, PhD	Studies on the structure and regulation of two highly similar genes in the alcohol-inducible cytochrome P-450 subfamily
1989	John R. Kitchen, PhD	Isadore Bernstein, PhD	Mechanism for accommodation to cadmium exposure in <i>Escherichia coli</i> B
1989	Andrew J. Prongay, PhD	Charles Williams, PhD	Mechanistic studies of <i>Escherichia coli</i> thioredoxin reductase: characterization of mutations of the two active site cysteines
1989	Stephen J. Rinderle, PhD	Irwin Goldstein, PhD	Isolation and properties of amaranthin, a lectin which recognizes the T- (or cryptic T) antigen
1989	Christopher E. Rohlman, PhD	Rowena Matthews, PhD	Response to folate stress in <i>Escherichia coli</i>
1989	Joel Samuel Tabb, PhD	Halvor Christensen, PhD; Dale Oxender, PhD	Photoaffinity and protein-modification studies on the system L and system T amino acid transporters in mammalian cells
1989	Marc Gregory Taylor, PhD	Vincent Massey, PhD	Mechanistic studies on phenol hydroxylase

1989	Min-Jen Tseng, PhD	G. Robert Greenberg, PhD	Expression of genes encoding bacteriophage T4 ribonucleoside diphosphate reductase
1989	Qing-Yu Zhang, PhD	Jairam Menon, PhD	Studies on gonadotropin receptor of rat ovary and testis
1988	Beverly Long Davidson, PhD	William Kelley, PhD	The Genetic Basis of Hypoxanthine Guanine Phosphoribosyltransferase Deficiency States in Humans
1988	Xinxin Ding, PhD	Minor Coon, PhD	Properties and Differential Expression of Multiple Forms of Cytochrome P-450
1988	Jacalyn Marla Green (Tschirhart), PhD	Rowena Matthews, PhD	Probing the cellular role of the folylpolyglutamate chain: studies of methylenetetrahydrofolate dehydrogenase and methylenetetrahydrofolate reductase
1988	Michelle Marceau, PhD	Jules Shafer, PhD	Active site residues of <i>Escherichia coli</i> D-serine dehydratase, a model vitamin B6 (pyridoxal 5'-phosphate) enzyme
1988	Louise Marian Perkins, PhD	Anita Payne, PhD	Hormonal and Genetic Regulation of Steroidogenic P450 Enzymes in Leydig Cells
1988	Keith Owen Webber, PhD	Amiya Hajra, PhD	Dihydroxyacetone phosphate acyltransferase
1988	Barbara H. Zimmermann, PhD	James Fee, PhD	Studies of respiratory proteins from the thermophilic aerobic bacterium, <i>Thermus thermophilus</i> , and purification of cytochrome ba3, a new terminal oxidase
1987	Markos Georgiou, PhD	Anita Payne, PhD	Regulation of cholesterol side-chain cleavage enzyme and testosterone production in Leydig cells
1987	David Allen Giegel, PhD	Vincent Massey, PhD; Charles Williams, PhD	Active site studies of L-lactate-2-monooxygenase
1987	James B. Howell, PhD	Margaret Hunter, PhD	The interaction of a2macroglobulin with trypsin, chymotrypsin, plasmin, and papain
1987	Randall N. Knibbs, PhD	Irwin Goldstein, PhD	Studies on the structure and biological function on the carbohydrate moiety of the extracellular matrix component
1987	Mary Jon Maliarik, PhD	Irwin Goldstein, PhD	Studies on the structural and ligand binding properties of N-acetylgalactosamine specific lectins
1987	Timothy E. O'Toole, PhD	William Kelley, PhD	Human Adenine Phosphoribosyltransferase: Molecular Characterization of the Normal and Deficiency States
1987	Chris John Vlahos, PhD	Eugene Dekker, PhD	Active site studies of <i>Escherichia coli</i> 2-keto-4-hydroxyglutarate aldolase
1986	Verna Frasca, PhD	Rowena Matthews, PhD	Purification and properties of methionine synthase from <i>Escherichia coli</i> B
1986	Thomas J. Goss, PhD	Prasanta Datta, PhD	Cloning and analysis of the tdc region of <i>Escherichia coli</i> K-12
1986	Carlos Rodriguez, PhD	Donald Hultquist, PhD	Purification and characterization of rabbit reticulocyte cathepsin D
1985	Paul Alfred Craig, PhD	Eugene Dekker, PhD	L-Threonine Dehydrogenase from <i>Escherichia coli</i> K-12 Thiol-Dependent Activation by Mn ²⁺ and the Role of Sulfhydryl Groups in Structure and Function
1985	Kenneth C. Jones, PhD	David Ballou, PhD	Nature of the 4a-flavinhydroperoxide of microsomal flavin-containing monooxygenase
1985	Peter George Zaphiropoulos, PhD	Minor Coon, PhD	Isolation and characterization of a novel cytochrome P-450-like gene
1984	Cynthia C. Barchfeld (Rothschild), PhD	Fedor Medzihradsky, PhD	Ligand Interaction with Opiate Receptor, and Receptor-Effector Coupling in Brain Slices
1984	Edward I. Cullen, PhD	Fedor Medzihradsky, PhD	Transport of Propranolol and Other Lipophilic Amines in Synaptosomes and Granulocytes
1984	Kristina Maria Detmer, PhD	Vincent Massey, PhD	Studies on the Mechanism of Phenol Hydroxylase
1984	Lee D. Gorsky, PhD	Minor Coon, PhD	Studies on the Activation and Reduction of Dioxygen By Cytochrome P-450
1984	John M. Hilfinger, PhD	Prasanta Datta, PhD	A study of growth regulation in 3T3 fibroblasts
1984	Jaulang Hwang, PhD	Jairam Menon, PhD	Characterization of the receptors for luteinizing hormone/human chorionic gonadotropin and lipoproteins in the luteinized rat ovary
1984	Michelle R. Lennartz, PhD	George Jourdian, PhD	Isolation and partial characterization of oligosaccharides on b-galactosidase

1984	Patrick Gerard Quinn, PhD	Anita Payne, PhD	Cholesterol depletion and regulation of microsomal cytochrome P-450 enzymes by steroids and oxygen in desensitized Leydig cells
