



**Anderson, Karl E.**

Professor, Department of Preventive Medicine and Community Health  
Director, Division of Human Nutrition  
Associate Program Director, General Clinical Research Center  
University of Texas Medical Branch

Research Interests

Porphyrias and other disorders of heme metabolism in man; nutritional pharmacology, including effects of diet on drug metabolism

Recent Publications

Akagi R, Kato N, Inoue R, Anderson KE, Jaffe EK, Sassa S: delta-Aminolevulinate dehydratase (ALAD) porphyria: The first case in North America with two novel ALAD mutations. *Molec Genet Metab.* 2006;87:329-336.

Akagi R, Inoue R, Muranaka S, Tahara T, Taketani S, Anderson KE, Phillips JD, Sassa S. Dual gene defects involving  $\delta$ -aminolaevulinate dehydratase and coproporphyrinogen oxidase in a porphyria patient. *Br J Haematol.* 2006;132:237-243.

Anderson KE, Collins S. Open-label study of hemin for acute porphyria: clinical practice implications. *Am J Med.* 2006; 119:19-24.

Huang Y, Nagamani M, Anderson KE, Kurosky A, Haag AM, Grady JJ, Lu LJ: A strong association between body fat mass and protein profiles in nipple aspirate fluid of healthy premenopausal non-lactating women. *Breast Cancer Research and Treatment.* 2007;104:57-66. (On line version first; 2006.)

Huang Y, Anderson KE, Nagamani M, Grady JJ, Lu LJW: Dietary intake of lactose as a strong predictor for secretor status of nipple aspirate fluid in healthy premenopausal nonlactating women. *Clinical Cancer Research.* 2008;14(5):1386-92.

Lu L-JW, Nayeem F, Anderson KE, Grady JJ, Nagamani M: Lean body mass, but not estrogen and progesterone, is the independent predictor of peak bone mineral density in premenopausal women. *J Nutr.* 2009 Feb;139(2):250-6. Epub 2008 Dec 23.

Nayeem F, Nagamani M, Anderson KE, Yafei Huang Y, Grady JJ, Lu L-JW: Dietary {beta}-Tocopherol and Linoleic Acid, Serum Insulin, and Waist Circumference Predict Circulating Sex Hormone-Binding Globulin in Premenopausal Women.. *J Nutr.* 2009 Apr 1.

Current Funding

M01 RR000073	NIH-National Center for Research Resources		
"General Clinical Research Center"			
Garland Anderson, MD 1			2/1/63 12/31/10
BC004028	US Army		
"Soybean Diet and Breast Density"			
Lee-Jane Lu, PhD	\$2,001,452	\$2,983,163	9/1/01 - 8/31/09
1R01CA95545	NIH		
"Mammographic Density and Soy Isoflavones"			
Lee-Jane Lu, PhD	\$631,881	\$1,418,535	09/15/03 08/31/09
FD-R01-002604	USPHS-FDA Orphan Drug Program		
"Hydroxychloroquine vs. Phlebotomy for Porphyria Cutanea Tarda"			
Anderson	\$584,204	\$861,049	9/30/05 11/30/09
K30 RR022276	USPHS-NHLBI and NCRR		
"Clinical Research Education Program at UTMB"			
Anderson	\$1,388,890	\$1,500,000	6/1/05 5/31/10
R21 DK073093	USPHS-NIDDK		
"Genetic Susceptibility Factors in Porphyria Cutanea Tarda (PCT)"			
Anderson	\$275,000	\$401,276	7/1/06 6/30/09



**Berenson, Abbey B.**

Professor & Chief, Division of Pediatric & Adolescent Gynecology, Obstetrics & Gynecology  
Director, Center for Interdisciplinary Research in Women's Health  
University of Texas Medical Branch

Research Interests

Appearance of the external genitalia in prepubertal girls; contraception; intimate partner violence

