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I: PEER-REVIEWED PUBLICATIONS

Joseph R, Tsang W, Dou D, Nelson K, Edvardsen K. *Neuronatin* mRNA in PC12 cells: Downregulation by nerve growth factor. Brain Research 1996; 738:32-38 (PAPER).

Joseph R. Molecular cloning of *Neuronatin*: A novel brain-specific mammalian developmental gene. **Ph.D. Thesis**. Field of Molecular Biology, University of London, England, 1996.

Dou D, **Joseph R**. Cloning of human *Neuronatin* gene and its localization to chromosome-20q11.2-12: the deduced protein is a novel "proteolipid". Brain Research 1996; 723:8-22 (PAPER).

Dou D, **Joseph R**. The structure and organization of the human *Neuronatin* gene. Genomics 1996; 33:292-297 (PAPER)

Joseph R, Dou D, Tsang W. *Neuronatin* mRNA: Alternatively spliced forms of a novel brain-specific mammalian developmental gene. Brain Research 1995; 690:92-98 (PAPER).

Joseph R, Tsang W, Dou D. The p23 transplantation antigen mRNA is differentially expressed in human fetal brain. Journal of Neurological Sciences 1995; 130:224-227 (PAPER).

Joseph R, Dou D, Tsang W. Molecular cloning of a novel mRNA (*Neuronatin*) that is highly expressed in neonatal mammalian brain. Biochemical Biophysical Research Communications 1994; 201:1227-1234 (PAPER).

Joseph R, Dou D, Tsang W. Molecular cloning of *Neuronatin*: Alternatively spliced forms of a novel brain-specific mammalian developmental gene. In: Advances in Gene Technology: Molecular Biology and Human Genetic Disease. Nucleic Acids Symp 1994; 30:15 (SHORT REPORT).

Joseph R, Tsang W, Han E. Aurointricarboxylic acid decreases β APP mRNA stability. In: Advances in Gene Technology: Molecular Biology and Human Disease. Nucleic Acids Symp 1994; 29:15 (SHORT REPORT)

Joseph R, Li W, Han E. Neuronal death, cytoplasmic calcium and internucleosomal DNA fragmentation. Evidence for DNA fragments being released from cells. Molecular Brain Research 1993; 17:70-76 (PAPER).

Joseph R, Tsang W, Han E, Saed GM. Neuronal β -amyloid precursor protein gene expression: Regulation by aurointricarboxylic acid. Brain Research 1993; 625:244-255 (PAPER).

Joseph R, Tsering C, Welch KMA. Study of platelet-mediated neurotoxicity in rat brain. Stroke 1992; 23:394-398 (PAPER).

Joseph R, Saroff DM, Delfs JR. Platelet secretory products have a damaging effect on neurons. Neuroscience Letters 1992; 135:153-158 (PAPER).

Joseph R, Tsering C, Grunfeld S, Welch KMA. Serotonin may have neurotoxic properties. Neuroscience Letters 1992; 136:15-18 (PAPER),

Joseph R, Tsering C, Grunfeld S, Welch KMA. Further studies on platelet-mediated neurotoxicity. Brain Research 1992; 577:268-275 (PAPER).

Joseph R, Han E, Tsering C, Grunfeld S, Welch KMA. Platelet activity and stroke severity. Journal of Neurological Sciences 1992; 108:1-6 (PAPER).

Joseph R, Han E. Amyloid β -protein fragment 25-35 causes activation of cytoplasmic calcium in neurons. Biochemical Biophysical Research Communications 1992; 184:1441-1447 (PAPER).

Malmgren R, Grunfeld S, **Joseph R**. On the Significance of different aequorin loading techniques on intracellular discharge, baseline calcium, platelet aggregation and aequorin-induced Ca^{2+} -transients. Thrombosis and Haemostasis 1992; 68:352-356 (PAPER).

Joseph R. The platelet theory of migraine: a controlled clinical and laboratory evaluation. M.Phil Thesis. Charing Cross and Westminster Medical School, Faculty of Medicine, University of London, England, 1991.