1984	Richard C. Stewart, PhD	Vincent Massey, PhD	Interactions of the inhibitors arsenite and 8-bromoxanthine with the MO center of xanthine oxidase
1984	James M. Wilson, MD, PhD	William Kelley, PhD	Human Hypoxanthine-Guanine Phosphoribosyl Transferase: Molecular Basis of the Enzyme Deficiency States
1983	Robert Leslie Brooks, PhD	Paul Weinhold, PhD	Characterization and Properties of Triacylglycerol Acid Lipase from Fetal and Adult Rat Lung
1983	Steven V. Fischel, MD, PhD	Fedor Medzihradsky, PhD	Heterogeneity of opiate receptor binding in cerebral membranes, neurons, and glia from rat brain
1983	Robert C. Landick, PhD	Dale Oxender, PhD	The LIV-1 gene cluster of <i>Escherichia coli</i>
1983	Mary Jane Makowske, PhD	Halvor Christensen, PhD	Anionic amino acid transport across the plasma membrane of cultured rat hepatocytes and hepatoma cell lines
1983	Joseph C. Miller, PhD	Paul Weinhold, PhD	Synthesis of dipalmitoylphosphatidylcholine by cholinephosphotransferase in fetal and adult rat lung
1983	Gary Keith Powell, PhD	Eugene Dekker, PhD	Nonprotein amino acids of peanuts (<i>Arachis hypogaea</i>): Enzymatic, metabolic and translocation studies with 4-methyleneglutamic acid and 4-methyleneglutamine
1983	David Duncan Roberts, PhD	Irwin Goldstein, PhD	Structural and functional analyses of the lima bean lectin
1983	Dorothy Anne Schafer, PhD	Donald Hultquist, PhD	Proteolysis of microsomal cytochrome b5 and cytochrome b5 reductase by a carboxyl protease from reticulocytes
1983	Audrey Faye Seasholtz, PhD	G. Robert Greenberg, PhD	Bacteriophage T4 DNA topoisomerase: Purification properties and interaction with the membrane
1982	Shaun Dennis Black, PhD	Minor Coon, PhD	Structural Studies on Hepatic Microsomal NADPH-Cytochrome P-450 Reductase
1982	Susan Colette Daubner, PhD	Rowena Matthews, PhD	Purification and Properties of Methylene tetrahydrofolate Reductase From Pig Liver
1982	Carol Sue Federiuk, MD, PhD	Jules Shafer, PhD	Characterization of the catalytic pathway of the pyridoxal 5'-phosphate dependent enzyme D-serine dehydratase
1982	Curtis J. Henrich, PhD	David Aminoff, PhD	Isolation and characterization of a human erythrocyte senescence factor
1982	Regina M. Toomey Malczewski, PhD	Harvey Whitfield, PhD	Biochemical characterization of Chinese hamster lung cell mutants defective in the electron transport chain
1982	Raymond J. Metz, PhD	Norman Radin, PhD	The demonstration, purification, and characterization of a glucosylceramide transfer protein
1982	Michael E. O'Donnell, PhD	Charles Williams, PhD	Mechanistic features of <i>Escherichia coli</i> thioredoxin reductase catalysis
1982	Therese B. Timmons (Brozowski), PhD	Paul Weinhold, PhD	Regulation of phospholipid synthesis in fetal and adult lung
1981	Susan Leslie Berent, PhD	Norman Radin, PhD	Glucocerebrosidase Activator Protein of Bovine Spleen
1981	James E. Bishop, PhD	Amiya Hajra, PhD	Biosynthesis of Long Chain Alcohols in Developing Rat Brain
1981	Charles John Daniels, PhD	Dale Oxender, PhD	Synthesis and Processing of the Periplasmic Leucine Transport Proteins of <i>Escherichia coli</i>
1981	Paul F. Fitzpatrick, PhD	Vincent Massey, PhD	Studies on the mechanism of D-amino acid oxidase
1981	Deborah L. Higgins, PhD	Jules Shafer, PhD	Dysfibrinogenemias: Probes for establishing relationships between the structure of fibrinogen and its function in blood coagulation
1981	Paul Ralph Housley, PhD	Harvey Whitfield, PhD	A <i>Salmonella typhimurium</i> rho mutant with defective rho-associated transcription termination activity
1981	William Bustin Mattes, PhD	G. Robert Greenberg, PhD	Effect of DNA damage by mitomycin C or ultraviolet irradiation on bacteriophage T4 deoxyribonucleotide synthetase
1981	Garabed Gary Sahagian, PhD	George Jourdian, PhD	Receptor-mediated uptake of lysosomal enzymes
1981	Morris F. White, Jr., PhD	Halvor Christensen, PhD	The transport of cationic amino acids across the plasma membrane of cultured mammalian cells

1980	Narlin Bennet Beaty, PhD	David Ballou, PhD	Enzyme Mechanism of Microsomal N,S-Monooxygenase
1980	Paul Andrew Davis, PhD	Amiya Hajra, PhD	Studies of the Biosynthesis of Alkyl Dihydroxyacetone-3-Phosphate
1980	Richard P. Kitson, PhD	Eugene Dekker, PhD	Bovine kidney 2-keto-4-hydroxyglutarate aldolase: Purification, characterization, and investigation of catalytically active aminoacyl residues
1980	Christopher L. Jones, PhD	Amiya Hajra, PhD	Studies on acyl coenzyme A: Dihydroxyacetone phosphate acyltransferase
1980	Daniel D. Oprian, PhD	Minor Coon, PhD	Kinetics of reduction of cytochrome P-450LM4 and NADPH-cytochrome P-450 reductase
1980	Linda Sue Park, PhD	Prasanta Datta, PhD	The regulation of biodegradative threonine dehydratase of <i>Escherichia coli</i> K12 by intermediary metabolites
1980	Barry Paul Peters, PhD	Irwin Goldstein, PhD	<i>Bandeiraea simplicifolia</i> B4 isolectin-a probe for a-D-galactopyranosyl groups in mammalian tissues-their occurrence in basement membranes
1980	Yuan-Kai Tsao, PhD	William Lands, PhD	Effects of Positional Isomers of Trans-Octadecenoate and Arachidonate on the Growth and Metabolism of <i>Escherichia coli</i>