Recent Publications

- Littleton HL, Radecki Breitkopf C, Berenson AB. Beyond the campus: Unacknowledged rape among low income women. *Violence Against Women*. 2008; 14: 269-286.
- Berenson AB, Rahman M, Radecki Breitkopf C, Bi L. Effects of depot medroxyprogesterone acetate and 20 microgram birth control pills on bone mineral density. *Obstet Gynecol*. 2008; 112:788-99.
- Berenson AB, Odom SD, Radecki Breitkopf C, Rahman M. Physiologic and psychologic symptoms associated with use of injectable contraception and 20 µg pills. *Am J Obstet Gynecol*. 2008: 199:351.e1-12.
- McKinney K, Radecki Breitkopf C, Berenson AB. Association of race, body fat and season with vitamin D status among young women: a cross-sectional study. *Clin Endocrinol*. 2008; 69(4): 535-41.
- Wu ZH, Baillargeon JG, Berenson AB, Grady JJ, Holzer C. Self-reported psychopathology among young, low-income, female ecstasy users. *J Addict Dis*. 2008; 27(4): 81-90.
- Berenson AB, Rahman M, Wilkinson G. Racial difference in the correlates of bone mineral content/density and age at peak among reproductive-aged women. *Osteoporos Int*. 2009 Jan 13. [Epub ahead of print]

Current Funding

Principal Investigator, \$2,499,470 (5% effort)  
"UTMB Women's health research scholars' program"  
K12 Institutional Research Career Development Award (BIRCVH)  
National Institutes of Child Health and Human Development  
August 31, 2005 - July 30, 2010

Principal Investigator, \$1,169,551 (15% effort)  
"Improving adolescent adherence to hormonal contraception"  
Health Resources and Services Administration  
Jan 1, 2006 - Dec 31, 2009

Principal Investigator, \$789,740 (50% effort)  
"Midcareer investigator award in patient-oriented research"  
K24 Individual Research Career Development Award  
National Institute of Child Health and Human Development  
March 1, 2003 - February 25, 2013

Principal Investigator, \$1,837,800 (5% effort)  
"Interdisciplinary women's reproductive health fellowship"  
Ruth L. Kirschstein National Research Service Award (NRSA)  
T32 Institutional Research Training Grant  
National Institute of Child Health and Human Development  
May 1, 2008 - April 30, 2013



**Gonzalez-Rothi, Leslie J.**

Professor, Department of Neurology, College of Medicine, University of Florida  
Director, Brain Rehabilitation Research Center

Research Interests

Cognitive neuropsychology of human communication, purposive limb movement planning and performance, and cortical plasticity in the mature CNS associated with new learning, functional recovery after CNS damage or injury, and response to rehabilitation

Recent Publications

- Wierenga, C. E., Maher, L. M., Bacon Moore, A., White, K. D., McGregor, K., Soltysik, D. A., Peck, K. K., Gopinath, K. S., Singletary, F., Rothi, L. J. G., Briggs, R. W., Crosson, B. Neural Substrates of Syntactic Mapping Treatment: An fMRI Study of Two Cases. *J Int Neuropsychol Soc.* 2006;12:132-146.
- Rothi, LJG. Cognitive rehabilitation: The role of theoretical rationales and respect for the maturational process needed of our evidence. *J Head Trauma Res.* 2006;21:194-197.
- Donovan NJ, Kendall DL, Moore AB, Rosenbek JC, Rothi LJ. Why consider impaired social language usage in a case of corticobasal degeneration? *Clin Neuropsychol.* 2007;21(1):190-203.
- Raymer AM, Ciampitti M, Holliway B, Singletary F, Blonder LX, Ketterson T, Anderson S, Lehnen J, Heilman KM, Rothi LJ. Semantic-phonologic treatment for noun and verb retrieval impairments in aphasia. *Neuropsychol Rehabil.* 2007;17(2):244-70.
- Crosson B, Fabrizio KS, Singletary F, Cato MA, Wierenga CE, Parkinson RB, Sherod ME, Moore AB, Ciampitti M, Holliway B, Leon S, Rodriguez A, Kendall DL, Levy IF, Rothi LJ. Treatment of naming in nonfluent aphasia through manipulation of intention and attention: a phase 1 comparison of two novel treatments. *J Int Neuropsychol Soc.* 2007;13(4):582-94.
- Wierenga CE, Benjamin M, Gopinath K, Perlstein WM, Leonard CM, Rothi LJ, Conway T, Cato MA, Briggs R, Crosson B. Age-related changes in word retrieval: role of bilateral frontal and subcortical networks. *Neurobiol Aging.* 2008;29(3):436-51.
- Richards K, Singletary F, Rothi LJ, Koehler S, Crosson B. Activation of intentional mechanisms through utilization of nonsymbolic movements in aphasia rehabilitation. *J Rehabil Res Dev.* 2002 Jul-Aug;39(4):445-54.
- Rothi LJ, Fuller R, Leon SA, Kendall D, Moore A, Wu SS, Crosson B, Heilman KM, Nadeau SE. Errorless practice as a possible adjuvant to donepezil in Alzheimer's disease. *J Int Neuropsychol Soc.* 2009 Mar;15(2):311-22

