

Scientific Activities of the
California Pacific Medical Center Research Institute

2005 Compendium of Peer-Reviewed Publications

Scientists at the California Pacific Medical Center Research Institute are involved in a variety of laboratory and clinical research projects. This report includes manuscripts published in the peer-reviewed literature in 2005, listed in alphabetical order by Principal Investigator (PI). We appreciate the contributions of many other scientists (including post-doctoral fellows and technicians) in the Research Institute.

Mary Abood, PhD (aboodm@cpmcri.org)

Dr. Abood's laboratory studies cannabinoid receptors on the surface of neurons and other cells, including their possible role in amyotrophic lateral sclerosis (ALS).

Picone RP, Khanolkar AD, Xu W, Ayotte LA, Thakur GA, Hurst DP, **Abood ME**, et al. (-)-7'-Isothiocyanato-11-hydroxy-1',1'-dimethylheptylhexahydrocannabinol (AM841), a high-affinity electrophilic ligand, interacts covalently with a cysteine in helix six and activates the CB1 cannabinoid receptor. *Mol Pharmacol* 2005;68(6):1623-35.

See also Sean McAllister.

John Astin, PhD (astinja@cpmcri.org)

Dr. Astin's work involves an examination of barriers to the integration of psychosocial medicine to standard medical care.

Astin JA, Goddard T, **Forys K**. (2005). Barriers to the integration of mind-body medicine: Perceptions of physicians, residents and medical students. *Explore: The Journal of Science & Healing*, 1: 278-283.

Shapiro SL, **Astin JA**, Bishop S, Cordova M. (2005). Mindfulness-based stress reduction for health care professionals: Results from a randomized trial. *International Journal of Stress Management*, 12: 164-176.

Eton D, Koffler K, Cella D, Eisenstein A, **Astin JA**, Pelletier KR, & Riley D. (2005). Developing a self-report outcome measure for complementary and alternative medicine. *Explore: The Journal of Science & Healing*, 1: 177-185.

Eric Beattie, PhD (beattie@cpmcri.org)

Dr. Beattie studies the AMPA receptor in neurons.

Stellwagen D, **Beattie EC**, **Seo JY**, Malenka RC. Differential regulation of AMPA receptor and GABA receptor trafficking by tumor necrosis factor-alpha. *J Neurosci* 2005;25(12):3219-28.

Leonoudakis D, Braithwaite SP, Beattie MS, **Beattie EC**. TNFalpha-induced AMPA-receptor trafficking in CNS neurons; relevance to excitotoxicity? *Neuron Glia Biol* 2004;1(3):263-273.

See also LiXi Yang.

James L. Bennington, MD (benninj@cpmcricri.org)

See Nancy Lee and Dan Moore.

Luiz Bermudez, MD (bermudl@cpmcricri.org)

Dr. Bermudez has a longstanding interest in how mycobacteria infect cells.

Danelishvili L, **Wu M, Young LS, Bermudez LE**. Genomic approach to identifying the putative target of and mechanisms of resistance to mefloquine in mycobacteria. *Antimicrob Agents Chemother* 2005;49(9):3707-14.

Li Y, Miltner E, **Wu M, Petrofsky M, Bermudez LE**. A *Mycobacterium avium* PPE gene is associated with the ability of the bacterium to grow in macrophages and virulence in mice. *Cell Microbiol* 2005;7(4):539-48.

MacGregor RR, Hafner R, Wu JW, Murphy RL, Perlman DC, **Bermudez LE**, et al. Clinical, microbiological, and immunological characteristics in HIV-infected subjects at risk for disseminated *Mycobacterium avium* complex disease: an AACTG study. *AIDS Res Hum Retroviruses* 2005;21(8):689-95.

Miltner E, Daroogheh K, Mehta PK, Cirillo SL, Cirillo JD, **Bermudez LE**. Identification of *Mycobacterium avium* genes that affect invasion of the intestinal epithelium. *Infect Immun* 2005;73(7):4214-21.