1979	Sharon Anne Boylan, PhD	Eugene Dekker, PhD	L-Threonine Dehydrogenase From <i>Escherichia coli</i> K-12—Purification, Properties, and Role in L-Threonine Catabolism
1979	Subhash C. Gupta, MD, PhD	Eugene Dekker, PhD	Identification, characterization and significance of 2-keto-4-hydroxyglutarate dehydrogenase activity
1979	Paul Edward Gurba, PhD	William Lands, PhD	Unsaturated fatty acid influence on cellular and mitochondrial proliferation in <i>S. cerevisiae</i>
1979	David W. Jayme, PhD	Dale Oxender, PhD	Regulation of neutral amino acid transport in Chinese hamster ovary cells
1979	Frederick A. Johnson, PhD	Jules Shafer, PhD	The ionization behavior of the imidazole and thiol groups at the active site of papain
1979	Gregory J. McClune, PhD	James Fee, PhD	Iron catalyzed superoxide dismutation
1979	Mary Helen M. Mayo, PhD	Dale Oxender, PhD	Leucine transport in <i>Escherichia coli</i> : Isolation and characterization of transport mutants and studies on regulation and energization
1979	Steven T. Olson, PhD	Vincent Massey, PhD	Purification and properties of the flavoenzyme D-lactate dehydrogenase from <i>Megasphaera elsdenii</i> and an investigation of its suicide inactivation by 2-hydroxy-3-butyrate
1979	Lucy Jean Sannes, PhD	Donald Hultquist, PhD	Kinetics and mechanism of methemoglobin reduction
1979	Lawrence M. Schopfer, PhD	Vincent Massey, PhD	Studies on the mechanism of oxidation and reduction of melilotate hydroxylase
1979	Daniel Evan Schwass, PhD	Halvor Christensen, PhD	Adaptive regulation of neutral amino acid transport in primary cultures of hepatocytes
1979	John Storrs French, PhD	Minor Coon, PhD	NADPH-cytochrome P-450 reductase: Properties and interactions with other microsomal components
1978	Paul Pan-Dai Fan, PhD	Prasanta Datta, PhD	Sialyltransferase in BHK cells
1978	Martin Edward Hemler, PhD	William Lands, PhD	Purification, stabilization, and autoregulation of cyclooxygenase-catalyzed prostaglandin formation
1978	Richard J. Kirschner, PhD	Jules Shafer, PhD	Reactions of trypsin and iodoacetate with 3T3 cells A cell surface protease-binding protein; cell density-dependent changes in glyceraldehyde 3-phosphate dehydrogenase and other thiol proteins; and formation and exit of cellular alkylated glutathione
1978	Pamela Moore Mattes, PhD	Dale Oxender, PhD	Characterization and regulation of amino acid transport in cultured CHO cells; a role for the aminoacyl-transfer-RNA synthetase in transport regulation

1978	Lee Andrew Murphy, PhD	Irwin Goldstein, PhD	Purification and characterization of a family of a-D-galactopyranosyl binding isolectins from <i>Bandeiraea simplicifolia</i> seeds
1978	Shelley Ruth Slaughter, PhD	Donald Hultquist, PhD	Studies of cytochrome b5 in erythrocytes and in immature erythroid cells
1978	Jeffrey J. Vanderbilt, PhD	John Wiseman, PhD	Bicyclo [4.2.3] deca-1, 5-diene, tricyclo [5.4.0.04,8] decane, and high pressure effects on Diels-Alder reactions
1977	Bennie Lee Baker, PhD	Donald Hultquist, PhD	A Copper-Binding Immunoglobulin from the Serum of a Hypercupremic, Multiple Myeloma Patient: Detection, Purification, Identification, and Characterization
1977	Susan Jaken, PhD	Merle Mason, PhD	Purification and characterization of g glutamyl transpeptidase from normal and malignant rat mammary tissue
1977	Robert Lee Sarber, PhD	George Jourdian, PhD	Isolation of b-hexosaminidase and a-mannosidase and their use in the determination of the carbohydrate structure of ovumucoid
1977	Ward Whitlock Smith, Jr., PhD	Martha Ludwig, PhD	The crystal structure and refinement of clostridium MP flavodoxin in the semiquinone state and some comparisons of the protein in the oxidized, semiquinone and fully reduced states
1977	Keith D. Wilkinson, PhD	Charles Williams, PhD	<i>Escherichia coli</i> lipamide dehydrogenase: Characterization of the two electron reduced state, effects of guanidinium chloride, and substrate inhibition of catalytic activity
1976	David Martin Anderson, PhD	William Folk, PhD	Polyoma Virus: DNA Iodination, Endonuclease HindIII Resistant Mutants and Virus Rescued From Transformed Cells
1976	Richard David Ball, MD PhD	Isadore Bernstein, PhD	Histidine-Rich Protein II in the Stratum Corneum - A New Marker of Epidermal Differentiation
1976	Anne Louise Cahill, PhD	Fedor Medzihradsky, PhD	Transport and Interaction of Central Nervous System Drugs in Synaptosomes
1976	Kenneth Lyle Campbell, PhD	Merle Mason, PhD	The Effects of Neonatal Treatment with o,p' -DDt on the Development of the Steroidogenic Endocrine System in the Male Rat
1976	Cinda-Sue G. Davis, PhD	Bernard Agranoff, PhD	Purification and Characterization of Phosphatidate Phosphohydrolase From a Soluble Fraction of Brain
1976	William L. Dean, PhD	Minor Coon, PhD	Immunochemical Studies on Liver Microsomal Cytochrome P-450
1976	Louis J. DeFilippi, PhD	Donald Hultquist, PhD	A Green Formylheme-Containing Protein From Bovine Red Cells: Purification, Properties, and Reactivity With Peroxides
1976	Carol Cherkis Epstein, PhD	Prasanta Datta, PhD	Subunit structure and conformational studies of homoserine dehydrogenase from <i>Rhodospirillum rubrum</i>
1976	Timothy C. Evans, MD., PhD	Fred Hoch, PhD	The pyridine nucleotide transhydrogenase of normal and hypothyroid rat liver mitochondria