Current Funding

Brain Rehabilitation Center (PI)

VA Rehabilitation Research and Development Center of Excellence Grant (Project # 2182)

7/1/99-6/30/09

The major goals of this project are...to provide an infrastructure that will support research in the rehabilitation of cognitive and motor deficits resulting from disease/injury of the cerebrum. The treatments will focus on the combination of physiologic (pharmacological or transcranial magnetic stimulation) and behavioral treatments for cognitive or motor impairments.



**Goodwin, James S.**

Professor, Department of Internal Medicine – Geriatrics  
Director, Sealy Center on Aging  
University of Texas Medical Branch

Research Interests

Patterns of cancer care in the elderly, barriers to health care delivery in the elderly, predictors of physical functioning and health in older populations

Recent Publications

Giordano SH, Kuo YF, Duan ZG, Hortobagyi GN, Freeman JL, Goodwin JS. Limits of Observational Data in Determining Outcomes from Cancer Therapy. *Cancer*, 2008;112(11):2456-66.

Sharma G, Freeman JL, Zhang DD, Goodwin JS. Trends in end of life ICU use among older adults with advanced lung cancer. *Chest*, 2008;133:72-78.

Riall TS, Reddy DM, Nealon WH, Goodwin JS. The effect of age on short-term outcomes after pancreatic resection: a population-based study. *Ann Surg*, 2008 Sept;248(3):459-67.

Raji MA, Kuo YF, Freeman JL, Goodwin JS. Effect of a Dementia Diagnosis on Survival of Older Patients after a Diagnosis of Breast, Colon, or Prostate Cancer. *Arch Intern Med*, 2008;Vol 168(No.18):2033-2040.

Sharma G, Freeman JL, Zhang DD, Goodwin JS. Continuity of Care and Intensive Care Unit Use at the End of Life. *Arch Intern Med*, 2009, Jan 12;169(1):81-6.

Lackan N, Goodwin JS. Ethnic differences in in-hospital place of death among older adults in California: effects of individual and contextual characteristics and medical resource supply. *Med Care*, 2009;Feb 47(2):138-145.

Kuo YF, Sharma G, Freeman JL, Goodwin JS. Growth in the Care of Older Patients by Hospitalists in the United States. *New Eng J Med*, 2009;360(11):36-46.

Peek MK, Tovar J, Sheffield K, Eschbach K, Cutchin M, Goodwin JS. Allostatic load among non-Hispanic Whites, non-Hispanic Blacks, and Hispanics: Effects of race, ethnicity, nativity, and acculturation. *Am J Public Health*, in press.

Sharma G, Fletcher KE, Zhang DD, Kuo Y-F, Freeman JL, Goodwin JS. Continuity of outpatient and inpatient Care for hospitalized older adults. *JAMA*, 2009, in press.

Current Funding

5P30AG024832 NIH-NIA	James S. Goodwin (PI) UTMB Claude Pepper Older Americans Independence Center	06/15/05-04/30/10
R01CA134275-01 NIH-NCI	James S. Goodwin (PI) Understanding mechanisms of ethnic disparities in colorectal cancer.	07/17/08-06/30/13
K05-CA134923 NIH	James S. Goodwin (PI) Established Investigator Award in Cancer Control.	08/01/08-07/31/13
R01-AG10939 NIH-NIA Role: Co-Investigator	Markides(PI) Longitudinal Study of Mexican American Elderly Health	01/15/93-03/31/14
T32-AG00270 NIH-NIA	James S. Goodwin (PI) NRSA Health of Older Minorities	05/01/04-04/30/09
T35-AG026778 NIH-NIA Role: Site PI	Stephanie Studenski (PI) Summer Research Training in Aging for Medical Students	06/01/05-05/31/10
1 R01 CA133069-01 NIH	Jean Freeman (PI) Late Effects of Radiation in Older Gynecologic Cancer Survivors Role: Co-investigator	05/08/08 – 04/30/11