Petrofsky M, Bermudez LE. CD4+ T cells but Not CD8+ or gammadelta+ lymphocytes are required for host protection against *Mycobacterium avium* infection and dissemination through the intestinal route. *Infect Immun* 2005;73(5):2621-7.

Wagner D, Maser J, Lai B, Cai Z, Barry CE, 3rd, Honer Zu Bentrup K, Russell DG, **Bermudez LE**. Elemental analysis of *Mycobacterium avium*-, *Mycobacterium tuberculosis*-, and *Mycobacterium smegmatis*-containing phagosomes indicates pathogen-induced microenvironments within the host cell's endosomal system. *J Immunol* 2005;174(3):1491-500.

Wagner D, Maser J, Moric I, Boechat N, Vogt S, Gicquel B, Lai B, Reyrat JM, **Bermudez L**. Changes of the phagosomal elemental concentrations by *Mycobacterium tuberculosis* Mramp. *Microbiology* 2005;151(Pt 1):323-32.

Wagner D, Sangari FJ, Parker A, **Bermudez LE**. *fecB*, a gene potentially involved in iron transport in *Mycobacterium avium*, is not induced within macrophages. *FEMS Microbiol Lett* 2005;247(2):185-91.

Kenneth Binmoeller, MD (binmoek@sutterhealth.org)

Dr. Binmoeller reported the results of a comparison of different screening techniques for colon cancer.

Rockey DC, Paulson E, Niedzwiecki D, Davis W, Bosworth HB, Sanders L, . . . **Binmoeller K**, et al. Analysis of air contrast barium enema, computed tomographic colonography, and colonoscopy: prospective comparison. *Lancet* 2005;365(9456):305-11.

Maurizio Bonacini, MD (bonacim@sutterhealth.org)

Dr. Bonacini studies the treatment of liver disease.

Savur S, **Bonacini M, Bzowej N, Gish R, Wakil A, Osorio R.** Erythropoietin is approved for the treatment of anemia associated with renal failure, chemotherapy, preoperative anemia, and human immunodeficiency virus disease. *Liver Transpl* 2005;11(3):366.

Combes B, Emerson SS, Flye NL, Munoz SJ, Luketic VA, Mayo MJ, . . ., **Bonacini M,** et al. Methotrexate (MTX) plus ursodeoxycholic acid (UDCA) in the treatment of primary biliary cirrhosis. *Hepatology* 2005;42(5):1184-93.

Daugherty T, **Bonacini M.** Therapy of hepatitis C in patients with HIV infection. *Expert Rev Anti Infect Ther* 2005;3(3):375-84.

Romagnuolo J, Andrews CN, Bain VG, **Bonacini M,** Cotler SJ, Ma M, et al. Simple clinical variables predict liver histology in hepatitis C: prospective validation of a clinical prediction model. *Scand J Gastroenterol* 2005;40(11):1365-71.

Soriano V, Puoti M, **Bonacini M,** Brook G, Cargnel A, Rockstroh J, et al. Care of patients with chronic hepatitis B and HIV co-infection: recommendations from an HIV-HBV International Panel. *Aids* 2005;19(3):221-40.

Warren Browner, MD, MPH (warren@cpmcri.org)

Dr. Browner studies the epidemiology of aging, including cardiovascular disease.

Gehi A, Mangano D, Pipkin S, **Browner WS,** Whooley MA. Depression and heart rate variability in patients with stable coronary heart disease: findings from the Heart and Soul Study. *Arch Gen Psychiatry* 2005;62(6):661-6.

Hillier TA, Rizzo JH, Pedula KL, Cauley JA, Schwartz AV, Ensrud KE, **Browner WS.** Increased mortality associated with the metabolic syndrome in older women with diabetes. *Diabetes Care* 2005;28(9):2258-60.

