

Biochemistry and Molecular Biology

Refereed publications and book chapters published

J. Nuss and G. M. Alter, 'Denaturation of replication protein A reveals an alternative conformation with intact domain structure and oligonucleotide binding activity.', *Protein Science.*, 13, 1365-1378, 2004.

M. Wunderlich, M. Ghosh, K. Weghorst, and SJ Berberich, 'MdmX inhibits E2F1 transactivation', *Cell Cycle*, 3, 472-478, 2004.

Ghosh, M., Liu, G., Randall, G., Bevington, J., and Leffak, M., 'Transcription Factor Binding and Induced Transcription Alter Chromosomal c myc Replicator Activity', *Mol. Cell. Biol.*, 24, 10193-10207, 2004.

Casper, J., Kemp, M., Ghosh, M., Randall, G., Vaillant, A. and Leffak, M., 'The c-myc DNA Unwinding Element Binding Protein Modulates DNA Replication in Vitro', *J. Biol. Chem.* (In Press)

Kemp, M., Ghosh, M., Liu, G., and Leffak, M., 'The Histone Deacetylase Inhibitor Trichostatin A Alters Replication Origin Activity in Human Cells', *Nucleic Acids Research*, 33, 325-336, 2005. (In Press)

C. Jomary, R.M. Darrow, P.Wong, D.T. Organisciak, S.E. Jones, 'Expression of Neurturin, Glial Cell Line Derived Neurotrophic Factor, and Their Receptor Components in Light-Induced Retinal Degeneration', *Invest. Ophthalmol. Vis. Sci.*, 45, 1240-1246, 2004.

P. Wong, A. Ziesel, T. Erickson, M. Chrenek, M. Patterson, A. Gaultier, B. Wilton, M. Block, J. Stepczynski, B. McDonald, B. Maciejko, C. Gee, V. Lam, D. Ng, R. Kelln, P. Lagali, D.Organisciak, R. Ayyagari, Y. Myal, 'Using Meta-biodata and Array Analysis to Study Disease States', In *Transactions of the Intergrated Bio-Medical Informatics and Enabling Technologies Symposium (TIBETS)*, 1, 102-117 , 2004.

R. Grewal, J. Stepczynski, R. Kelln, T. Erickson, R. Darrow, L. Barsalou, M. Patterson, D.T.Organisciak, P. Wong, 'Coordinated Changes in Classes of Ribosomal Protein Gene Expression is Associated with Light-Induced Retinal Degeneration', *Invest Ophthalmol. Vis. Sci.*, 45, 3885-3895, 2004.

Z. Ablonczy, R.M. Darrow, D.R. Knapp, D.T. Organisciak, R.K. Crouch, 'Rhodopsin Phosphorylation in Rats Exposed to Intense Light', *Photochem. Photobiol.* (In Press)

John V. Paietta, 'Regulation of Sulfur Metabolism in Mycelial Fungi', *The Mycota: Biochemistry and Molecular Biology*, III, 369-382, 2004.

K. A. Borkovich, L. A. Alex, O. Yarden, M. Freitag, G. E. Turner, N. D. Read, S. Seiler, D. Bell-Pederson, J. V. Palletta, N. Plesofsky, M. Plamann, M. Tanrikulu-Goodrich, U. Schulte, G. Mannhaupt, F. E. Nargang, A. Radford, C. Selitrennikoff, J. E. Galagan, J. C. Dunlap, J. J. Loros, D. Cateside, H. Inoue, R. Aramayo, M. Polymenis, E. U. Selker, M. S. Sachs, G. A. Marzluf, I. Paulsen, R. Davis, D. J. Ebbole, A. Zelter, E. Kalkman, R. O'Rourke, F. Bowring, J. Yeardon, C. Ishii, K. Suzuki, W. Sakai and R. Pratt, 'Lessons from the genome sequence of *Neurospora crassa*: Tracing the path from genomic blueprint to multicellular organism', *Microbiology and Molecular Biology Reviews*, 68, 1-108, 2004.

D.P. Zimmer, O. Paliy, B. Thomas, P. Gyaneshwar, and S. Kustu, 'Genome Image programs: visualization and interpretation of *Escherichia coli* micro array experiments', *Genetics*, 167, 2111-2119, 2004.

