

UAB DIVISION OF REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY

ACTIVE GRANT SUPPORT

CYNTHIA K. SITES, M.D.

K24 RR019705 (Sites, P.I.)

NIH

Soy Phytoestrogen Supplementation & Menopause

American Heart Association (Sites, P.I.)

AHA 0355680T

Soy Phytoestrogens & Metabolic Cardiovascular Risk

U10 HD033172 (Sites, Co-I)

NIH

Cooperative Multicenter Reproductive Medicine Network

UAHSF

HSF-GEF Scholar Award

RICHARD E. BLACKWELL, PH.D, M.D.

NIH

Cooperative Multicenter Reproductive Medicine Network (Blackwell, PI)

JOHN A. LUCAS, M.D.

HSF-GEF Clinical Care Initiative

Center for Fertility Preservation in Cancer Survivors (Lucas, PI)

C. RICHARD PARKER, PH.D.

NIH

Program Project: Initiation of Human Labor: Prevention of Prematurity "Project 1. Endocrine Cascades and Parturition" Co-Investigator, PI at UAB as subcontract site.

NIH

"Human Cytosolic Sulfotransferases"

Co-Investigator

Southeastern Center of Excellence in Geriatric Medicine "Low Dose 17Beta Estradiol Cream: Pharmacokinetics, Local and Cellular Vaginal Response"

Co-Investigator

**FACULTY – LIST OF PEER REVIEWED PUBLICATIONS
DURING THE LAST THREE YEARS**

RICHARD E. BLACKWELL, PH.D., M.D.

Raymond EG, Chen PL, Pierre-Louis B, Luoto J, Barnhart KT, Bradley L, Creinin MD, Poindexter A, Wan L, Martens M, Scheneken R, Nicholas CT, Blackwell RE. Participant characteristics associated with withdrawal from a large randomized trial of spermicide effectiveness. BMC Med Res Methodol. 4(1):23, 2004.

Raymond EG, Chen PL, Luoto, Spermide Trial Group. Contraceptive effectiveness and safety of five nonoxynol-9 spermicides: a randomized trial. Obstet Gynecol. 103(3):430-439, 2004.

Raymond EG, Chen PL, Condon S, Luoto J, Barnhart KT, Creinin MD, Poindexter A, Wan L, Martens M, Schenken R, Blackwell R. Acceptability of five nonoxynol-9 spermicides. Contraception. 71(6):438-442, 2005.

Blackwell, RE. Estrogen, progestin, and urinary incontinence. JAMA 294(21):2696-2697.

Blackwell RE. Estrogen plus progestin and risk of venous thrombosis. JAMA 293(11):1322-1323, 2005.

Blackwell RE. Opportunities and obstacles in adult women's medicine. Sexuality Reproduction and Menopause 3(2):88-92, 2005.

C. RICHARD PARKER, JR., PH.D.

Dharia, S, Slane A, Jian M, Conner M, Conley AJ, Parker, CR Jr: Co-Localization of P450C17 and cytochrome b5 in androgen synthesizing tissues of the human, Biol Reprod 71:83-88, 2004.

Parker CR Jr., Chen C-CG: Steroid hormones and sexual function in premenopausal and postmenopausal women. Mental Fitness 3:40-45, 2004.

Davis LL, Weaver M, Zamrini E, Stevens A, Kang D-H, Parker, CR Jr: Biopsychological markers of distress in informal caregivers. Biological Research for Nursing 6:90-99, 2004.

Staton BA, Mixon RL, Dharia S, Brissie RM, Parker CR Jr: Is reduced cell size the mechanism for shrinkage of the adrenal zona reticularis in aging? Endocr Res, 30: 529-534, 2004.

Sirianni R, Rehman KS, Carr BR, Parker CR Jr, Rainey WE: Corticotropin releasing hormone directly stimulates cortisol and the cortisol biosynthetic pathway in human fetal adrenal cells. J Clin Endocrinol Metab, 90:279-285, 2005.