Otte C, Neylan TC, Pipkin SS, **Browner WS,** Whooley MA. Depressive symptoms and 24-hour urinary norepinephrine excretion levels in patients with coronary disease: findings from the Heart and Soul Study. *Am J Psychiatry* 2005;162(11):2139-45.

Reid IR, Gamble GD, Grey AB, Black DM, Ensrud KE, **Browner WS,** et al. beta-Blocker use, BMD, and fractures in the study of osteoporotic fractures. *J Bone Miner Res* 2005;20(4):613-8.

Reiner AP, Diehr P, **Browner WS,** Humphries SE, Jenny NS, Cushman M, et al. Common promoter polymorphisms of inflammation and thrombosis genes and longevity in older adults: the cardiovascular health study. *Atherosclerosis* 2005;181(1):175-83.

Natalie Bzowej, MD (bzowejn@sutterhealth.org)

Dr. Bzowej studies hepatitis C.

Dove L, **Phung Y, Bzowej N,** Kim M, Monto A, Wright TL. Viral evolution of hepatitis C in injection drug users. *J Viral Hepat* 2005;12(6):574-83.

Charles Cobbs, MD (charles.cobbs@gmail.com; cobbsc@cpmcri.org)

Dr. Cobbs' research explores the etiology of brain tumors.

Tang J, Shao W, Dorak MT, Li Y, Miike R, Lobashevsky E, Wiencke JK, Wrensch M, Kaslow RA, **Cobbs CS**. Positive and negative associations of human leukocyte antigen variants with the onset and prognosis of adult glioblastoma multiforme. *Cancer Epidemiol Biomarkers Prev* 2005;14(8):2040-4.

Steve Cummings, MD (scummings@sfcc-cpmc.net)

Dr. Cummings does research in women's health, especially breast cancer and osteoporosis.

Antoniucci DM, Sellmeyer DE, Cauley JA, Ensrud KE, Schneider JL, Vesco KK, **Cummings SR**, Melton LJ 3rd. Study of Osteoporotic Fractures Research Group. Postmenopausal bilateral oophorectomy is not associated with increased fracture risk in older women. *J Bone Miner Res*. 2005;20(5):741-7.

Cauley JA, **Lui LY**, Ensrud KE, Zmuda JM, **Stone KL**, Hochberg MC, **Cummings SR**. Bone mineral density and the risk of incident nonspinal fractures in black and white women. *JAMA*. 2005;293(17):2102-8.

Cesari M, Kritchevsky SB, Nicklas BJ, Penninx BWHJ, Holvoet P, Koh-Banerjee P, **Cummings SR**, Harris TB, Newman AB, Pahor M. Lipoprotein Peroxidation and Mobility Limitation. *Arch Intern Med* 2005;165(18):2148-54.

Chapurlat Rd, Palermo L, Ramsay P, **Cummings SR**. Risk of fracture among women who lose bone density during treatment with alendronate. *The Fracture Intervention Trial*. *Osteoporos Int* 2005;16(7):842-8.

Clark P, Lavielle P, Franco-Marina F, Ramirez E, Salmeron J, Kanis JA, **Cummings SR**, et al. Incidence Rates and Life-time Risk of Hip Fractures in Mexicans over 50 years of age; A population-based study. *Osteoporos Int*. 2005;16(12):2025-30.

Cummings SR. Bone density screening: a new level of evidence? *Ann Intern Med*. 2005;142(3):217-9.

Cummings SR, Lee JS, Lui LY, Stone K, Ljung BM, Cauley JA. Sex hormones, risk factors, and risk of estrogen receptor-positive breast cancer in older women: a long-term prospective study. *Cancer Epidemiol Biomarkers Prev*. 2005;14(5):1047-51.

Felson DT, **Cummings SR**. Aromatase inhibitors and the syndrome of arthralgias with estrogen deprivation. *Arthritis & Rheumatism* 2005;52(9):2594-8.