P. Gyaneshwar, O. Paliy, J. McAuliffe, D. L. Popham, M.I. Jordan and S. Kustu, 'Sulfur and nitrogen limitation in *Escherichia coli* K12: specific homeostatic responses', *J Bacteriology*. (In Press)

L. Zheng, M. Zhou, Q. Chai, J. Parrish, D. Xue, S. M. Patrick, J. J. Turchi, , S. Yannone, D. C. J. Chen, and B. Shen, 'Flap Endonuclease (FEN-1) complex processes stalled replication forks', *EMBO Reports*. (In Press)

D. Riegler, L.A. Shroyer, C. Pokalsky, D. Zaslavsky, R. Gennis, and L.J. Prochaska 'Characterization of Steady-state Activities of Cytochrome c Oxidase at Alkaline pH: Mimicking the Effect of K-channel Mutations in the Bovine Enzyme.', *Biochimica Biophysica acta*. (In Press)

B. Hoffman-Kuczynski and N. V. Reo, 'Studies of Myo-Inositol and Plasmalogen Metabolism in Rat Brain', *Neurochemical Research*, 29, 843-855, 2004. B. Hoffman-Kuczynski and N. V. Reo, 'Administration of Myo-Inositol Plus Ethanolamine Elevates Phosphatidylethanolamine Plasmalogen in the Rat Cerebellum', *Neurochemical Research*. (In Press)

Andrews, B.J. and Turchi, J.J. , 'Development of a High-Throughput Screen for Inhibitors of Replication Protein A and it's Role in Nucleotide Excision Repair', *Molecular Cancer Therapeutics*, 5, 385-391, 2004.

K.S.Pawelczak, B.J. Andrews and John J. Turchi, 'Differential activation of DNA-PK based on DNA strand orientation and sequenced bias', *Nucleic Acids Research*, 33, 152-161, 2005. (In Press)

Li Zheng¹, Mian Zhou¹, Qing Chai¹, Steve M. Patrick², John J. Turchi², Jay Parrish^{3,5}, Ding Xue³, Steven Yannone⁴, David C. J. Chen⁴, and Binghui Shen¹, 'Flap endonuclease-1 complex processes stalled DNA replication forks', *EMBO Reports*. (In Press)

Eric Giraud and Darrell Fleischman, 'Nitrogen-fixing symbiosis between photosynthetic bacteria and legumes', *Photosynthesis Research*, 82, 115-130, 2004.

D.J. Vanderah, H. La, J. Naff, V. Silin, K.A. Rubinson, 'Control of Protein Adsorption: Molecular Level Structural and Spatial Variables', *J. Am. Chem. Soc.*, 126, 13639-13641, 2004.

S.C. Peterangelo and P.G. Seybold, "Synergistic Interactions Among QSAR Descriptors", *Int. J. Quantum Chem.*, 96, 1-9, 2004.

C.A. Hollingsworth, P.G. Seybold, L.B. Kier, and C.K. Cheng, "First-Order Cellular Automata Simulations of the Lindemann Mechanism", *Int. J. Chem. Kinetics*, 36(4), 230-237, 2004.

Y. Ma, K.C. Gross, C.A. Hollingsworth, P.G. Seybold, and J.S. Murray, "Relationships between Aqueous Acidities and Computed Surface Electrostatic Potentials and Local Ionization Energies of Substituted Phenols and Benzoic Acids", *J. Molecular Modeling*, 10, 235-239, 2004.

Johathan Nuss, Deacon Sweeney, and Gerald M. Alter, 'Reactivity-based Analysis of Domains Structures in Native Replication Protein A', *Biochemistry*. (Submitted)

R. Ryan Geyer, Sudhir S. Patli, Gerald M. Alter, Jonathan P. Hosler, Lawrence J. Prochaska, 'Cytochrome c Oxidase Subunit I From *Rhodobacter sphaeroides* Assumes an Alternative Conformation in the Absence of Subunit III.', *Biochemistry*. (Submitted)

Jonathan E. Nuss, Steve M. Patrick, Greg G. Oakley, Gerald M. Alter, Jacob G. Robison, Kathleen Dixon and John J. Turchi, 'DNA Damage Induced Hyper-Phosphorylation of Replication Protein A. 1. Identification of Novel Sites of Phosphorylation in Response to DNA Damage', *Journal of Biological Chemistry*. (Submitted)

Mithua Ghosh, Karen Weghorst and Steven J. Berberich, 'MdmX inhibits ARF mediated Mdm2 sumoylation', *Journal of Biological Chemistry*. (Submitted)