Joseph R, Scieli AG, Han E, Grunfeld S, Carretero OA, Welch KMA. Endothelin-1 and human platelet activity. Thrombosis Research 1991; 61:529-536 (PAPER).

Joseph R, Han E, Grunfeld S, Robertson W. Comparative effects of ticlopidine and aspirin on platelet ionized calcium in ischemic stroke. Stroke 1991; 22:532-533 (LETTER).

D'Andrea G, Cananzi AR, **Joseph R**, Morra M, Zamberlan F, FerroMilone F, Grunfeld S, Welch KMA. Cephalalgia 1991; 11:197-200 (PAPER).

Joseph R, Tsering C, Grunfeld S, Welch KMA. Platelet secretory products may contribute to neuronal injury. Stroke 1991; 22:1448-1451 (PAPER).

Joseph R, D'Andrea G, Oster SB, Welch KMA. Whole blood platelet function in acute ischemic stroke: importance of dense body secretion and the effects of antithrombotic agents. Stroke 1989; 20:38-44 (PAPER).

Joseph R, Welch KMA, D'Andrea G. Effect of therapy on platelet activating factor induced aggregation in acute ischemic stroke. Stroke 1989; 20:609-611 (PAPER).

Joseph R, Welch KMA, D'Andrea G, Riddle JM. Evidence for the presence of red and white cells within "platelet" aggregates formed in whole blood. Thrombosis Research 1989; 53:485-491 (PAPER).

D'Andrea G, Welch KMA, Nagel-Leiby S, Grunfeld S, **Joseph R**. Platelet catecholamines in migraine. Cephalalgia 1989; 9:3-5 (PAPER).

D'Andrea G, Cananzi AR, Ferro-Milone F, **Joseph R**, Grunfeld S, Welch KMA. Platelet levels of glutamate and aspartate in normal subjects. Stroke 1989; 20:299-300 (LETTER).

D'Andrea G, Cananzi AR, Ferro-Milone F, Grunfeld S, **Joseph R**. Tyrosine platelet levels in normal subjects. Thrombosis Research 1989; 53:85-87 (LETTER).

Riddle JM, D'Andrea G, Welch KMA, **Joseph R**, McElroy HH, Grunfeld S, Christopherson T. Platelet activation and analysis of organelles in migraineurs. Headache 1989; 29:28-33 (PAPER).

D'Andrea G, Nertempi P, Ferro-Milone F, **Joseph R**, Cananzi AR. Personality and memory in childhood migraine. Cephalagia 1989; 9:25-28 (PAPER).

Joseph R, Han E, Grunfeld S, Welch KMA. Dimethylsulfoxide and stimulation of platelet cytosolic ionized calcium. Thrombosis and Haemostasis 1989; 61:326 (LETTER).

Joseph R, Welch KMA, D'Andrea G, Riddle JM. Platelet-activating factor and red blood cells. Thrombosis Research 1989; 53:629-633 (PAPER).

Joseph R, Riddle JM, Welch KMA, D'Andrea G. Platelet ultrastructure and secretion in acute ischemic stroke. Stroke 1989; 20:1316-1319 (PAPER).

D'Andrea G, Welch KMA, Riddle JM, Grunfeld S, **Joseph R**. Platelet serotonin metabolism and ultrastructure in migraine. Archives of Neurology 1989; 46:1187-1189 (PAPER).

Joseph R, Welch KMA, D'Andrea G. Serotonergic hypofunction in migraine: a synthesis of evidence based on platelet dense body dysfunction. Cephalagia 1989; 9:293-299 (PAPER).

Joseph R, Welch KMA, Oster SB, Grunfeld S, D'Andrea G. A plasmatic factor may cause platelet activation in acute ischemic stroke. Circulation Research 1989; 65:1679-1687 (PAPER).