**Limacher, Marian C.**

Professor, Division of Cardiovascular Medicine  
Department of Medicine  
University of Florida

Research Interests

Obesity, heart disease

Recent Publications

- Bray PF, Larson JC, LaCroix AZ, Manson J, Limacher MC, Rossouw JE, Lasser NL, Lawson WE, Stefanick ML, Langer RD, Margolis KL for the Women's Health Initiative Investigators. Usefulness of Baseline Lipids and C-Reactive Protein in Women Receiving Menopausal Hormone Therapy as Predictors of Treatment-Related Coronary Events. *Am J Cardiol*, 2008; 101:1599-1605.
- Robinson JG, Wallace R, Limacher M, Ren H, Cochrane B, Wassertheil-Smoller S, Ockene JK, Blanchette PL, Ko MG. Cardiovascular Risk in Women with Non-Specific Chest Pain from the Women's Health Initiative Hormone Trials. *Am J Cardiol* 2008 Jul 7 [Epub ahead of print].
- Brunner RL, Cochrane B, Jackson RD, Larson J, Lewis C, Limacher M, Rosal M, Shumaker S, Wallace R for the WHI Investigators. Calcium, Vitamin D Supplementation and Physical Function in the Women's Health Initiative. *Journal of the American Dietetic Association*. 2008; 108:1472-9.
- Perri MG, Limacher MC, Durning PE, Janicke DM, Lutes LD, Bobroff LB, Dale MS, Daniels MJ, Radcliff TA, Martin AD. Treatment of Obesity in Underserved Rural Settings (TOURS): A Randomized Trial of Extended-Care Programs for Weight Management in Women. *Archives of Internal Medicine* 2008;168:2340-2346
- Poppas A, Cummings J, Dorbala S, Douglas PS, Foster E, Limacher M. Survey results: a decade of change in professional life in cardiology. A 2008 report of the ACC Women in Cardiology Council. *J Am Coll Cardiol* 2008; 52:2215-2226.
- Hopkins J, Limacher M. The role of aspirin in cardiovascular disease prevention in women. *American Journal of Lifestyle Medicine* March/April 2009;3:123-134.

Current Funding

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|---|------------------|
| N01-WH-4-2129, NIH, NHLBI<br>Women's Health Initiative (WHI)<br>Role: Clinical Center PI  | 9/30/94-9/29/10  |
| 9K30RR022258-07, NIH, NHLBI<br>Clinical Research Curriculum Award – K30<br>Role: PI (Program Director)  | 9/1/05-8/30/10   |
| NIH, NHLBI, R18<br>Rural Lifestyle Intervention Treatment Effectiveness Trial (Rural LITE)<br>PI: Michael G. Perri, PhD<br>Co-PI: Marian Limacher, MD | 6/1/08 – 5/31/11 |
| NIH, NHLBI Contract through Wake Forest<br>Women's Health Initiative Memory Study extension, WHIMS-ECHO<br>Role: Clinical Center PI                   | 2008-2010        |
| NIH, NHLBI Contract through Wake Forest<br>Women's Health Initiative Memory Study MRI -2<br>Role: Clinical Center PI                                  | 2008-2010        |
| NIH, NHLBI Contract through Wake Forest<br>Women's Health Initiative Memory Study of Younger Women (WHIMS-Y)<br>Role: Clinical Center PI              | 2008-2010        |



**Pahor, Marco**

Professor & Chair, Department of Aging and Geriatric Research  
Director, Institute on Aging  
University of Florida  
Interim Director, VA Geriatric Research, Education and Clinical Center

Research Interests

Geriatrics, physical function, disability, epidemiology

Recent Publications

Bhasin S, Cress E, Espeland MA, Evans WJ, Ferrucci L, Fried LP, Gill TM, Pahor M, Studenski S, Guralnik JM, Nayfield S, Romashkan S, Eldadah BA, Suzman R, Haaqa J et al. Functional outcomes for clinical trials in frail older persons: time to be moving. *J Gerontol A Biol Sci Med Sci* 2008 February;63(2):160-4.