Feng Y, Hsu YH, Terwedow H, Chen C, Xu X, Niu T, Zang T, Wu D, Tang G, Li Z, Hong X, Wang B, Brain J, **Cummings SR**, Rosen C, Bouxsein ML, Xu X. Familial Aggregation of Bone Mineral Density (BMD) and Bone Mineral Content (BMC) in Chinese. *Osteoporos Intl* 2005;16(12):1917-1923.

Jacobs BP, Bent S, Tice JA, **Blackwell T, Cummings SR**. An Internet-Based Randomized, Placebo-Controlled Trial of Kava and Valerian for Anxiety and Insomnia. *Medicine (Baltimore)*. 2005;84(4):197-207.

Kerlikowske K, Shepherd J, Creasman J, Tice JA, Ziv E, **Cummings SR**. Are breast density and bone mineral density independent risk factors for breast cancer? *J Natl Cancer Inst*. 2005;97(5):368-74.

Kurella M, Chertow GM, Fried LF, **Cummings SR**, Harris T, Simonsick E, Satterfield S, Ayonayon H, Yaffe K. Chronic kidney disease and cognitive impairment in the elderly: the health, aging, and body composition study. *J Am Soc Nephrol*. 2005;16(7):2127-33.

Modugno F, Zmuda JM, Potter D, Cai C, Ziv E, **Cummings SR, Stone KL**, et al. Estrogen metabolizing polymorphisms and breast cancer risk among older white women. *Breast Cancer Res Treat* 2005;93(3):261-70.

Modugno F, Zmuda JM, Potter D, Cai C, Ziv E, **Cummings SR, Stone, KL**, et al. Association of estrogen receptor alpha polymorphisms with breast cancer risk in older Caucasian women. *Int J Cancer* 2005;116(6):984-91.

Moffett SP, Zmuda JM, Oakley JI, Beck TJ, Cauley JA, **Stone KL, Lui LY**, Ensrud KE, Hillier TA, Hochberg MC, Morin P, Peltz G, Greene D, **Cummings SR**. Tumor necrosis factor-alpha polymorphism, bone strength phenotypes, and the risk of fracture in older women. *J Clin Endocrinol Metab.* 2005;90(6):3491-7.

Nevitt MC, **Cummings SR, Stone KL**, Palermo L, Black DM, Bauer DC, Genant HK, Hochberg MC, Ensrud KE, Hillier TA, Cauley JA. Risk factors for a first-incident radiographic vertebral fracture in women > or = 65 years of age: the study of osteoporotic fractures. *J Bone Miner Res.* 2005;20(1):131-40.

Orwoll E, Blank JB, Barrett-Connor E, Cauley J, **Cummings S**, Ensrud K, et al. Design and baseline characteristics of the osteoporotic fractures in men (MrOS) study—a large observational study of the determinants of fractures in older men. *Contemp Clin Trials* 2005;26(5):569-85.

Reiner AP, Ziv E, Lind DL, Nievergelt CM, Schork, NJ, **Cummings SR**, Phong A, Burchard EG, Harris TB, Psaty BM, Kwok PY. Population structure, admixture, and aging-related phenotypes in African American adults: the Cardiovascular Health Study. *Am J Hum Genet.* 2005;76(3):463-77.

Schwartz Av, Sellmeyer DE, Strotmeyer ES, Tylavsky FA, Feingold KR, Resnick HE, . . . **Cummings SR**, et al. Diabetes and bone loss at the hip in older black and white adults. *J Bone Miner Res* 2005;20(4):596-603.

Shepherd JA, Herve L, Landau J, Fan B, Kerlikowske K, **Cummings SR**. Novel use of single X-ray absorptiometry for measuring breast density. *Technol Cancer Res Treat.* 2005;4(2):173-82.

Siris ES, Harris ST, Eastell R, Zanchetta JR, Goemaere S, Diez-Perez A, Stock JL, Song J, Qu Y, Kulkarni PM, Siddhanti SR, Wong M, **Cummings SR**, Continuing Outcomes Relevant to Evista (CORE) Investigators. Skeletal effects of raloxifene after 8 years: results from the continuing outcomes relevant to Evista (CORE) study. *J Bone Miner Res* 2005;20(9):1514-24.