D'Andrea G, Cananzi AR, Morra M, Fomasiero F, Zamberlan F, Ferro-Milone F, **Joseph R**, Grunfeld S, Welch KMA. Platelet as a model to test autonomic function in migraine. Functional Neurology 1989; 4:79-83 (PAPER).

D'Andrea G, Welch KMA, Grunfeld S, **Joseph R**, Nagel-Leiby S. Platelet norepinephrine and serotonin balance in migraine. Headache 1989; 29:657-659 (PAPER).

Littlewood J, Prasad A, Gibb C, Glover V, Sandler M, **Joseph R**, Rose FC. Psychiatric morbidity, platelet monoamine oxidase and tribulin output in headache. Psychiatry Research 1989; 30:95-102 (PAPER).

Joseph R, Steiner TJ, Schultz LUC, Rose FC. Platelet activity and selective beta-blockade in migraine prophylaxis. Stroke 1988; 19:704-709 (PAPER).

Steiner TJ, **Joseph R**, Hedman C, Rose FC. Metoprolol in the prophylaxis of migraine: parallel-groups comparison with placebo and dose-ranging follow-up. Headache 1988; 28:15-23 (PAPER).

D'Andrea G, Cananzi AR, Griogoleto F, Meneghini F, Cortesi S, Soffiati G, **Joseph R**, Nordera G, Ferro-Milone F. The effect of dopamine receptor agonists on prolactin secretion in childhood migraine. Headache 1988; 28:354-359 (PAPER).

D'Andrea G, **Joseph R**, Cananzi A, Toldo M, Ferro-Milone F, Grunfeld S, Welch KMA. Platelet alpha granule secretion in cerebral ischemia: effect of short and long term low dose aspirin treatment. Functional Neurology 1988; 3:179-185 (PAPER).

Joseph R, Welch KMA, Grunfeld S, Oster SB, D'Andrea G. Cytosolic ionized calcium in platelets: an abnormal sensitivity to PAF-activation in migraine. Headache 1988; 28:396-402 (PAPER). HAROLD G WOLFF, MD LECTURE AWARD 1988.

Joseph R, Welch KMA, Grunfeld S, Oster SB, D'Andrea G. Baseline and activated platelet cytoplasmic ionized calcium in acute ischemic stroke: effect of aspirin. Stroke 1988; 19:1234-1238 (PAPER).

Joseph R, Welch KMA, D'Andrea G, Levine SR. Sensitivity to PAF is increased in migraine patients. Thrombosis and Haemostasis 1987; 57:125 (LETTER).

Joseph R, Welch KMA, D'Andrea G, Levine SR. Epinephrine does not induce platelet aggregation in citrated blood. Thrombosis Research 1987; 45:871-872 (LETTER).

D'Andrea G, Welch KMA, Grunfeld S, **Joseph R**, Nagel-Leiby S. Serotonin (5-HT) and 5-hydroxyindoleacetic acid (5-HIAA) platelet content in normal subjects. Thrombosis Research 1987; 48:261-264 (LETTER).

Joseph R, Welch KMA. The platelet and migraine: A nonspecific association. Headache 1987; 27:375-380 (PAPER).

Levine SR, Welch KMA, Ewing JR, **Joseph R**, D'Andrea G. Cerebral blood flow asymmetries in headache-free migraineurs. Stroke 1987; 18:1164-1165 (PAPER).

Levine SR, **Joseph R**, D'Andrea G, Welch KMA. Migraine and the lupus anticoagulant. Cephalalgia. 1987; 7:93-99 (PAPER),

Joseph R. Limbic involvement may occur in cluster headache. Archives of Neurology 1986;43:866 (LETTER).

Joseph R, Welch KMA, D'Andrea G, Levine SR. ATP hyposecretion from platelet dense bodies - evidence for the purinergic hypothesis and a marker of migraine. Headache 1986; 26:403-410 (PAPER). HAROLD G WOLFF, MD LECTURE AWARD 1986.

D'Andrea G, Welch KMA, Czamecki B, **Joseph R**, Levine SR. Tyrosine hydroxylase activity in blood platelets, plasma and leukocytes. Thrombosis Research 1986; 44:713-714 (LETTER).