Rejeski WJ, King AC, Katula JA, Kritchevsky S, Miller ME, Walkup MP, Glynn NW, Pahor M. Physical Activity in Prefrail Older Adults: Confidence and Satisfaction Related to Physical Function. *J Gerontol B Psychol Sci Soc Sci* 2008 January;63(1):19-26.

Cesari M, Kritchevsky SB, Newman AB, Simonsick EM, Harris TB, Penninx BW, Brach JS, Tylavsky FA, Satterfield S, Bauer DC, Rubin SM, Visser M, **Pahor M**. Added value of physical performance measures in predicting adverse health-related events: results from the Health, Aging And Body Composition Study. *J Am Geriatr Soc* 2009 February;57(2):251-9.

Cesari M, Kritchevsky SB, Atkinson HH, Penninx BW, Bari MD, Tracy RP, **Pahor M**. Angiotensin-converting enzyme inhibition and novel cardiovascular risk biomarkers: results from the Trial of Angiotensin Converting Enzyme Inhibition and Novel Cardiovascular Risk Factors (TRAIN) study. *Am Heart J* 2009 February;157(2):334-8.

Brinkley TE, Leng X, Miller ME, Kitzman DW, **Pahor M**, Berry MJ, Marsh AP, Kritchevsky SB, Nicklas BJ. Chronic inflammation is associated with low physical function in older adults across multiple comorbidities. *J Gerontol A Biol Sci Med Sci* 2009 April;64(4):455-61.

Current Funding

NIH/NIA 1 UO1 AG022376-01	Pahor (PI)	09/30/03 – 08/31/09
Physical exercise to prevent disability pilot study – LIFE Pilot Study		
The major goal of this project is to gather preliminary data that will determine the feasibility of conducting a Phase 3 randomized, controlled trial (RCT) that will provide definite evidence in the use physical exercise to prevent physical and mobility disability in older persons.		
NIH-NIA 1 P30 AG028740-01	Pahor (PI)	03/01/07-02/28/12
Claude D. Pepper Older Americans Independence Centers		
The major goals of this project are the developing, testing and dissemination of effective therapies for the treatment and prevention of physical disability.		
NIH/NIA 1 R01 AG027529	Nicklas (PI)	09/15/06-06/30/10
Exercise training and inflammatory risk factors for disability		
The goal is to measure plasma concentrations of inflammatory biomarkers in blood samples collected from LIFE participants following randomization to the interventions to test our primary hypothesis that: 1) compared to a non-exercise health education intervention, a 12-month exercise training intervention will decrease concentrations of inflammatory biomarkers in elderly men and women at high risk for physical disability.		
NIH/NIA 1 R01 AG026556-01	(Cesari)	12/1/06 – 11/30/09
Oxidative damage, disability and mortality in elders		
Ancillary study to the Health, Aging and Body Composition study to evaluate the predictive value of oxidative damage, platelet activation and inflammation for incident mobility disability and mortality in older persons.		



**Powell, Don W.**

Associate Dean for Research, School of Medicine  
Program Director, General Clinical Research Center  
University of Texas Medical Branch

Research Interests

Mechanisms of intestinal electrolyte transport and immune system control, COX-2 gene regulation, immunology of mesenchymal cells and colon cancer microenvironment.

Recent Select Publications

Pinchuk IV, Beswick EJ, Saada JI, Suarez G, Winston J, Mifflin RC, Di Mari JF, Powell DW, Reyes VE. MCP-1 production by intestinal myofibroblasts in response to staphylococcal enterotoxin A: Relevance to staphylococcal enterotoxigenic disease. *J Immunol* 178:8097-8106, 2007.

Beswick EJ, Pinchuk IV, Das S, Powell DW, Reyes VE. Expression of the programmed death ligand 1, B7-H1, on gastric epithelial cells after helicobacter pylori exposure promotes development of CD4(+) CD25(+) FoxP3(+) regulatory T cells. *Infect Immun* 75:4334-4341, 2007.

Di Mari JF, Saada JI, Mifflin RC, Valentich JD, Powell DW. HETEs enhance IL-1-mediated COX-2 expression via augmentation of message stability in human colonic myofibroblasts. *Am J Physiol Gastrointest Liver Physiol* 293:719-728, 2007.