Tanko LB, Christiansen C, Cox D, Geiger MJ, McNabb M, **Cummings SR**. Relationship Between Osteoporosis and Cardiovascular Disease in Postmenopausal Women. *JBMR* 2005;20(11):1912-20.

Tice JA, **Cummings SR**, Ziv E, Kerlikowske K. Mammographic breast density and the gail model for breast cancer risk prediction in a screening population. *Breast Cancer Res Treat* 2005;94(2):115-22.

Wong SY, Lau EM, Lynn H, Leung PC, Woo J, **Cummings SR**, Orwoll E. Depression and bone mineral density: is there a relationship in elderly Asian men? Results from Mr.OS (Hong Kong). *Osteoporos Int* 2005;16(6):610-5.

Cummings SR. Controversies in the Clinical Management of Osteoporosis in the U.S.A. *Osteoporosis Japan.* 2005;13(3):11-12.

Schwartz AV, Sellmeyer DE, Strotmeyer ES, Tylavsky FA, Feingold KR, Resnick HE, Shorr RI, Nevitt MC, Black DM, Cauley JA, **Cummings SR**, Harris TB; Health ABC Study. Diabetes and bone loss at the hip in older black and white adults. *J Bone Miner Res.* 2005;20(4):596-603.

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Jamal SA, Leiter RE, Bayoumi AM, Bauer DC, **Cummings SR**. Clinical utility of laboratory testing in women with osteoporosis. *Osteoporos Int*. 2005;16(5):534-40.

Yaffe K, Krueger K, **Cummings SR**, **Blackwell T**, Henderson VW, Sarkar S, Ensrud K, Grady D. Effect of raloxifene on prevention of dementia and cognitive impairment in older women: the Multiple Outcomes of Raloxifene Evaluation (MORE) randomized trial. *Am J Psychiatry*. 2005;162(4):683-90.

Shanaz Dairkee, PhD (dairkees@cpmcri.org)

Dr. Dairkee studies the cell biology of breast cancer.

Shoemaker M, Hamilton B, **Dairkee SH**, Cohen I, Campbell MJ. In vitro anticancer activity of twelve Chinese medicinal herbs. *Phytother Res* 2005;19(7):649-51.

Pierre Desprez, PhD (desprepy@cpmcri.org)

The Desprez laboratory studies the early changes that occur in cancer cells.

Tepper CG, Gregg JP, Shi XB, Vinall RL, Baron CA, Ryan PE, **Desprez PY**, et al. Profiling of gene expression changes caused by p53 gain-of-function mutant alleles in prostate cancer cells. *Prostate* 2005;65(4):375-89.

Gantt Galloway, PharmD (gallowg@cpmcri.org)

Dr. Galloway studies why people get addicted to drugs and what we can do about it.

Galloway GP, Koch M, Cello R, Smith DE. Pharmacokinetics, safety, and tolerability of a depot formulation of naltrexone in alcoholics: an open-label trial. *BMC Psychiatry* 2005;5(1):18.

Nordahl TE, Salo R, Natsuaki Y, **Galloway GP**, Waters C, Moore CD, et al. Methamphetamine users in sustained abstinence: a proton magnetic resonance spectroscopy study. *Arch Gen Psychiatry* 2005;62(4):444-52.

Robert Gish, MD (gishr@sutterhealth.org)

Dr. Gish does clinical research in patients with hepatitis and other forms of liver disease.

Aora S, Xu C, Teng A, Peterson J, Yeh LT, **Gish R**, et al. Ascending multiple-dose pharmacokinetics of viramidine, a prodrug of ribavirin, in adult subjects with compensated hepatitis C infection. *J Clin Pharmacol* 2005;45(3):275-85.