S.M. Rozanzhak, M.P. Kadakia, T.M. Caserta, T.R. Westbrook, M.O. Stone and R.R. Naik, 'Cellular Internalization and Organelle Targeting of Semiconductor Quantum dots', *Chem. Commun.* (Submitted)

Ghosh, G., Ritzi, M., Kemp, M., Schepers, A., Liu, G., Leffak, M., 'Differential binding of replication proteins across the human c myc replicator.', *EMBO Journal*. (Submitted)

Moaddel, R., Price, G.B., Juteau, J., Leffak, M., and Wainer, I.W., 'The synthesis and initial characterization of an immobilized DNA unwinding element binding protein chromatographic stationary phase.', *J. Chromatography*. (Submitted)

J. E. Nuss, S. M. Patrick, G. Oakley, G. M. Alter, K. Dixon, and J. J. Turchi, 'DNA Damage Induced Hyper phosphorylation of Replication Protein A. 1. Identification of Novel Sites of Phosphorylation in Response to DNA Damage.', *Biochemistry*. (Submitted)

S. M. Patrick, G. G. Oakley, K. Dixon, and J. J. Turchi, 'DNA Damage Induced Hyper-Phosphorylation of Replication Protein A. 2. Characterization of DNA Binding Activity, Protein Interactions and Activity in DNA Replication and Repair', *Biochemistry*. (Submitted)

Jonathan E. Nuss, Steve M. Patrick, Gerald M. Alter, Kathleen Dixon and John J. Turchi, 'Multiple Sites of Phosphorylation on Replication Protein A (RPA) Subunits Contribute to an Altered Affinity for Damaged DNA. ', *Biochemistry*. (Submitted)

Steve M. Patrick, Greg G. Oakley, Kathleen Dixon and John J. Turchi, 'DNA Damage Induced Hyper-Phosphorylation of Replication Protein A (RPA) effects DNA Replication and DNA Repair via Alterations in DNA Binding Activity and Protein-Protein Interactions.', *Biochemistry*. (Submitted)

P.G. Seybold, L.B. Kier, and C.K. Cheng, "Cellular Automata Models for Chemistry", *J. Chem. Educ.* (Submitted)

W.C. Kreye and P.G. Seybold, "Ab initio study of the product ratio $[O(3P)]/[OH\cdot]$ for the reaction $CH_3 + O(1D) \rightarrow$ products $(OH\cdot, O(3P))$, *Chemical Physics* (Submitted)

Abstracts/Presentations and invited talks

G.M. Alter, J. Nuss, and J. Oberoi, Prediction and Experimental Support for a Structure of Replication Protein A, 18th Annual Symposium of the Protein Society, San Diego CA 8/14/2004 – 8/18/2004 (Poster).

Heminger, K., Dwarakanath, B. and Berberich, S.J, Gene expression alterations induced by 2-deoxy-glucose radiosensitization of malignant glioma cells. American Association for Cancer Research, Orlando, FL 3/25/2004 –3/31/2004 (Poster).

Kate Heminger, Viney Jain, Madhavi Kadakia , BS Dwarakanath, Steven Berberich, Effects of 2-deoxyglucose on the alterations in gene expression induced by ionizing radiation in a human glioma cell line, International conference on Recent Trends in Radiation Biology, Anushaktinagar, Mumbai 12/1/2004 – 12/3/2004 (Platform).

M.P. Kadakia, S.M. Rozanzhak, T.M. Caserta, T.R. Westbrook, M.O. Stone and R.R. Naik, Cellular Internalization and Targeting of Nanoparticles, 229th American Chemical Society National meeting, San Diego, CA 3/13/2005 –3/17/2005 (Platform).

R. Kommagani, T.M. Caserta and M.P.Kadakia, Role of p63 in prostate cancer progression, Central research forum, School of Medicine, 10/19/2004 –10/19/2004 (Poster).

T.M.Caserta, R. Kommagani, D. Robbins, C. Mercer and M.P.Kadakia, P63gamma activates expression of Sonic Hedgehog gene, Central Research Forum. School of Medicine, 10/19/2004 - 10/19/2004 (Poster).

D.T. Organisciak, K.M. Henkels, K.West, J.Sun, J.W. Crabb, R.M. Darrow, Intense Light- and Time-Dependent Changes in Rat Rod Outer Segment Crystallins, The Association for Research in Visions and Ophthalmology, Fort Lauderdale, FL 4/25/2004 - 4/29/2004 (Poster).