Kosinski C, Li VSW, Chan ASY, Zhang J, Ho C, Tsui WY, Chan TL, Mifflin RC, Powell DW, Yuen ST, Leung SY, Chen X. Gene expression patterns of human colon tops and basal crypts and BMP antagonists as intestinal stem cell niche factors. *Proc Nat Acad Sci* 104:15418-15423, 2007.

Pinchuk IV, Saada JI, Beswick EJ, Boya G, Qui SM, Mifflin RJ, Reyes VE, Powell DW. PD-1 ligand expression by human colonic myofibroblasts/fibroblasts regulates CD4<sup>+</sup> T cell activity. *Gastroenterology* 135:1228-1237, 2008.

Francoeur C, Bouatrouss Y, Seltana A, Pinchuk IV, Vachon PH, Powell DW, Sawan B, Seidman EG, Beaulieu J-F. Degeneration of the pericryptal myofibroblast sheath by proinflammatory cytokines in inflammatory bowel diseases. *Gastroenterology* 136: 268-277, 2009.

Current Funding

CON 17687	(D. W. Powell, PI)	12/18/07-12/17/09
John Sealy Memorial Endowment Fund for Biomedical Research – Sealy Bridging Grant The Role of Colonic Myofibroblasts in Gut Immune Homeostasis		
1RO1DK55783-07	(D.W. Powell, PI)	6/01/99-5/31/08 NCE 5/31/09
NIDDK COX Gene Regulation in Intestinal Myofibroblasts		
M01 RR00073-44	(Garland Anderson, PI)	12/01/78-03/31/10
NIH/NCRR and NASA (combined) General Clinical Research Center and NASA Flight Analog Research Unit Satellite Role: Program Director		
T32 CA117834-01A1	(E. B. Thompson, PI)	07/01/06--06/30/11
NIH/NCI Multidisciplinary Training in Cancer Research Role: Faculty Mentor		
1 Ro1 CA134275-01	(James S. Goodwin, PI)	07/01/08-06/30/13
NIH/Center for Scientific Review, Health Disparities PARs Annual direct costs Role: Consultant		



**Stacpoole, Peter W.**

Professor, Department of Biochemistry & Molecular Biology  
College of Medicine, University of Florida  
Director, General Clinical Research Center, Shands Hospital

Research Interests

Pharmacology of dichloroacetate, congenital lactic acidosis

Recent Publications

- Shroads AL, Guo X, Dixit V, Liu HP, James MO, Stacpoole PW. Age-dependent kinetics and metabolism of dichloroacetate: Possible relevance to toxicity. *J Pharm Exp Ther.* 2008; 324(3):1163-1171.
- Han Z, Zhong L, Srivastava A, Stacpoole PW. Pyruvate dehydrogenase complex deficiency due to ubiquitination and proteasome-mediated degradation of the E1 $\beta$  subunit. *J Biol Chem* 4283:237-43, 2008.
- Stacpoole PW, Gilbert LR, Neiberger RE, Carney PR, Valenstein E, Theriaque DW, Shuster JJ. Evaluation of long-term treatment of children with congenital lactic acidosis with dichloroacetate. *Pediatrics* 121:e1223-e1228, 2008.
- Han Z, Berendzen K, Zhong L, Surolia I, Chouthai N, Zhao W, Maina N, Srivastava A, Stacpoole PW. A combined therapeutic approach for pyruvate dehydrogenase deficiency using self-complementary adeno-associated virus serotype-specific vectors and dichloroacetate. *Mol Genet Metab* 93:381-387, 2008.
- Stacpoole PW, Kurtz TL, Han Z, Langaee TY. Role of dichloroacetate in the treatment of genetic mitochondrial diseases. *In Mitochondrial Medicine and Mitochondrion-Based Therapeutics* published in *Advanced Drug Delivery Reviews* 60:1478-87, 2008.
- Felitsyn N, McLeod C, Shroads AL, Stacpoole PW, Notterpek L. The heme precursor delta-aminolevulinic acid blocks peripheral myelin formation. *J Neurochem.* 2008 Sep;106(5):2068-79. Epub 2008 Jul 4.
- Lamers Y, Williamson J, Ralat M, Quinlivan EP, Gilbert LR, Keeling C, Stevens RD, Newgard CB, Ueland PM, Meyer K, Fredriksen A, Stacpoole PW, Gregory JF 3rd. Moderate dietary vitamin B-6 restriction raises plasma glycine and cystathionine concentrations while minimally affecting the rates of glycine turnover and glycine cleavage in healthy men and women. *J Nutr.* 2009 Mar;139(3):452-60. Epub 2009 Jan 21
- Lamers Y, Williamson J, Theriaque DW, Shuster JJ, Gilbert LR, Keeling C, Stacpoole PW, Gregory JF 3rd. Production of 1-Carbon Units from Glycine Is Extensive in Healthy Men and Women. *J Nutr.* 2009 Feb 25. [Epub ahead of print]