Perkin GD, **Joseph R** Neurological manifestations of the hyperventilation syndrome. Journal of the Royal Society of Medicine 1986; 79:448-450 (PAPER).

Joseph R, Cook GE, Steiner TJ, Rose FC. Intracranial space-occupying lesions in patients attending a migraine clinic. Practitioner 1985; 229:477-481 (PAPER). t

Joseph R, Pullicino P, Goldberg CDS, Rose FC. Bilateral pontine gaze palsy: nuclear magnetic resonance findings in presumed multiple sclerosis. Archives of Neurology 1985; 42:93-94 (PAPER).

Joseph R, Steiner TJ, Poole CMJ, Littlewood J, Rose FC. Thromboxane synthetase inhibition: potential therapy in migraine. Headache 1985; 25:204-207 (PAPER).

Joseph R, Rose FC. Cluster headache and herpes simplex: an association? British Medical Journal 1985; 290:1625-1626 (PAPER).

Steiner TJ, **Joseph R**, Rose FC. Migraine is not a platelet disorder. Headache 1985; 25:434-440 (PAPER).

Dhital K, Steiner T, **Joseph R**, Rose FC, Adams J, Appenzeller O, Burnstock G. Serotonergic immunofluorescent nerve fibers appear in human temple skin after lithium treatment. Lancet 1985; ii:779 (LETTER).

Rajwanshi A, Islam M, Bhagwat AG, Kamath PS, **Joseph R**. Alcoholic liver disease in north India - a biopsy study. Indian Journal of Pathology and Microbiology 1985; 28:129-135 (PAPER).

deBelleruche J, Cook GE, Das I, **Joseph R**, Tressidar I, Rouse S, Petty R, Rose FC. Erythrocyte choline levels in cluster headache. British Medical Journal 1994; 288:268-270 (PAPER).

Joseph R, Kamath PS, Dilawari J. Recent concepts in the understanding of dietary fibre. Post Graduate Institute Journal 1984.

II:BOOK CHAPTERS/EDITORIALS & NON-PEER REVIEWED PUBLICATIONS

Joseph R. Serotonin and analgesic-related headache. Cephalalgia, 1996 (EDITORIAL).

Joseph R. In vitro effect of sumatriptan. Cephalalgia, 1996 (EDITORIAL).

Joseph R. Serotonin, sumatriptan and mononuclear cells. Cephalalgia 1994; 14:3 (EDITORIAL).

deBelleruche J, **Joseph R**, D'Andrea G. Platelets and migraine. In: The Headaches, Olesen J, Tfelt-Hansen P, Welch KMA, eds. Raven Press, New York, 1991; pp185-199 (CHAPTER).

Joseph R. Platelet activity and headache. Cephalalgia 1993; 13:308 (EDITORIAL).

Joseph R. Cluster headache and sympathetic function. Cephalalgia 1993; 13:308 (EDITORIAL).

Welch KMA, D'Andrea G, **Joseph R**, Riddle J. The platelet and migraine. In: Pathophysiological Mechanisms of Migraine, Olesen J, Schmidt RF, eds. VCH Publishers Inc, New York, 1993; pp313-321 (CHAPTER).

Joseph R. Vasoactive peptides. Cephalalgia 1992; 12:3 (EDITORIAL).

Joseph R. Endothelin. Cephalalgia 1992; 12:340 (EDITORIAL).

Joseph R, Welch KMA, D'Andrea G. Aequorin-indicated cytosolic ionized calcium in platelets: comparison between stroke and migraine. In: New Advances in Headache Research, Rose, FC ed. Smith-Gordon London, 1989; pp151-156 (CHAPTER).

D'Andrea G, Welch KMA, Cananzi AR, **Joseph R**, Morra M, Grnnfeld S, Zamberlan F, Ferro-Milone F. Reduced norepinephrine and epinephrine turnover in cluster headache: biochemical evidence for sympathetic hypofunction. In: New Advances in Headache Research, Rose, FC ed. Smith-Gordon, London 1989; pp199-202 (CHAPTER).