Chang TT, **Gish RG**, Hadziyannis SJ, Cianciara J, Rizzetto M, Schiff ER, et al. A dose-ranging study of the efficacy and tolerability of entecavir in Lamivudine-refractory chronic hepatitis B patients. *Gastroenterology* 2005;129(4):1198-209.

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Gish RG. Current treatment and future directions in the management of chronic hepatitis B viral infection. Clin Liver Dis 2005;9(4):541-65, v.

Gish RG. Clinical trial results of new therapies for HBV: implications for treatment guidelines. Semin Liver Dis 2005;25 Suppl 1:29-39.

Gish RG, Afdhal NH, Dieterich DT, Reddy KR. Management of hepatitis C virus in special populations: patient and treatment considerations. Clin Gastroenterol Hepatol 2005;3(4):311-8.

Gish RG, Trinh H, Leung N, Chan FK, Fried MW, Wright TL, et al. Safety and antiviral activity of emtricitabine (FTC) for the treatment of chronic hepatitis B infection: a two-year study. J Hepatol 2005;43(1):60-6.

Kato H, Fujiwara K, **Gish RG, Sakugawa H, Yoshizawa H, Sugauchi F, et al.** Classifying genotype F of hepatitis B virus into F1 and F2 subtypes. World J Gastroenterol 2005;11(40):6295-304.

Kowdley KV, Brandhagen DJ, **Gish RG, Bass NM, Weinstein J, Schilsky ML, et al.** Survival after liver transplantation in patients with hepatic iron overload: the national hemochromatosis transplant registry. Gastroenterology 2005;129(2):494-503.

Sanne I, Mommeja-Marin H, Hinkle J, Bartlett JA, Lederman MM, Maartens G, Wakeford C, Shaw A, Quinn J, **Gish RG, et al.** Severe hepatotoxicity associated with nevirapine use in HIV-infected subjects. J Infect Dis 2005;191(6):825-9.

Terrault NA, Pawlotsky JM, McHutchison J, Anderson F, Krajden M, Gordon S, Zitron I, Perrillo R, **Gish RG, et al.** Clinical utility of viral load measurements in individuals with chronic hepatitis C infection on antiviral therapy. J Viral Hepat 2005;12(5):465-72.

See also Maurizio Bonacini.

William Goodson, MD (goodsow@cpmcricri.org)

Dr. Goodson studies the diagnosis of breast cancer and how to improve the clinical breast examination.

Goodson WH 3rd, Grissom NA, Moore DH 2nd, Dirbas FM. Streamlining clinical breast examination. J Natl Cancer Inst. 2005 Oct 5;97(19):1476-7.

Dieter Gruenert, PhD (gruenedc@cpmcricri.org)

Dr. Gruenert studies how to correct genetic errors in diseases such as cystic fibrosis.

da Paula AC, Ramalho AS, Farinha CM, Cheung J, Maurisse R, **Gruenert DC, et al.** Characterization of novel airway submucosal gland cell models for cystic fibrosis studies. Cell Physiol Biochem 2005;15(6):251-62

Kenneth Laxer, MD (laxerkd@cpmcricri.org)

Dr. Laxer studies the use of modern technologies like magnetic resonance imaging (MRI) in patients with epilepsy.

Kirsch HE, Walker JA, Winstanley FS, Hendrickson R, Wong ST, Barbaro NM, **Laxer KD**, et al. Limitations of Wada memory asymmetry as a predictor of outcomes after temporal lobectomy. *Neurology* 2005;65(5):676-80.

Mueller SG, **Laxer KD**, Barakos JA, Cashdollar N, Flenniken DL, Vermathen P, et al. Metabolic characteristics of cortical malformations causing epilepsy. *J Neurol* 2005;252(9):1082-92.

Nancy M. Lee, PhD (leenm@cpmcricri.org)

Dr. Lee and her colleagues study colon cancer and ALS.