L.S. Barsalou, R.M. Darrow, D.T. Organisciak, Time-Dependent and Intense Light-Induced Changes in Retinal Gene Expression, The Association for Research in Visions and Ophthalmology, Fort Lauderdale, FL 4/25/2004 - 4/29/2004 (Poster).

R.M. Darrow, K.M. Henkels, S.G. Siraj, K.West, J.Sun, J.W. Crabb, D.T. Organisciak, Genetic, Age and Light Mediated Effects on Retinal Crystallins, The Association for Research in Visions and Ophthalmology, Fort Lauderdale, FL 4/25/2004 - 4/29/2004 (Poster).

V.Palamalai, H.Sakaguchi, R.M. Darrow, D.T. Organisciak, M.Miyagi, Retinal protein nitration during intense light exposure, The Association for Research in Visions and Ophthalmology, Fort Lauderdale, FL 4/25/2004 - 4/29/2004 (Poster).

M.L. Patterson, D.T. Organisciak, L.Barsalou, R.M. Darrow, P.W. Wong, Decreased diphthamide methyltransferase expression is associated with the process of Light-induced retinal degeneration and apoptosis, The Association for Research in Visions and Ophthalmology, Fort Lauderdale, FL 4/25/2004 - 4/29/2004 (Poster).

S.C. Khani, J.E. Young, R.M. Darrow, K.W. Gross, D.T. Organisciak, Regulation of Rhodopsin Kinase Promoter; the Effect of Development and Light, The Association for Research in Visions and Ophthalmology, Fort Lauderdale, FL 4/25/2004 - 4/29/2004 (Poster).

J.V. Paietta, Regulation of Sulfur Metabolism in Neurospora crassa, Neurospora 2004, Asilomar, California 3/25/2004 - 3/28/2004 (Poster).

O. Paliy, P. Gyaneshwar, L. N. Csonka, Transcriptome Analysis of the Overlap Between Osmotic and Thermal Control of Gene Expression in Escherichia coli K-12, ASM Conference on Integrating Metabolism and Genomics, Montreal 4/30/2004 - 5/3/2004 (Poster).

Jeffrey Horn and Steve M. Patrick, Enzymatic Processing of Cisplatin-DNA Interstrand Cross-links, 6th Annual Midwest DNA Repair Meeting, Lexington, KY 6/5/2004 - 6/6/2004 (Poster).

R., Geyer, S. Patli, G.M. Alter, J.P. Hosler, and L.J. Prochaska, Further Evidence for Subunit III Stabilizing the Quaternary Structure of Rhodobacter sphaeroides Cytochrome c Oxidase., Gordon Research Conference on Cellular and Molecular Bioenergetics, Andover, NH 6/18/2004 - 6/24/2004 (Poster).

R., Geyer, S. Patli, G.M. Alter, J.P. Hosler, and L.J. Prochaska, Further Evidence for Subunit III Stabilizing the Quaternary Structure of Rhodobacter sphaeroides Cytochrome c Oxidase., Biophysical Society Annual Meeting, Baltimore, MD 2/10/2004 - 2/14/2004 (Platform).

B. Kuczynski and N. V. Reo, NMR Assessment of Brain Phospholipids and the Potential Role of Phosphatidylethanolamine Plasmalogen as an in vivo Antioxidant, Experimental NMR Conference, Asilomar, CA 4/18/2004 - 4/23/2004 (Poster).

M. P. Westrick, N. DelRaso, R. Stotts and N. V. Reo, Metabonomics - A novel Way to Evaluate Metabolism, Society of Armed Forces Medical Laboratory Scientists 2004 Meeting and Workshop, Boston, MA 2/23/2004 - 2/26/2004 (Platform).

Kelly S. Trego and John J. Turchi, Pre-steady state binding of XPC-hHR23B to undamaged and cisplatin damaged DNA studied by intrinsic fluorescence., 6th Annual Midwest DNA repair, Lexington KY 6/01/2004 - 6/2/2004 (Poster).

Jason A. Lehman and John J. Turchi, Mass Spectrometry Analysis of the Human Ku Heterodimeric Protein for DNA-Binding Regions, 6th Annual Midwest DNA repair, Lexington KY 6/1/2004 - 6/2/2004 (Poster).

Kambiz Tahmaseb and John J. Turchi., Expression and purification of telomerase subunits., 6th Annual Midwest DNA repair, Lexington KY 6/1/2004 - 6/2/2004 (Poster).

Heather Boeckman, Kelly Trego, and John J. Turchi., Mechanism of cisplatin radiosensitization., AACR 95th annual meeting, Orlando, FL 4/1/2004 - 4/5/2004 (Poster).