1976	David Alan Filler, PhD	Paul Weinhold, PhD	Calcium-stimulated base exchange reactions of the phospholipids in cardiac microsomes
1976	Leonard Sachs, PhD	Isadore Bernstein, PhD	Transcription of epidermal chromatin at different stages of differentiation
1976	Michael Tobes, MD, PhD	Merle Mason, PhD	L-Kynurenine aminotransferase and L-alpha-aminoadipate aminotransferase: purification, characterization, and evidence for identity
1975	Donald Jon Bednarczyk, PhD	Fedor Medzihradsky, PhD	Drug Transport in the Isolated Rat Retina
1975	Yii-Der Ida Chen (Hladik), PhD	Fred Hoch, PhD	Mitochondrial inner membrane properties in hypothyroidism
1975	James Bert Flanagan, PhD	G. Robert Greenberg, PhD	Regulation of pyrimidine deoxyribonucleotide biosynthesis by the bacteriophage T4 DNA replication complex
1975	Patrick John Fleming, PhD	Amiya Hajra, PhD	1-alkyl-sn-glycero-3-phosphate: Acyl-CoA acyltransferase in rat brain

1975	Lilian Ming-Te Hsu, PhD	George Jourdian, PhD	An analytical ion exchange-gas-liquid chromatographic methodology for studying the glycosides of amino acids in urine in health and disease
1975	David W. C. Law, PhD	Lawrence Louis, PhD	Purification and properties of a diabetogenic peptide from urine of diabetic patients
1975	Jack Jay Manis, PhD	Harvey Whitfield, PhD	Isolation and characterization of a plasmid cointegrate from <i>Salmonella typhimurium</i>
1975	Rachel Myerowitz, PhD	George Jourdian, PhD	Biochemical studies on GM1 gangliosidosis Type I skin fibroblasts
1975	Michael Alan Neymark, PhD	Fred Hoch, PhD	A comparison of energy production and utilization in normal and hypothyroid rat liver mitochondria
1975	John Beyer Ohlrogge, PhD	William Lands, PhD	Consequences of altered fatty acid composition on the growth and physiology of <i>Escherichia coli</i>
1975	Steven Carl Quay, MD, PhD	Dale Oxender, PhD	Regulation of branched-chain amino acid transport in bacteria
1975	Leonard Harry Rome, PhD	William Lands, PhD	Mechanisms for the control of fatty acid oxygenation during prostaglandin biosynthesis
1975	Richard T. Ruettinger, PhD	Minor Coon, PhD	w-hydroxylase from <i>Pseudomonas oleovorans</i> : Roles for nonheme iron and phospholipid in catalysis
1974	Aaron Shepard Abramovitz, PhD	Vincent Massey, PhD	Interactions of old yellow enzyme with aromatic compounds
1974	Jodie Lee Duke, Jr., PhD	Irwin Goldstein, PhD	Structural Studies of Pneumococcal Type XII Capsular Polysaccharide; Synthesis and Immunochemistry of Two Kojibiosyl-Protein Conjugates
1974	Eric Theodore Jones, PhD	Charles Williams, PhD	Disulfide- and thiol-containing regions of yeast glutathione reductase
1974	Cheryl M. Reichert (McBroom), MD, PhD	Irwin Goldstein, PhD	The immunochemistry of anti-mannosyl antibodies sharing concanavalin a binding specificity: Further exploration of the concanavalin a carbohydrate combining site
1974	Paul Kosta Tomich, PhD	G. Robert Greenberg, PhD	Role of dCMP hydroxymethylase in deoxyribonucleotide metabolism and DNA synthesis in bacteriophage T4 infection
1974	Ronald W. Walenga, PhD	William Lands, PhD	Effects of unsaturated fatty acids on growth and respiration in <i>S. cerevisiae</i>
1973	Betty Kenyon Blosssey, PhD	Jules Shafer, PhD	Inactivation of Alpha-chymotrypsin at the Active Site by a Water Soluble Carbodiimide
1973	Robert Lee Campbell, PhD	Eugene Dekker, PhD	D-1-Amino-2-Propanol:NAD Oxidoreductase From <i>Escherichia coli</i> K-12 -- Purification, Properties, and Role in L-Threonine Metabolism
1973	Linda F. Dunham (Thompson), PhD	Alan Price, PhD	Properties and Role of the dTTP/duTP Nucleotidohydrolase Induced After ϕ e Infection of <i>Bacillus subtilis</i>
1973	Douglas Allan Feldman, PhD	Prasanta Datta, PhD	Catabolite activation of the Biodegradative Threonine Dehydratase From <i>Escherichia coli</i>
1973	Marcia I. Steinberg Flashner (Steinberg), PhD	Vincent Massey, PhD	Studies on the flavoprotein L-lysine monooxygenases
1973	Sharon Ruth Grady (Marks), PhD	Eugene Dekker, PhD	Tritium exchange, protein modification, and kinetic studies with 2-keto-4-hydroxyglutarate aldolase
1973	Lester Irving Harrison, PhD	Halvor Christensen, PhD	Effect of hormones and solute exchange on the transport of model amino acids
1973	Colleen E. Hayes, PhD	Irwin Goldstein, PhD	Isolation and characterization of an a-D-Galactosyl Binding Lectin from the seeds of <i>Bandeiraea simplicifolia</i>
1973	Robert Aldon Mathews, PhD	Graham Palmer, PhD	Chemical and physical studies of a bacterial ferredoxin
1973	Edward T. Maggio, PhD	Jules Shafer, PhD	Aminoethylpapain: Properties and reactivity of papain aminoethylated at the active site
1973	Frank Masiarz, PhD	Bernard Agranoff, PhD	Acyl-coenzyme A: a acyltransferase a novel mammalian enzyme
1973	James C. Robbins, PhD	Dale Oxender, PhD	Alanine, glycine, and serine transport by <i>Escherichia coli</i> K12

1973	Niels Daniel Schonbeck, PhD	Jules Shafer, PhD	Covalent and non-covalent interactions between apoenzyme and pyridoxal 5'-phosphate in D-serine dehydratase from <i>Escherichia coli</i>
1973	Sidney Strickland, PhD	Vincent Massey, PhD	Studies on melilotate hydroxylase and a model hydroxylating system