Current Funding

NIH-2M01RR0082 (Good, PI) General Clinical Research Center

The major goals of this project are to provide for communication and collaboration in clinical investigative work among health scientists carrying out studies on the unit. Dr. Stacpoole is Program Director.

NIH-5R01-ES07355 (Stacpoole, PI) Dichloroacetate Kinetics Metabolism and Toxicology

NIH-5R01-ES014617 (Stacpoole, PI) Pharmacotoxicology of Trichloroethylene Metabolites

The major goals of these two projects are to investigate the human and animal pharmacology of dichloroacetate, including its study in congenital lactic acidosis. When originally awarded, these grants funded scientifically overlapping areas of clinical and non-clinical research. Subsequently, in consultation with and with approval by grant staff at NIEHS, funding for patient-oriented research and research involving human hepatocyte was shifted exclusively to the R01, while support for non-human in vivo and in vitro rodent studies was provided solely by the program project award.

NIH R01 DK56274 (Gregory, PI) Vitamin B<sub>6</sub> Effects on One-Carbon Metabolism

The major goal of this project is to investigate folate and pyridoxine metabolism in healthy subjects. Dr. Stacpoole is Co-Investigator.

FDA R01 FD003032 (Stacpoole, PI) Phase 3 Trial of CoenzymeQ<sub>10</sub> in Mitochondrial Diseases.

The major goal of this project is to investigate the safety and efficacy of CoenzymeQ<sub>10</sub> as an effective treatment for children with inborn errors of mitochondrial energetics due to defects in specific respiratory chain complexes or function and in quality of life.



**Steindler, Dennis A**

Executive Director, The McKnight Brain Institute  
Joseph J. Bagnor/Shands Professor of Medical Research  
University of Florida

Research Interests

Stem cells from the adult brain, looking at their cell biology and molecular genetics and determining their potential for replacement therapies in neurological disease

Recent Select Publications

- Steindler, DA. Stem cells, regenerative medicine, and animal models of disease. ILAR J 2007; 48(4):323-338.
- Laywell, ED, Steindler, DA, Silver, DJ. Astrocytic stem cells in the adult brain NEURO CLIN NA 2007; 18(1):21.
- Walton NM, Snyder GE, Park D, Kobeissy F, Scheffler B, Steindler DA. Gliotypic Neural Stem Cells Transiently Adopt Tumorigenic Properties During Normal Differentiation. Stem Cells. 2008 Nov 6. Epub ahead of print
- Ross HH, Levkoff LH, Marshall GP 2nd, Caldeira M, Steindler DA, Reynolds BA, Laywell ED. Bromodeoxyuridine induces senescence in neural stem and progenitor cells. Stem Cells. 2008 Dec;26(12):3218-27. Epub 2008 Sep 18.
- Marshall GP 2nd, Demir M, Steindler DA, Laywell ED. Subventricular zone microglia possess a unique capacity for massive in vitro expansion. Glia. 2008 Dec;56(16):1799-808.
- Marshall GP 2nd, Ross HH, Suslov O, Zheng T, Steindler DA, Laywell ED. Production of neurospheres from CNS tissue. Methods Mol Biol. 2008;438:135-50.
- Encinas, JM, Vazquez, ME, Switzer, RC, Chamberland, DW, Nick, H, Levine, HG, Scarpa, PJ, Enikolopov, G, Steindler, DA. Quiescent adult neural stem cells are exceptionally sensitive to cosmic radiation. EXP NEURO 2008; 210(1):274-279.
- Silver DJ, Steindler DA. Common astrocytic programs during brain development, injury and cancer. Trends Neurosci. 2009 Apr 25. [Epub ahead of print]