

Graduates of the Department of Biochemistry and Molecular Biology
(Brody School of Medicine at East Carolina University)

Mohit C. Mathur, PhD (2009)

Advisor: Joseph M. Chalovich, PhD

Dissertation: “The Distribution of Regulated Actomyosin States is Central to Cardiac Muscle Regulation and Disturbance of this Distribution Leads to Congenital Cardiomyopathies”

Postdoctoral:

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Melissa Anne Henderson, PhD (2009)

Advisor: Brett D. Keiper, PhD

Dissertation: “The Unique Roles of IFE-1, a Germline-Specific Isoform of Eukaryotic Translation Factor 4E, During Gametogenesis”

Postdoctoral: Steve L’Hernault, PhD, O. Wayne Rollins Research Center, Emory University

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Tara Ann Cartwright, PhD (2009)

Advisor: Ruth A. Schwalbe, PhD

Dissertation: “The Biochemical Characterization of Neuronal K⁺ Channel N-Glycans and their Role in Regulating K⁺ Channel Function ”

Postdoctoral: David L. Armstrong, Ph.D., Laboratory of Neurobiology, NIEHS, Research Triangle Park, NC

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Brent M. Beall, PhD (2002)

Advisor: Joseph M. Chalovich, PhD

Dissertation: “The Effect of Fesselin, a Synaptopodin-Like Protein on Actin Dynamics”

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Steven C. Pohnert, PhD (2002)

Advisor: James A. McCubrey, PhD

Dissertation: “Abrogation of Cytokine Dependency in Hematopoietic Cells by RAF and PI3K/AKT”

Postdoctoral: Sanders Williams, MD, Duke University

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Joseph Francis Bower, PhD (2001)

Advisor: Hisham Barakat, PhD
Dissertation: “Ethnic Differences in Glyceride Synthesis in Adipose Tissue”
Postdoctoral: Ted M. Ross, PhD, East Carolina University

Samar Itani, PhD (2000)

Advisor: G. Lynis Dohm, PhD
Dissertation: “Involvement of Protein Kinase C in Skeletal Muscle Insulin Resistance and Type II Diabetes”
Postdoctoral: Neil Rudermann, MD, Dphil. Boston Medical Center, Boston University

Lilla Sommerville, PhD (1999)

Advisor: Joseph G. Cory, PhD
Dissertation: “P53 – independent Cell Cycle Block and Apoptotic Signaling Pathways”
Postdoctoral: William E. Evans, PharmD, St. Jude Children’s Research Hospital

Paul MacLean, PhD (1999)

Advisor: Hisham Barakat, PhD
Dissertation: “The Role of Insulin and Insulin Resistance in the Regulation of Cholesteryl Ester Transfer Protein (CETP)”
Postdoctoral: G. Lynis Dohm, PhD, East Carolina University

Ai Wu He, PhD (1997)

Advisor: Joseph G. Cory, PhD
Dissertation: “Cellular Responses of Drug-Resistant Cells that Lack P-53”
Postdoctoral: Simon Taylor, MD, National Institutes of Health

Anindita Sen, PhD (1997)

Advisor: Joseph Chalovich, PhD
Dissertation: “The Role of the Competition Between Caldesmon & Myosin-S1 in the Regulation of Actomyosin Interactions”
Postdoctoral: Van Bennet, PhD, Duke University

Renu Jain, PhD (1997)

Advisor: Phillip Pekala, PhD
Dissertation: “Tumor Necrosis Factor-alpha Mediated Activation of Signal Transduction Cascades and Transcription Factors in the 3T3-L1 Adipocytes”
Postdoctoral: Channing Der, PhD, University of North Carolina at Chapel Hill

Qian Zhou, PhD (1997)

Advisor: G. Lynis Dohm, PhD

Dissertation: “Mechanisms Regulating Insulin Sensitivity in Skeletal Muscle”

Jared Jones, PhD (1997)

Advisor: G. Lynis Dohm, PhD

Dissertation: “Transcriptional Regulation of Glucose Transporter GLUT-4 and Hexokinase II Genes in Skeletal Muscle”