1972	Robert David Anderson, PhD	Martha Ludwig, PhD	The Structure of a Clostridial Flavodoxin, and Electron Transferring Flavoprotein, in the Semiquinone State: Interpretation of an Electron Density Map at 3.25 Å Resolution
1972	Peter Alexander Apgar, PhD	Martha Ludwig, PhD	2-EXO-Aminobornane-2-Carboxylic Acid HBR: Crystal and Molecular Structure of the (1R, 2R, 4S) Isomer Clostridium MP Flavodoxin: Comparison of Oxidized and Semiquinone Forms at 3.25 Å resolution
1972	Stephen M. Dungan, PhD	Prasanta Datta, PhD	Purification, Properties, and Allosteric Regulation of Aspartokinase From <i>Pseudomonas fluorescens</i>
1972	Richard S. Foemmel, PhD	Isadore Bernstein, PhD	Localization of Fructose 1, 6-diphosphate aldolase in the endoplasmic reticulum of the rat hepatocyte: Biochemical and cytochemical studies
1972	Theodore R. Oegema, Jr., PhD	George Jourdian, PhD	Studies on the physical, chemical and biological properties of ovumucoid
1972	William Stern, PhD	Paul Weinhold, PhD	Regulation of choline phosphoglyceride synthesis in developing lungs
1971	David Penfield Ballou, PhD	Graham Palmer, PhD	Instrumentation for the Study of Rapid Biological Oxidation-Reduction Reactions By EPR and Optical Spectroscopy
1971	Alan Erwin Brandt, PhD	George Jourdian, PhD	Studies on the Biosynthesis of Chondroitin Sulfate
1971	Michael Flashner, PhD	Minor Coon, PhD	Role of sulfhydryl groups in the mechanism of action of pyruvate kinase
1971	William Galbraith, PhD	Irwin Goldstein, PhD	Studies on the hemagglutinin of the lima bean
1971	Barbara Ann Hansen, PhD	Eugene Dekker, PhD	Bovine liver 2-keto-4-hydroxyglutarate aldolase: Cyanide inactivation and photooxidation studies
1971	Carolyn M. Myers, PhD	Margaret Hunter, PhD	Isolation and characterization of an extracellular high molecular weight protein-lipopolysaccharide-lipid complex of <i>Escherichia coli</i> B
1971	William Lee Smith, PhD	William Lands, PhD	Oxygenation of polyunsaturated fatty acids by sheep vesicular gland and soybean dioxygenases
1971	Howard S. Tager, PhD	Halvor Christensen, PhD	2-aminoornbornane-2-carboxylic acid: physical, chemical and biochemical properties of the four isomers
1971	Tetsufumi Ueda, PhD	Minor Coon, PhD	Purification and characterization of rubredoxin-DPN reductase, and electron carrier in w-hydroxylation
1970	Carl Julius Belke, PhD	Jules Shafer, PhD	Cyclization of some 2-hydroxymethylbenzamides: A model for the acylation of a-chymotrypsin
1970	Bruce Daniel Burleigh Jr., PhD	Charles Williams, PhD	Structural Studies on <i>Escherichia coli</i> Lipoamide Dehydrogenase
1970	Ross Sheldon Feldberg, PhD	Prasanta Datta, PhD	The Purification and Properties of L-Threonine Deaminase From <i>Rhodospirillum rubrum</i>
1970	Eglis Teodors Lode, PhD	Minor Coon, PhD	Studies on the structure and function of rubredoxin
1970	Philip George Passon, PhD	Donald Hultquist, PhD	Studies on pink copper-protein, cytochrome b5, and cytochrome b5 reductase from human erythrocytes
1970	Marilyn Schuman (Jorns), PhD	Vincent Massey, PhD	Glycolic acid oxidase: Spectral and catalytic properties
1970	Edwin Lee Thomas, PhD	Halvor Christensen, PhD	Interactions between the co-substrates of a Na ⁺ -dependent neutral amino acid transport system
1970	Gene Floyd Tutwiler, PhD	Lawrence Louis, PhD	Physiological and biological characterization of a diabetogenic peptide from bovine adenohipophysis
1969	Gordon S. Hassing, PhD	Irwin Goldstein, PhD	Studies concerned with the structure and activity of concanavalin
1969	Jerrold J. Heindel, PhD	Thomas Riggs, PhD	Growth hormone stimulation of amino acid transport in tissues of the vitamin B6 deficient rat

1969	Paul F. Hollenberg, PhD	Minor Coon, PhD	Studies on the subunit structure and catalytic site of pyruvate kinase
1969	Roger Scott Lane, PhD	Eugene Dekker, PhD	Studies on the chemical and enzymatic properties of 2-keto-4-hydroxyglutarate aldolase from bovine liver
1969	Rowena G. Matthews, PhD	Vincent Massey, PhD	Free and Complexed Forms of Old Yellow Enzyme: Their Physical and Catalytic Properties
1969	William Roy Penrose, PhD	Dale Oxender, PhD	Purification and properties of a leucine-binding protein from <i>Escherichia coli</i>
1969	David H. Petering, PhD	Graham Palmer, PhD	Aspects of the iron-sulfur chemistry of spinach ferredoxin
1969	Robert Jack Roon, PhD	Bruce Levenberg, PhD	Studies on urea amidolyase, a new biotin-enzyme of urea metabolism
1968	Byron Eugene Anderson, PhD	Dale Oxender, PhD	Studies on the Phosphoenolpyruvate Dependent Phosphotransferase system of <i>Escherichia coli</i>
1968	Beverly Ann Dale-Crunk, PhD	G. Robert Greenberg, PhD	Control of Thymine Utilization By <i>Escherichia coli</i>
1968	Hsien-wen Feng, PhD	Thomas Riggs, PhD	The effect of sulfhydryl agents on amino acid uptake by normal and estrogen-primed immature rat uteri
1968	Jonathan B. Ford, PhD	Merle Mason, PhD	The effects of steroid and non-steroid metabolites on the catalytic activity, conformation, and stability of phosphorylase b
1968	Thelma Marie Lauderbaugh, PhD	William Lands, PhD	The metabolism of 1,2-diacylglycero-3-phosphorylethanolamine
1968	Richard H. Matthews, PhD	J. Lawrence Oncley, PhD	Free diffusion: representation of the concentration gradient by means of a Gram-Charlier series, and the diffusion coefficient of insulin
