

Publications:

- Tianfeng Hao, T. and Rockwell, P. Signaling through the vascular endothelial growth factor receptor VEGFR-2 protects hippocampal neurons from mitochondrial dysfunction and oxidative stress (Free Radical Biology & Medicine 2013, in press).
- Edelstein, J. and Rockwell, P. Okadaic acid induces Akt hyperphosphorylation and an oxidative stress-mediated cell death in serum starved SK-N-SH human neuroblastoma cells that are augmented by rapamycin Neuroscience Lett., 2012; 531:74-79.
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- Papa, L. and Rockwell P. The interrelationship between Reactive Oxygen Species (ROS) and proteasome inhibition as inducers of neuronal cell death (Book Chapter for “The Ubiquitin Proteasome System In Nervous System: From Physiology To Pathology - 2008 update”. Edited by Mario Di Napoli, M.D. and Cezary Wojcik, M.D., Ph.D., D.Sc. (2010).
- Gomes, E. and Rockwell P. Inhibition of p38 MAP Kinase exerts opposing effects on the survival and actin reorganization mediated by the vascular endothelial growth factor receptor2 (VEGFR2) signaling pathway in a neuronal model of serum deprivation Neuroscience Lett., 2008; 431:95-100
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- Methods for reducing tumor growth with VEGF receptor antibody combined with radiation and chemotherapy; United States Patent 6,811,779, Rockwell, et al. issued November 2, 2004 to ImClone Systems Inc.
- Figueiredo-Pereira, M., and Rockwell, P. “Eicosanoid Protocols” Book Review. Ed. Elias A. Lianos, Totowa, Humana. TME 2001;12:84-85
- Neuchrist, C Erovic, B.M., Handisurya, A., Steiner, G.E., Rockwell, P., Gedlicka, C. and

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- Figueiredo-Pereira, M.E. and Rockwell, P. (2000) "The ubiquitin/proteasome pathway in neurological disorders" in: Proteolysis in the pathophysiology of neurodegenerative disease. Eds. Banik, Lajtha, and Smith. Kluwer Academic/Plenum Publishers (in press).

- Rockwell, P., Yuan, H., Magnusson, R., and Figueiredo-Pereira, M. (2000) "Proteasome inhibition induces up-regulation of cyclooxygenase-2, its accumulation as ubiquitin conjugates, and production of proinflammatory prostaglandin in neuronal cells" Arch. Biochem. Biophys. 374: 325-333.

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Patents:

- Methods of use of chimerized, humanized, and single chain antibodies specific to VEGF receptors; United States Patent 5,840,301, Rockwell et al., et al. issued November 24, 1998 to ImClone Systems Inc.

- Nucleic acid molecules encoding the variable or hypervariable region of a monoclonal antibody that binds to an extracellular domain; United States Patent 5,861,499, Rockwell, et al. issued January 19, 1999 to ImClone Systems Inc.

- Methods Of Affecting Intracellular Phosphorylation Of Tyrosine Using Phosphorothioate Oligonucleotides, And Antiangiogenic And Antiproliferative Uses Thereof. United States Patent 6,030,955, Stein, Cy and Rockwell, Patricia issued February 29, 2000 to The Trustees of Columbia University in The City of New York and ImClone Systems Inc.

- Single chain antibodies specific to VEGF receptors; United States Patent 5,874,542, Rockwell, et al. issued February 23, 1999 to ImClone Systems Inc.