Joseph R, Welch KMA. Granulocytes, platelet-activating factor and myocardial injury. Circulation 1989; 79:1401 (LETTER).

Joseph R, Welch KMA. Granulocytes, platelet-activating factor and Stroke 1989;20:1116 (LETTER).

D'Andrea G, **Joseph R**, Welch KMA. Serotonergic hypofunction in migraine: evidence based on study of platelet dense body function. Proceedings of the 4th International Headache Congress, Sydney, Australia, October 1989. Cephalalgia 1989; 9 (Supplement 10):103 (PAPER),

D'Andrea G, Cananzi AR, **Joseph R**, Morra M, Ferro-Milone F, Zamberlan F, Fornasiero S, Bortolon F, Grunfeld S, Welch KMA. Platelet excitatory amino acids in migraine. Proceedings of the 4th International Headache Congress, Sydney, Australia, October 1989. Cephalalgia 1989; 9 (Supplement 10):105-106 (PAPER).

Levine SR, Welch KMA, D'Andrea G, Helpert JA, Bruce R, **Joseph R**, Smith MB. 31P-NMR spectroscopy during the migraine attack. Proceedings of 3rd International Headache Congress Florence, September, 1987. Cephalalgia 1987; (Supplement 6):26-27 (PAPER).

D'Andrea G, Welch KMA, Grunfeld S, Levine SR, Nagel-Leiby S, **Joseph R**. Reduced platelet turnover of serotonin in diet controlled migraine patients. Proceedings of 3rd International Headache Congress Florence, September 1987. Cephalalgia 1987; 7(Supplement 6):141-145 (PAPER).

Levine SR, Welch KMA, Ewing JR, **Joseph R**. Cerebral blood flow asymmetries in migraine. Advances in Headache Research. Rose, FC ed. John Libbey, London, 1987; pp 71-76 (CHAPTER).

D'Andrea G, Riddle J, Welch KMA, **Joseph R**, Grunfeld S, Nagel-Leiby S, Levine SR. Abnormal organeller compartment in platelets of migraine sufferers. Proceedings of 3rd International Headache Congress, Florence, September 1987. Cephalalgia 1987; 7 (Supplement 6):261-262 (PAPER).

Steiner TJ, Rose FC, **Joseph R**. Migraine is not a platelet disorder. Headache 1987; 27:400 (LETTER).

D'Andrea G, Ferro-Milone F, Welch KMA, Toldo M, **Joseph R**, Crivellaro C, Morra M, Cananzi AR. Platelet tyrosine levels in classic migraine sufferers. Proceedings of the 3rd International Headache Congress, Florence, September 1987. Cephalalgia 1987; 7 (Supplement 6):244-245 (PAPER).

Joseph R, Steiner TJ, Das I, Rose FC. Beta-blockers used in migraine prophylaxis elevate plasma thromboxane levels. Proceedings of the 2nd International Headache Congress, Copenhagen, June 1985. Cephalalgia 1985; 5 (Supplement 3):416-417 (PAPER).

Steiner TJ, Cook GE, **Joseph R**, Rose FC. Double-blind dose-ranging comparison of metoprolol with placebo in the prophylaxis of classical and common migraine. Proceedings of the 2nd International Headache Congress, Copenhagen, June 1985. Cephalalgia 1985; 5 (Supplement 3):558-559 (PAPER).

Joseph R. Cluster headache and herpes simplex: an association? British Medical Journal 1985; 291:826 (LETTER).

Joseph R, Dhital K, Adams J, Burnstock G, Appenzeller O, Rose FC. Cluster headache: a new approach using fluorescent histochemistry of nerves in temple skin. In: Migraine: Clinical and Research Advances, Rose, FC ed. Karger, Basel, 1985; pp162-165 (CHAPTER).