1968	Dan William Reed, PhD	Donald Hultquist, PhD	Studies on chromoproteins of human erythrocytes
1968	Stanford Trent Roodman, PhD	G. Robert Greenberg, PhD	A temperature-sensitive mutant of <i>Escherichia coli</i> which produces thymidylate synthetase at non-permissive temperatures
1967	Gene Larry Cottam, PhD	Minor Coon, PhD	Catalytic Mechanism and Subunit Structure of Pyruvate Kinase
1967	Eloise Eavenson, PhD	Halvor Christensen, PhD	Amino Acid Transport Systems in the Pigeon Erythrocyte
1967	John Stewart Ellingson, PhD	William Lands, PhD	Phospholipid Reactivation of Plasmalogen Metabolism
1967	Chava T. S. Hardesty, PhD	Saul Roseman, PhD	The chemical and enzymatic synthesis of N-acetyl-D-mannosamine
1967	Rodger Dale Kobes, PhD	Eugene Dekker, PhD	Catalytic properties and mechanism of action of beef liver 2-keto-4-hydroxyglutarate aldolase
1967	Joyce Ann Livak Benjamins, PhD	Bernard Agranoff, PhD	Studies on the biosynthesis of phosphatidyl inositol
1967	Julian (Bill) Peterson, PhD	Minor Coon, PhD	Rubredoxin: Chemical Properties and Role as an Electron Carrier in Omega-Oxidation
1967	Sanford (Sandy) Singer, PhD	Merle Mason, PhD	Studies of a possible role on anionic steroid derivatives in enzyme induction
1967	Linda L. Slakey, PhD	William Lands, PhD	The composition of rat liver triglycerides
1967	Chava Telem Spivak, PhD	Saul Roseman, PhD	The chemical and enzymatic synthesis of N-acetyl-D-mannosamine
1966	Subhash C. Basu, PhD	Saul Roseman, PhD	Studies on the Biosynthesis of Gangliosides
1966	Jeanette R. W. Piperno, PhD	Dale Oxender, PhD	Neutral Amino Acid Transport Studies in <i>Escherichia coli</i> ; Isolation of a Possible Receptor Site for Leucine Transport
1966	Allen Charles Stoolmiller, PhD	Robert Abeles, PhD	The mechanism of L-2-keto-3-deoxyarabonate dehydratase in <i>Pseudomonas saccharophila</i>
1965	John Kenneth Hooper, PhD	Isadore Bernstein, PhD	The Differential Incorporation of Amino Acids (In Vivo) into Proteins of the Newborn Rat Epidermis
1965	Rosalind S. Labow, PhD	William Robinson, PhD	Crystalline D-serine dehydratase from <i>Escherichia coli</i>
1965	Richard R. Swain, PhD	Mentors: Eugene Dekker, PhD; Merle Mason, PhD	Studies on the origin and function of the cotyledonary amylase of <i>Pisum sativum</i>

1964	Jack Distler, Jr., PhD	Karl Guthe, PhD	The biosynthesis of heteropolysaccharides by <i>Streptococcus pyogenes</i> and Type XIV <i>Diplococcus pneumonia</i>
1964	Margaret I. S. Lomax, PhD	G. Robert Greenberg, PhD	Thymidylate synthetase of <i>Escherichia coli</i>
1964	Robert B. Sanders, PhD	Thomas Riggs, PhD	The effect of insulin on 1-aminocyclopentanecarboxylic acid distribution in the rat
1964	Charles G. Winter, PhD	Halvor Christensen, PhD	The transport of neutral amino acids by erythrocytes and reticulocytes
1963	Amar Nath Bhaduri, PhD	Paul Srere, PhD	Studies of the Stimulation of Fatty Acid Biosynthesis by Citrate and by Mitochondria
1963	James Edward Christner, PhD	Minor Coon, PhD	Role of Biotinyl Adenylate in the enzymatic activation of Biotin
1963	Helen Jean Gigliotti, PhD	Bruce Levenberg, PhD	Studies on the g-glutamyltransferase and arylhydrazine oxidase activities of <i>Agaricus bisporus</i>
1963	Umadas Maitra, PhD	Eugene Dekker, PhD	Enzymatic reactions in the mammalian metabolism of g-hydroxyglutamate
1963	Nancy Goldman Nossal, PhD	G. Robert Greenberg, PhD	Deoxyribonucleases of <i>Escherichia coli</i> infected with T2 Bacteriophage
1963	Fritz M. Rottman, PhD	Armand Guarino, PhD	The mode of action of cordycepin in the inhibition of <i>Bacillus subtilis</i> growth
1963	Lewis Dale Stegink, PhD	Minor Coon, PhD	Purification and properties of the b-hydroxy-b-methylglutaryl coenzymes a cleavage enzyme from beef liver
1962	Dexter Daniel Fossitt, PhD	Isadore Bernstein, PhD	Biosynthesis of ribose and deoxyribose in <i>Pseudomonas saccharophila</i>
1962	Naba Kumar Gupta, PhD	William Robinson, PhD	Enzymatic reactions related to the metabolism of lactaldehyde and urocanic acid
1962	LaVerne Gene Schirch, PhD	Merle Mason, PhD	A study of serine transhydroxymethylase
1962	Huber Richard Warner,	William Lands, PhD	The structure and metabolism of plasmalogen
1961	George Watha Kosicki, PhD	Paul Srere, PhD	Studies on the citrate condensing enzyme
1961	Ronald L. Somerville, PhD	G. Robert Greenberg, PhD	Nucleotide metabolism in <i>Escherichia coli</i> infected with bacteriophage T2
1960	Alice del Campillo-Campbell, PhD	Minor Coon, PhD	An Enzymatic Study of the Carboxylation Reaction in Leucine Metabolism
1960	Walter B. Dempsey, PhD	Halvor Christensen, PhD	The Formation of a Stable Complex Between Pyridoxal 5'-Phosphate and Bovine Serum Albumin
1960	Sondra Schlesinger, PhD	G. Robert Greenberg, PhD	Formation of deoxycytidylate hydroxymethylase and phage by disrupted T2 bacteriophage
1959	Usama A. S. Al-Khalidi, PhD	G. Robert Greenberg, PhD	Microbial Riboflavin Biosynthesis and the Isolation of a New Guanine Derivative
1959	David Harry Kessel, PhD	Halvor Christensen, PhD	Effect of 2,4-diaminobutyrate on cerebral metabolism of g-aminobutyric acid