Postdoctoral: Hisham Barakat, East Carolina University

Barbara D. Leinweber, PhD (1997)*

Advisor: Robert Thurber, PhD and Joseph Chalovich, PhD

Dissertation: “Maintaining the Localization of Actin in Smooth Muscle: α -Actinin, Filamin, Calponin and SM85/SM95”

Postdoctoral: Kathleen Morgan, PhD, Boston Biomedical Research Institute, Harvard University

* (Although a graduate of the Department of Physiology the thesis research was all performed in the laboratory of Dr. Chalovich)

Ivan Shibley, PhD (1996)

Advisor: Sam N. Pennington, PhD

Dissertation: “The Molecular Basis of Fetal Alcohol Syndrome: Ethanol-Induced Alterations in Kinase-Mediated Regulation of Mitogenic and Metabolic Functions in the Developing Embryo”

Christopher Torrance, PhD (1995)

Advisor: G. Lynis Dohm, PhD

Dissertation: “Effects of Thyroid Hormone Transporter (GLUT4) Gene Expression and NIDDM”

Postdoctoral: Bert Vogelstein, PhD, Johns Hopkins University

Wei Min Lu, PhD (1995)

Advisor: Joseph Chalovich, PhD

Dissertation: “Caldesmon and Calponin Effects on the Myosin-Actin Interactions”

Postdoctoral: John Hammer, PhD, Duke University

Sheree Long, PhD (1995)

Advisor: Phillip Pekala, PhD

Dissertation: “Lipid Mediators of Insulin Resistance”
Postdoctoral: Yusuf Hannun, PhD, Duke University

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Kevin McGowan, PhD (1995)

Advisor: Phillip Pekala, PhD
Dissertation: “Tumor Necrosis Factor-Alpha Regulation of Glucose Transporter (GLUT1) mRNA Turnover: Contribution of the 3’-Untranslated Region of the GLUT1 Message”
Postdoctoral: Pierre Collumb, PhD, Johns Hopkins University

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Julie Carey, PhD (1994)

Advisor: G. Lynis Dohm, PhD
Dissertation: “Mechanism(s) of Insulin Resistance in Skeletal Muscle”
Postdoctoral: Kirk Ways, MD, East Carolina University

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Darrell Neuffer, PhD (1993)

Advisor: G. Lynis Dohm, PhD
Dissertation: “The Regulation of GLUT4 Glucose Transporter Expression in Skeletal Muscle”
Postdoctoral: Sanders Williams, MD, Southwest Medical Center

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Jackie Stephens, PhD (1992)

Advisor: Phillip Pekala, PhD
Dissertation: “The Regulation of Glucose Transporter Gene Expression in 3T3-L1 Cells by Tumor Necrosis Factor”
Postdoctoral: Paul Pilch, PhD, Boston University

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Laly Valez, PhD (1991)

Advisor: Joseph Chalovich, PhD
Dissertation: “Regulation of the Interaction Between Myosin & Actin by Caldesmon and Its Subfragments”
Postdoctoral: Fred Schachat, PhD, Duke University

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Mark Hemric, PhD (1990)

Advisor: Joseph Chalovich, PhD

Dissertation: “A Catalytically Inactive Myosin-Caldesmon-Actin Complex”

Postdoctoral: Joe Haeberle, PhD, University of Vermont

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Peter Cornelius, PhD (1989)

Advisor: Phillip Pekala, PhD

Dissertation: “Monokine Regulation of Lipoprotein Lipase and Glucose
Transporter Gene Expression”

Postdoctoral: Daniel Lane, PhD, Johns Hopkins University

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Russ Price, PhD (1984)

Advisor: Phillip Pekala, PhD

Dissertation: “The Regulation of Lipoprotein Lipase Synthesis in 3T3-L1
Adipocytes by Endotoxin-Induced Macrophage Monokines”

Postdoctoral: Martha Vaughan, PhD and Joel Moss, PhD, National Institutes of
Health