Hao CY, **Moore DH**, Chiu YS, Wong P, **Bennington JL**, **Smith AP**, Chen LC, **Lee NM**. Altered gene expression in normal colonic mucosa of individuals with polyps of the colon. *Dis Colon Rectum* 2005;48(12):2329-35.

Ignacio S, **Moore DH**, **Smith AP**, **Lee NM**. Effect of neuroprotective drugs on gene expression in G93A/SOD1 mice. *Ann N Y Acad Sci* 2005;1053:121-36.

See also Dan Moore.

Vishwanath (Vishu) Lingappa, MD, PhD (lingapv@cpmcricri.org)

Dr. Lingappa studies how protein folding can lead to disease.

Lingappa VR, Lingappa JR. Recent insights into biological regulation from cell-free protein-synthesizing systems. *Mt Sinai J Med* 2005;72(3):141-60.-82.

Jian Liu, PhD (liuj@cpmcricri.org)

Dr. Liu studies the process of neurodegeneration in ALS.

Liu J, Shinobu LA, Ward CM, Young D, Cleveland DW. Elevation of the Hsp70 chaperone does not effect toxicity in mouse models of familial amyotrophic lateral sclerosis. *J Neurochem* 2005;93(4):875-82.

Elliott Main, MD (maine@sutterhealth.org)

Dr. Main studies how to improve the outcomes of pregnant women.

Lam F, Istwan NB, Rhea D, Smith M, **Main E**, **Slagle T**, et al. Evaluation of the pregnancy prolongation index (PPI) as a measure of success of obstetric interventions in the prevention of preterm birth and associated morbidities. *Am J Obstet Gynecol* 2005;192(6):2047-52; discussion 2053-4.

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Wiggins DA, **Main E**. Outcomes of pregnancies achieved by donor egg in vitro fertilization--a comparison with standard in vitro fertilization pregnancies. Am J Obstet Gynecol 2005;192(6):2002-6; discussion 2006-8.

Sean McAllister, PhD (mcallis@cpmcri.org)

Dr. McAllister conducts research on the cannabinoid receptor in cancer cells.

McAllister SD, Chan C, Taft RJ, Luu T, Abood ME, Moore DH, Aldape K, Yount G. Cannabinoids selectively inhibit proliferation and induce death of cultured human glioblastoma multiforme cells. J Neurooncol 2005;74(1):31-40.

John Mendelson, MD (mendelje@cpmcri.org)

Dr. Mendelson studies the pharmacokinetics of substance abuse.

Harris DS, Reus VI, Wolkowitz OM, **Mendelson JE**, Jones RT. Repeated psychological stress testing in stimulant-dependent patients. Prog Neuropsychopharmacol Biol Psychiatry 2005;29(5):669-77.

Robert Miller, MD (millerrx@cpmcri.org)

Dr. Miller and his group study treatments for ALS.

England JD, Gronseth GS, Franklin G, **Miller RG**, Asbury AK, Carter GT, et al. Distal symmetric polyneuropathy: a definition for clinical research: report of the American Academy of Neurology, the American Association of Electrodiagnostic Medicine, and the American Academy of Physical Medicine and Rehabilitation. Neurology 2005;64(2):199-207.

Jablecki CK, Busis NA, Brandstater MA, Krivickas LS, **Miller RG**, Robinton JE. Reporting the results of needle EMG and nerve conduction studies: an educational report. Muscle Nerve 2005;32(5):682-5.

Mitsumoto H, Bromberg M, Johnston W, Tandan R, Byock I, Lyon M, **Miller RG**, et al. Promoting excellence in end-of-life care in ALS. Amyotroph Lateral Scler Other Motor Neuron Disord 2005;6(3):145-54.

Zhang R, Gascon R, **Miller RG**, Gelinis DF, Mass J, Hadlock K, et al. Evidence for systemic immune system alterations in sporadic amyotrophic lateral sclerosis (sALS). J Neuroimmunol 2005;159(1-2):215-24.