1959	Richard S. Kowalczyk, PhD	Halvor Christensen, PhD	Factors affecting the distribution of an unmetabolizable amino acid, a-aminoisobutyric acid, in man
1959	Milton Schlesinger, PhD	Minor Coon, PhD	Enzymatic reactions related to the metabolism of b-Hydroxy-b-Methylglutaryl Coenzyme A
1958	Halina Den, PhD	Minor Coon, PhD	Biological Omega Oxidation
1958	Edward A. Kravitz, PhD	Armand Guarino, PhD	A directing effect of inorganic phosphate on the pathways of hexose phosphate metabolism
1958	Arthur L. Kretchmar, MD, PhD	Adam Christman, PhD	On the mode of action of the adrenal cortical hormones in protein metabolism
1957	Marshall W. Nirenberg, PhD	James Hogg, PhD	Hexose uptake in ascites tumor cells
1954	Herman De Haas, PhD	Raymond Garner, PhD	The Substrate Specificity of Fructose-1, 6-Diphosphatase
1954	John V. Fopeano, Jr., PhD	Melvin Levine, PhD	The effect of amino acid analogs on protein metabolism: I. Synthesis of DL-b, b-Diethylalanine and assay of its effect on rat growth and liver composition II. Study of Alterations in rat plasma protein fractions induced by ethionine administration

1954	Herbert Bowen Pahl, PhD	Raymond Garner, PhD	Some aspects of galactose metabolism in the mammalian organism
1952	John Philip Davison, PhD	Henry Eckstein, PhD	The Influence of Prolonged Fasting on the Distribution of Lipids in the Tissues and Blood Plasma of the Adult White Rat
1952	Otto Wilhelm Neuhaus, PhD	Lila Miller, PhD	Enzymatic hydrolysis of acetylated protein
1952	Laura W. Rahm (Hawkins), PhD	Howard Lewis, PhD	A study of the utilization of acetylmethionine and ethionine by the animal organism
1952	Helen L. C. Wu, PhD	Howard Lewis, PhD	The relation between the nature of the dietary protein and the production of experimental alkaptonuria in the white rat
1951	Baldrige, Robert C., PhD	Howard Lewis, PhD	The Metabolism of Ergothioneine in the Animal Organism
1951	Adrian Hainline, Jr., PhD	Howard Lewis, PhD	Some problems of biological conjugation of benzoic acid
1951	Raymond E. Knauff, PhD	Howard Lewis, PhD	Thiamine deprivation and the utilization of certain keto acids by the rat
1951	Leo Lutwak, PhD	Raymond Garner, PhD	Studies on glyoxalase
1951	Arthur Robert Schulert, PhD	Howard Lewis, PhD	Enzymtic reactions related to the metabolism of b-Hydroxy-b-Methylglutaryl Coenzyme A
1951	Herbert Weinfeld, PhD	Adam Christman, PhD	A study of the metabolism of caffeine and theophylline
1951	Chung Wu, PhD	James Hogg, PhD	The amino acid composition and nitrogen metabolism of <i>Tetrahymena geleii</i>
1950	Gordon C. Mills, PhD	Adam Christman, PhD	Studies of hemoglobin degradation
1950	D. Maxwell Teague, PhD	Howard Lewis, PhD	The aromatic amino acids of native and deaminized proteins-spectrophotometric study
1950	Evelyn Pease Tyner, PhD	Howard Lewis, PhD	The antilipotrophic activity of cystine
1950	George S. Wells, PhD	Howard Lewis, PhD	Urinary excretion of histidine by pregnant and non-pregnant individuals
1948	Stanley Cohen, PhD	Howard Lewis, PhD	The Nitrogenous Metabolism of the Earthworm
1946	William J. Wingo, PhD	Howard Lewis, PhD	The synthesis and intermediary metabolism of some sulfur analogues of cystine: Isocysteine
1945	Oliver H. Buchanan, PhD	Adam Christman, PhD	The metabolism of the methylated purines
1945	Max Schlamowitz, PhD	Raymond Garner, PhD	Enzymatic dephosphorylation of ribonucleic acid a study of the soybean nucleases
1945	Hui-Lan Yeh, PhD	Howard Lewis, PhD	Studies of the proteins of the tung nut (<i>A. fordii</i>)
1945	Dominic D. Dziewiatkowski, PhD	Howard Lewis, PhD	Studies in Detoxication
1944	Max Eli Chilcote, PhD	Howard Lewis, PhD	The Metabolism of Thiophene and Some of its Derivatives
1944	John Zim Hearon, Jr., PhD	Raymond Garner, PhD	The components of the glucose dehydrogenase system
1944	Robert F. Witter, PhD	Howard Lewis, PhD	The metabolism of monobromobenzene, benzene, benzyl chloride, and related compounds in the rabbit
1943	Marjorie J. Groothuis (Horning), PhD	Henry Eckstein, PhD	Factors influencing phospholipid metabolism
1943	Stanley Levey, PhD	Howard Lewis, PhD	The metabolism of phenoxyacetic acid, its higher homologues, and the monochlorophenoxyacetic acids
1943	Yen Hoong Loo, PhD	Howard Lewis, PhD	A study of some of the factors influencing the liver glycogen content of young white rats
1943	Frances A. Schofield, PhD	Howard Lewis, PhD	A comparative study of the metabolism of amino derivatives of propionic acid
1943	Bernard Shacter, PhD	Howard Lewis, PhD	The comparative metabolism of the amino acids. A study of the behavior of the aromatic amino acids, tyrosine and phenylalanine
1943	Eugene Roberts, PhD	Howard Lewis, PhD; Henry Eckstein, PhD	Factors Influencing the Deposition of "Fat" in the Liver
1942	William J. Darby Jr., PhD	Howard Lewis, PhD	The Intermediary Metabolism of Histidine and Some Related Imidazole Derivatives
1942	Andrew A. Ormsby, PhD	Howard Lewis, PhD	Changes in the nitrogenous constituents of the urine following the administration of amino acids
1942	Tersti P. Salo, PhD	Howard Lewis, PhD	A comparative chemical study of the keratins

1940	Lynn De Forrest Abbott Jr., PhD	Howard Lewis, PhD	Glycine Precursors: The Availability of Some N-Alkyl Glycine Derivatives for the Synthesis of Hippuric Acid by the Rabbit