Katherine Pawelczak, Brooke Andrews, and John Turchi., The effect of cisplatin adduct position, orientation and strand bias on the activation of DNA-PK., 6th Annual Midwest DNA repair, Lexington KY 6/1/2004 - 6/2/2004 (Poster).

Brooke J. Andrews, Katherine S. Pawelczak and John J. Turchi., Development of solution based assays to analyze the interaction of Ku with cisplatin-damaged DNA and determine the effect of orientation on binding., 6th Annual Midwest DNA repair, Lexington KY 6/1/2004 - 6/2/2004 (Poster).

Jiazhen Wang and John J. Turchi., Analysis of DNA Repair Protein Expression in Cisplatin-Resistant Ovarian Cancers by SELDI-TOF Mass Spectrometry., 6th Annual Midwest DNA repair, Lexington KY, 6/1/2004 - 6/2/2004 (Poster).

Jason A. Lehman and John J. Turchi., MALDI-TOF Mass Spectrometry Analysis of the Human Ku Heterodimeric Protein for DNA-Binding Regions., 6th Annual Midwest DNA repair, Lexington KY 6/1/2004 - 6/2/2004 (Poster).

Gerald Alter, Bioinformatics and How to Calculate and Protein's Structure , Biochemistry and Molecular Biology Program, Union College, Defiance OH, 10/28/2004 -10/29/2004.

Partick Dennis, The Regulation of Autophagy: Is it Time to Eat Yet?, University of Indiana/Purdue University, Indianapolis, Indiana, 11/29/2004 - 11/30/2004.

I.M. Leffak, Analysis of the Human c-myc Replicator, Univ. of Illinois at Chicago, Dept. of Biochemistry, Chicago, IL, 4/21/2004 - 4/22/2004.

I.M. Leffak, The c-myc DNA unwinding element binding protein, DUE-B, Bioanalytical Chemistry and Drug Discovery Section, NIA/NIH, Washington, D.C., 11/5/2004.

John Turchi, Cancer research at WSU, OVALS Ohio Valley Life Sciences Symposium.,Louisville KY, 3/1/2004 - 3/2/2004.

John Turchi, Recognition and Repair of cisplatin DNA damage, IUPUI Cancer Center, Indianapolis, IN, 12/1/2004.

Invitation to Participate in or Chair Symposia

Gerald Alter, 22nd Annual Symposium on Man and His Environment, Scavenging Enzymes and Multiple Chemical Sensitivity, 6/24/2004 - 6/26/2004, Dallas TX. (Invited Participant)

Daniel Organisciak, Ohio Lions Research Symposium, Antioxidant Mediated Gene Expression in Retinal Light Damage, 10/3/2004, Columbus, OH. (Invited Participant)

Lawrence Prochaska, Bioenergetics and Oxidative Phosphorylation, 2/11/2004 - 2/15/2004, Biophysical Society 2004 Annual Meeting, Baltimore, MD. (Session Chair)

Member of Editorial Board

Daniel Organisciak, Current Eye Research (4) Investigative Ophthalmology Molecular Visions Science (Guest Editor)

Daniel Organisciak, Review of Grant Proposals/ Study Section Member/Ad Hoc

Gerald Alter, National Science Foundation (Ad Hoc)

Steven Berberich, National Cancer Institute (NIH) Cancer Molecular Pathobiology (Ad Hoc)

Steven Berberich, WSU-SOM Research committee (Ad Hoc)

Patrick Dennis, American Heart Association (Ad Hoc)

I.M. Leffak, Israel Cancer Research Foundation (Ad Hoc)

I.M. Leffak, NIH, Biochemistry (Ad Hoc)

John Paietta, Council for Earth and Life Sciences Dutch Research Council (NOW) VENI Program (Ad Hoc)

John Paietta, National Science Foundation (Ad Hoc)

Lawrence Prochaska, American Heart Association Ohio Valley/Southern Affiliate (Ad Hoc)

Nicholas Reo, American Heart Association/Southern and Ohio Valley 4B (Ad Hoc) The Analyst, published by the Royal Society of Chemistry (Member) The Wellcome Trust (Ad Hoc)

John Turchi, American Cancer Society Cancer Drug Discovery (Ad Hoc)

John Turchi, NIH SEP for National Cooperative Drug Discovery Group (Ad Hoc)

Offices Held in National/Professional Organizations

Dr. Berberich - Sigma Xi: WSU Chapter (Vice President)