Minor, David, MD (minord@sutterhealth.org)

Dr. Minor is an oncologist who studies the treatment of cancer patients.

Minor DR, Madland MT, Kashani-Sabet M, Denny SR, Harvey WB. A retrospective study of biochemotherapy for metastatic melanoma: the importance of dose intensity. Cancer Biother Radiopharm 2005;20(5):479-86.

Dan Moore, PhD (mooredx@cpmcricri.org)

Dr. Moore is a biostatistician who works with many CPMCRI investigators and physicians.

Hao CY, **Moore DH**, Wong P, **Bennington JL**, **Lee NM**, Chen LC. Alteration of gene expression in macroscopically normal colonic mucosa from individuals with a family history of sporadic colon cancer. *Clin Cancer Res* 2005;11(4):1400-7.

Devries S, Nyante S, Korkola J, Seagraves R, Nakao K, **Moore D**, Bae H, Wilhelm M, Hwang S, Waldman F. Array-based comparative genomic hybridization from formalin-fixed, paraffin-embedded breast tumors. *J Mol Diagn.* 2005 Feb;7(1):65-71.

DiGiovanna MP, Stern DF, Edgerton SM, Whalen SG, **Moore D 2nd**, Thor AD. Relationship of epidermal growth factor receptor expression to ErbB-2 signaling activity and prognosis in breast cancer patients. *J Clin Oncol.* 2005 Feb 20;23(6):1152-60.

Mehta KR, Nakao K, Zuraek MB, Ruan DT, Bergsland EK, Venook AP, **Moore DH**, Tokuyasu TA, Jain AN, Warren RS, Terdiman JP, Waldman FM. Fractional genomic alteration detected by array-based comparative genomic hybridization independently predicts survival after hepatic resection for metastatic colorectal cancer. *Clin Cancer Res.* 2005 Mar 1;11(5):1791-7.

Liu R, Nair D, Ix J, **Moore DH**, Bent S. N-acetylcysteine for the prevention of contrast-induced nephropathy. A systematic review and meta-analysis. *J Gen Intern Med.* 2005 Feb;20(2):193-200.

Misra A, Pellarin M, Nigro J, Smirnov I, **Moore D**, Lamborn KR, Pinkel D, Albertson DG, Feuerstein BG. Array comparative genomic hybridization identifies genetic subgroups in grade 4 human astrocytoma. *Clin Cancer Res.* 2005 Apr 15;11(8):2907-18.

Melisko ME, Hassin F, Metzroth L, **Moore DH**, Brown B, Patel K, Rugo HS, Tripathy D. Patient and physician attitudes toward breast cancer clinical trials: developing interventions based on understanding barriers. *Clin Breast Cancer.* 2005 Apr;6(1):45-54.

See also John Astin, William Goodson, Nancy Lee, Sean McAllister, and Garret Yount.

Tom Musci, MD (muscit@sutterhealth.org)

Dr. Musci studies neonatal genetics and other perinatal issues.

Musci TJ, Caughey AB. Cost-effectiveness analysis of prenatal population-based fragile X carrier screening. *Am J Obstet Gynecol* 2005;192(6):1905-12; discussion 1912-5.

Musci TJ. Screening for single gene genetic disease. *Gynecol Obstet Invest* 2005;60(1):19-26.

Marilyn Schlitz, PhD (mschlitz@noetic.org)

Dr. Schlitz studies how non-conventional therapies may work.

Radin DI, **Schlitz MJ**. Gut feelings, intuition, and emotions: an exploratory study. *J Altern Complement Med* 2005;11(1):85-91.

See also Garret Yount.

Stone, Katie, PhD (kstone@sfcc-cpmc.net)

Dr. Stone studies osteoporosis and sleep disorders in the elderly.

Blackwell T, Ancoli-Israel S, Gehrman PR, Schneider JL, Pedula KL, **Stone KL**. Actigraphy scoring reliability in the study of osteoporotic fractures. *Sleep* 2005;28(12):1599-605.

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