

1. Benson BE, Carson RE, Kiesewetter DO, Herscovitch P, Eckelman WC, Post RM, Ketter TA. (2004) A Potential Cholinergic Mechanism of Procaine's Limbic Activation. *Neuropsychopharmacology*, 29:7;1239-1250.
2. Coenen HH, Eckelman WC. (2004) In memoriam Gerhard L. Stocklin, *Radiochimica Acta*. 92:4-6;189-191.
3. Eckelman WC. (2004) Obituary - Joseph Steigman. *Nuclear Medicine and Biology*. 31:7;971-972.
4. Eckelman WC, Rice KC, Contoreggi C. (2004) New Tools to Monitor Stress Using Non-Invasive PET Imaging. *Ann N Y Acad Sci*, 1018:487-494.
5. Gil-da-Costa R, Braun A, Lopes M, Hauser MD, Carson RE, Herscovitch P, Martin A. (2004) Toward an evolutionary perspective on conceptual representation: species-specific calls activate visual and affective processing systems in the macaque. *Proc Natl Acad Sci U S A*. 101:50;17516-17521.
6. Giovacchini G, Lerner A, Toczek MT, Fraser C, Ma K, DeMar JC, Herscovitch P, Eckelman WC, Rapoport SI, Carson RE. (2004) Brain incorporation of ¹¹C-arachidonic acid, blood volume, and blood flow in healthy aging: a study with partial-volume correction. *J Nucl Med*, 45:9;1471-1479.
7. Jagoda EM, Vaquero JJ, Seidel J, Green MV, Eckelman WC. (2004) Experiment assessment of mass effects in the rat: implications for small animal PET imaging. *Nucl Med Biol*, 31:6;771-779.
8. Lucignani G, Panzacchi A, Bosio L, Moresco RM, Ravasi L, Coppa I, Chiumello G, Frey K, Koeppe R, Fazio F. (2004) GABA(A) receptor abnormalities in Prader-Willi syndrome assessed with positron emission tomography and [¹¹C]flumazenil. *Neuroimage*, 22:1;22-28.
9. Ma Y, Lang L, Kiesewetter DO, Vuong BK, Channing M, Ito Y, Eckelman WC. (2004) Purification of the precursor for the automated radiosynthesis of [¹⁸F]FCWAY by counter-current chromatography. *J Chromatogr A*, 1034:1-2;149-153.
10. Marengo S, Carson RE, Berman KF, Herscovitch P, Weinberger DR. (2004) Nicotine-induced dopamine release in primates measured with [¹¹C]raclopride PET. *Neuropsychopharmacology*, 29:2;259-68.
11. Neumeister A, Nugent AC, Waldeck T, Geraci M, Schwarz M, Bonne O, Bain EE, Luckenbaugh DA, Herscovitch P, Charney DS, Drevets WC. (2004) Neural and behavioral responses to tryptophan depletion in unmedicated patients with remitted major depressive disorder and controls. *Arch Gen Psychiatry*, 61:8;765-773.

12. Neumeister A, Bain E, Nugent AC, Carson RE, Bonne O, Luckenbaugh DA, Eckelman WC, Herscovitch P, Charney DS, Drevets WC. (2004) Reduced serotonin type 1A receptor binding in panic disorder. *J Neurosci.* 24:3;589-591.
13. Park LS, Szajek LP, Wong KJ, Plascjak PS, Garmestani K, Googins S, Eckelman WC, Carrasquillo JA, Paik CH. (2004) Semi-automated (86)Y purification using a three-column system. *Nucl Med Biol*, 31:2;297-301.
14. Pascali G, Kiesewetter DO, Salvadori PA, Eckelman WC. (2004) Use of 1,8-bis-(dimethylamino)-naphthalene/(HF)-F-18 complex as new radiofluorinating agent. *Journal of Labelled Compounds & Radiopharmaceuticals*, 47:6;373-383.
15. Poremba A, Malloy M, Saunders RC, Carson RE, Herscovitch P, Mishkin M. (2004) Species-specific calls evoke asymmetric activity in the monkey's temporal poles. *Nature*, 427:6973;448-451.
16. Shimoji K, Ravasi L, Schmidt K, Soto-Montenegro ML, Esaki T, Seidel J, Jagoda E, Sokoloff L, Green MV, Eckelman WC. (2004) Measurement of Cerebral Glucose Metabolic Rates in the Anesthetized Rat by Dynamic Scanning with (18)F-FDG, the ATLAS Small Animal PET Scanner, and Arterial Blood Sampling. *J Nucl Med*, 45:4;665-672.
17. Szajek LP, Kao CHK, Kiesewetter DO, Sassaman MB, Lang L, Plascjak P, Eckelman WC. (2004) Semi-remote production of Br-76 and preparation of high specific activity radiobrominated pharmaceuticals for PET studies. *Radiochimica Acta*, 92:4-6;291-295.
18. Wesley JN, McGee EC, Garmestani K, Brechbiel MW, Yordanov AT, Wu C, Gansow OA, Eckelman WC, Bacher JD, Flynn M, Goldman CK, MacLin M, Schwartz UP, Jackson-White T, Phillip CM, Decker J, Waldmann TA. (2004) Systemic radioimmunotherapy using a monoclonal antibody, anti-Tac directed toward the alpha subunit of the IL-2 receptor armed with the alpha-emitting radionuclides (212)Bi or (211)At. *Nucl Med Biol*, 31:3;357-364.
19. Wittenberg GF, Werhahn KJ, Wassermann EM, Herscovitch P, Cohen LG. (2004) Functional connectivity between somatosensory and visual cortex in early blind humans. *Eur J Neurosci*, 20:7;1923-1927.
20. Wu CH, Huang H, Nikolskaya A, Hu Z, Barker WC. (2004) The iProClass integrated database for protein functional analysis. *Comput Biol Chem*, 28:1;87-96.
21. Yao Z, Zhang M, Garmestani K, Axworthy DB, Mallett RW, Fritzberg AR., Theodore LJ, Plascjak PS, Eckelman WC, Waldmann TA, Pastan I, Paik CH., Brechbiel MW, Carrasquillo JA. (2004) Pretargeted alpha emitting radioimmunotherapy using (213)Bi 1,4,7,10-tetraazacyclododecane-N,N',N'',N'''-tetraacetic acid-biotin. *Clin Cancer Res*, 10:9;3137-3146.