Dharia S, Slane A, Jian M, Conner M, Conley AJ, Brissie RM, Parker CR Jr: Effects of aging on cytochrome b5 expression in the human adrenal gland. *J Clin Endocrinol Metab*, 90:4357-4361 2005.

Sirianni R, Mahew BA, Carr BR, Parker CR Jr, Rainey WE: Corticotrophin-releasing hormone (CRH) and urocortin act through type 1 CRH receptors to stimulate DHEAS production by human fetal adrenal cells. *J Clin Endocrinol Metab* 90:5393-5400, 2005.

ROBERT W. REBAR, M.D.

Rebar RW, DeCherue AH. Assisted reproductive technology in the United States. *N Engl J Med*. 2004 Apr 15;350(16):1603-4.

Gass MS, Rebar RW, Cuffie-Jackson C, Cedars MI, Lobo RA. A short study in the treatment of hot flashes with buccal administration of 17-beta estradiol. *Maturitas*. 2004 Oct 15;49(2):140-7.

Chiang S, Geisler WM, Jackson JR, Rebar RW. Assessing the impact of a comprehensive sexually transmitted disease curriculum on learning outcomes. *Am J Obstet Gynecol*. 2004 Nov;191(5):1822-7.

Martin V, Wernke S, Mandell, K, Ramadan N, Bean J, Liu J, Rebar R, Zoma W, Behbehani M. Ovarian hormones and migraine headache: defining relationships and mechanisms. *Headache* 2006; 46:125-37.

CYNTHIA K. SITES, M.D.

Goldstein J, Sites CK, Toth MJ. Progesterone stimulates cardiac muscle protein synthesis via receptor-dependent pathway. *Fertil Steril* 82:430-436, 2004.

Sites CK, L'Hommedieu GD, Toth MJ, Brochu M, Cooper BC, Fairhurst PA. The effect of hormone replacement therapy on body composition, body fat distribution, and insulin sensitivity in menopausal women: a randomized, double-blind placebo-controlled trial. *J Clin Endocrinol Metab* 90:2701-2707, 2005.

Goodrow GJ, Gannon B, L'Hommedieu GD, Sites CK. Predictors of worsening insulin sensitivity in postmenopausal women. *Am J Obstet Gynecol* 194:355-361, 2006.

Dumas J, Hancur-Bucci C, Naylor M, Sites C, Newhouse P. Estrogen treatment effects on anticholinergic-induced cognitive dysfunction in normal postmenopausal women. *Neuropsychopharmacology*. 2006 Feb 15;[Epub ahead of print].

Cooper BC, Sites CK, Fairhurst PA, Toth MJ. Evidence against a role for ovarian hormones in the regulation of blood flow. In press, *Fertil Steril*.

Toth MJ, Sites CK, Mathews DE, Casson PR. Ovarian suppression with gonadotropin-releasing hormone agonist reduces whole body protein turnover in women. *Am J Physiol Endocrinol Metab*. 2006 Apr 18;[Epub ahead of print].

Toth MJ, Sites CK, Matthews DE. Role of ovarian hormones in the regulation of protein metabolism in women: effects of menopausal status and hormone replacement therapy. *Am J Physiol Endocrinol Metab*. 2006 May 9;[Epub ahead of print].

Cooper BC, Sites CK, Casson PR, Toth MJ. Ovarian suppression with gonatropin-releasing hormone agonist does not alter insulin-stimulated glucose disposal. In press, *Fertil Steril*, 2006.

Cooper BC, Burger NZ, Toth MJ, Cushman M, Sites CK. Insulin resistance with hormone replacement therapy: associations with markers of inflammation and adiposity. *Am J. Obstet Gynecol* 196(2):123.e1-7, 2007.

Sites CK, Cooper BC, Toth MJ, Gastaldelli A, Arabshahi A, Barnes S. Effect of a daily supplement of soy protein on body composition and insulin secretion in postmenopausal women. In press, *Fertil Steril*, 2007.