1940	Frank Raymond Blood, PhD	Howard Lewis, PhD	The Intermediary Metabolism of Some Sulfur-Containing Compounds Related to Cystine
1940	Joseph Henry Gast, PhD	Howard Lewis, PhD	A study of the origin and significance of thiosulfate in the animal organism
1940	Margaret E. Nalder, PhD	Howard Lewis, PhD	The utilization of lactose by the white rat
1940	Sam Allen Singal, PhD	Howard Lewis, PhD	The lipotropic action of some sulfur-containing amino acids and related substances
1939	Carleton R. Treadwell, PhD	Henry Eckstein, PhD	A study of the effect of high and low fat diets on the cholesterol metabolism of four generations of white rats
1939	Bruno Vassel, PhD	Howard Lewis, PhD	A comparative study of the effects of glucose, sucrose, fructose and invert sugar on growth, fat and glycogen formation in the white rat
1939	Julius Schultz, PhD	Howard Lewis, PhD	A study of the factors influencing the detoxification of selenium in the animal body
1938	Walter David Block, PhD	Howard Lewis, PhD	A Comparative Study of Factors Which Influence the Chemical Composition of Some Keratins
1938	Pong Cheh Jen, PhD	Howard Lewis, PhD	The metabolism of some derivatives of cystine
1938	Gertrude Rodney, PhD	Howard Lewis, PhD	The oxidative deamination of some isomeric aminopropionic acids
1938	Sidney F. Velick, PhD	Howard Lewis, PhD	A study of the precursors of taurocholic acid
1937	Barker Hastings Brown, PhD	Howard Lewis, PhD	Studies of the Intermediary Metabolism of the Sulfur-Containing Amino Acids of the Protein Molecule
1938	Ross Aiken Gortner, Jr., PhD	Howard Lewis, PhD	A study of the factors which influence the toxicity of selenium compounds
1937	Evelyn V. Heard, PhD	Howard Lewis, PhD	The relation of dietary methionine to the growth and the chemical composition of the hair of the white rat
1937	Joseph Isaac Routh, PhD	Howard Lewis, PhD	Chemical studies of the keratin of wool and its reduction products, the kerateines
1937	Lawrence Louis, PhD	Howard Lewis, PhD	The composition of tissue proteins as influenced by the hepatic poisons, hydrazine and phosphorus
1936	Lila Miller, PhD	Howard Lewis, PhD	Enzymatic decomposition on native protein
1936	Evangeline T. Papageorge, PhD	Howard Lewis, PhD	Studies in the intermediary metabolism of phenylalanine
1936	Svend Pederson, PhD	Howard Lewis, PhD	A comparative study of the metabolism of glutamic acid, pyrrolidone carboxylic acid, proline, and hydroxyproline in the rabbit
1935	Adelaida M. Bendana (Brown), PhD	Howard Lewis, PhD	The Utilization of Insulin by the White Rat
1935	Norbert Harper Fell, PhD	Howard Lewis, PhD	Chemical and immunological properties of the proteins of silk
1935	Florence Roy White, PhD	Howard Lewis, PhD	The metabolism of some peptides containing cystine or derivatives of cystine
1934	William C. Lee, PhD	Howard Lewis, PhD	A study of the influence of the state of nutrition upon the composition of the tissues and protein of the white rat
1933	Robert L Grant, PhD	Howard Lewis, PhD	The preparation and properties of some products of the partial hydrolysis of the fibroin of silk
1933	S. Allan Lough, PhD	Howard Lewis, PhD	The oxidation of cystine and some related sulfur compounds in vitro
1933	Alfred K. Silberman, PhD	Howard Lewis, PhD	The metabolism of rhamnose a natural occurring methyl pentose
1933	Victor Julius Tulane, PhD	Howard Lewis, PhD	Hippuric acid synthesis in hydrazine poisoning
1933	Robert Wallace Virtue, PhD	Howard Lewis, PhD	Comparative studies on the metabolism of 1-cystine and d1-methionine in the organism of the rabbit
1932	Mabel Marie Miller, PhD	Howard Lewis, PhD	The utilization of xylose by the white rat
1931	Abraham White, PhD	Howard Lewis, PhD	The effect of the oral administration of bromobenzene to the dog on the partition of urinary sulfur

1930	Joseph P. Chandler, PhD	Howard Lewis, PhD	The Intermediary Metabolism of Phenylalanine
1930	Howard D. Lightbody, PhD	Howard Lewis, PhD	The relation of the protein and cystine content of the diet to the growth and chemical composition of the hair, and changes in the chemical composition of hair caused by extraction with water
1929	Frank Hartman Wiley, PhD	Howard Lewis, PhD	The action of nitrous acid on casein
1929	Robert Hugh Wilson, PhD	Howard Lewis, PhD	Comparative studies of the metabolism of amino acids
1927	Margaret W. Johnston, PhD	Howard Lewis, PhD	A comparative study of the rate of metabolism of certain amino acids
1927	George T. Lewis, PhD	Howard Lewis, PhD	The utilization of some organic derivatives containing sulfur and of elementary sulfur by the organism of the white rat
1927	Olive May Searle, PhD	Howard Lewis, PhD	Metabolism in psychoses. Fasting blood sugar and glucose tolerance
1927	Genevieve Sterns, PhD	Howard Lewis, PhD	Studies on the intermediary metabolism of cystine
1926	Seiichi Izume, PhD	Howard Lewis, PhD	On the influence of substitution in the hydrazine molecule upon the hypoglycemic effect of hydrazine
1924	Daniel A. McGinty, PhD	Howard Lewis, PhD	The problem of amino acid synthesis in the animal organism ; a study of some possible precursors of lysine
1924	Helen Updegraff, PhD	Howard Lewis, PhD	The organic constituents of saliva