Dr. Kadakia - Appointed as Full faculty member in the Biomedical Sciences Ph.D. Program. Associate member in the American Association of Cancer Researchers. Committee member of the Miami Valley Association for Women in Science

Dr. Organisciak - Editorial Board, Current Eye Research. Guest Editorial Board Member, Investigative Ophthalmology and Visual Science. Trustee Biochemistry and Molecular Biology, Association for Research in Vision and Ophthalmology (ARVO) elected 2002-2007

Dr. Prochaska - Board of Directors, American Heart Association, Miami Valley, Dayton. Co-Chair of American Heart Association Ohio Valley-Southern Consortium, Peer Review Study Section on Molecular Biology

Consultantships

Dr. Leffak, Dayton Heart Hospital, Dayton, OH

Dr. Leffak, Replicor Inc., Montreal, CA

Special Events/ Departmental Seminar Series

Dr. Randal Kaufman, Department of Biological Chemistry, University of Michigan Medical Center

Dr. John Turchi, Department of Biochemistry and Molecular Biology, Wright State University

Dr. Mark Chance, Department of Physiology and Biophysics, Albert Einstein College of Medicine

Dr. Don Cipollini, Department of Biological Sciences, Wright State University

Dr. Zhi-Min Yuan, Department of Genetics and Complex Diseases, Harvard University

Dr. Rajesh Naik, Biotechnology Group, Wright Patterson Air Force Base

Dr. Linda Malkas, Department of Medicine, Division of Hematology/Oncology Indiana University School of Medicine

Dr. Leland Mayne, Department of Biochemistry and Biophysics, University of Pennsylvania

Dr. John Essigmann, Department of Chemistry and Biological Engineering, Massachusetts Institute of Technology

Dr. James McDougal, Department of Pharmacology and Toxicology, Wright State University

Dr. Dennis Stuehr, Department of Immunology, Lerner Research Institute, Cleveland Clinic Foundation

Dr. Karen O'Malley, Department of Anatomy and Neurobiology, Washington University School of Medicine, St. Louis, MO

Dr. M. Guillaume Wientjes, College of Pharmacy, The Ohio State University

Dr. Frank McKeon, Department of Cell Biology, Harvard Medical School

Dr. Sharon Ackerman, Department of Biochemistry and Molecular Biology, Wayne State University

Dr. Dan Halm, Department of Anatomy and Physiology, Wright State University

Dr. Susan Taylor, Department of Chemistry and Biochemistry, University of California San Diego

Dr. John Frazier, Department of Pharmacology/Toxicology, Wright State University

Dr. Victor Davidson, Department of Biochemistry, University of Mississippi Medical Center

Dr. B. Tracy Nixon, Department of Biochemistry and Molecular Biology, Penn State University

Dr. F. Robert Tabita, Department of Microbiology, The Ohio State University

Dr. Sergei Mirkin, Department of Biochemistry and Molecular Genetics, University of Illinois at Chicago

Dr. Carl Maki, Department of Radiation and Cellular Oncology, The University of Chicago

Dr. A. Keith Dunker, Department of Biochemistry and Molecular Biology, Indiana University School of Medicine

Dr. Thomas Melendy, Dept. of Microbiology & Immunology and Biochemistry, University at Buffalo

Dr. Ashok Bhagwat, Department of Chemistry, Wayne State University

Graduate Students

Dr. Alter, Jonathan E. Nuss, Dissertation Title: "Prediction of the Structure of Replication Protein

Dr. Alter, A" Kempner Postdoctoral Fellow, Department of Human Biological Chemistry and Genetics, University of Texas Medical Branch, Galveston.

Dr. Berberich, Eric Romer, M.S., Thesis Title: "Potential Activation of the Unfolded Protein Response by Transient Over Expression of Non-native proteins", Research Assistant, Department of Pharmacology and Toxicology-School of Medicine

Dr. Reo, Beth Kuczynski, Ph.D. in June 2004. Dissertation Title: "The Effects of Myo-Inositol and Ethanolamine Administration on Brain Phosphatidylethanolamine Plasmalogen and its Potential Role as an In Vivo Antioxidant" Beth is now a postdoctoral Fellow at The Helen Wills Neuroscience Institute, University of California Berkley

Sehul Shah, MS in Dec 2004. Thesis Title: Effects of PPAR Agonists on Liver Phospholipid Metabolism in Rats" Sehul now works at the Wallace-Kettering Neuroscience Institute, Kettering Medical Center