Joseph R, Steiner TJ, Schultz LUC, Rose FC. Does the mode of action of beta-receptor blockers in migraine involve alteration of platelet function? In: Migraine: Clinical and Research Advances, Rose, FC, ed Karger, Basel, 1985; pp 115 –120 (CHAPTER)

deBelleruche J, Cook GE, **Joseph R**, Das I, Tresidder I, Petty R, Rose FC. Erythrocyte choline levels in cluster headache. In: Update in Headache, Pfaffenrath V, Lundberg,, P-O & Sjaastad, O, eds. Springer-Verlag Heidelberg. 1985; 281-282 (CHAPTER).

Joseph R. Definition of migraine headache. Lancet 1984; I:742 (LETTER)

Steiner TJ, **Joseph R.** Practical experience of beta blockade in migraine: a personal view. Postgraduate Medical Journal 1984; 60 (Supplement 2):56-60 (PAPER).

deBellerocche J, Cook GE, Das I, **Joseph R.**, Tresiddar I, Petty R, Rose FC. Choline levels in cluster headache. In: Cefalea: Attuali Orientamenti Eziopatogenetici e Clinicoterapeutici, Corsini, GU & Fanciullacci. M eds. Fidia Research Biomedical Information 1984; pp65-67 (CHAPTER)

Cook GE, **Joseph R.** Food allergy and migraine. Lancet 1983; ii:1256-1257 (LETTER).

III: ABSTRACTS

Joseph R., Dou D. *Neuronatin-beta* mRNA expression in the adult human caudate and putamen. Proceedings of the 49th American Academy of Neurology, Boston, MA, April 12-19, 1997. Neurology 1997; 48:A402.

Levine SR, Tanne D, Han E, Mitchell M, **Joseph R.** Platelet function in anticardiolipin antibody associated ischemic stroke. Proceedings of the 49th American Academy of Neurology, Boston, MA, April 12-19, 1997. Neurology 1997; 47:A403-404.

Joseph R., Tsang W, Dou D, Nelson K, Edvardson K. *Neuronatin-a* in PC12 cells: Downregulation by nerve growth factor. Proceedings of the 26th Society for Neuroscience, Washington DC. November 1996. Society for Neuroscience Abstracts 1996; 22:520.

Dou D, **Joseph R.** *Neuronatin-beta* in the adult human brain: selective and abundant expression in the caudate and putamen. Proceedings of the 26th Society for Neuroscience, Washington DC. November 1996. Society for Neuroscience Abstracts 1996; 22:229.

Joseph R., Dou D. *Neuronatin* is a novel "proteolipid" involved in human neurogenesis. Proceedings of the 48th American Academy of Neurology, San Francisco, CA, March 23-30 1996. Neurology 1996; 46:AI48.

Dou D, **Joseph R.** Human *neuronatin* gene maps to chromosome 20q11.2-12. Proceedings of the 48th American Academy of Neurology, San Francisco, CA, March 23-30 1996 Neurology 1996; 46:A148.

Dou D, **Joseph R.** Human *neuronatin* gene and brain development. Proceedings of the *Nature* Conference, Patterns of Life: The Nature of Biological Development, Boston, MA. November 9-10, 1995.

Joseph R., Dou D, Tsang W. Spliced forms of *neuronatin* mRNA in brain development. Proceedings of the 25th Society for Neuroscience, San Diego, CA. November 1995. Society for Neuroscience Abstracts 1995; 21:284.

Dou D, **Joseph R.** Structure and expression of a novel human brain developmental gene. Proceedings of the 25th Society for Neuroscience, San Diego, CA. November 1995. Society for Neuroscience Abstracts 1995; 21:284.

Joseph R. Developmental genes link neuroembryogenesis and carcinogenesis. Proceedings of the 120th American Neurological Association, Washington, DC. October 1995. Annals of Neurology 1995; 38:309.

Joseph R., Dou D, Tsang W. *Neuronatin* is a novel mammalian gene involved in neurogenesis. Proceedings of the 47th American Academy of Neurology, Seattle, WA. May 1995. Neurology 1995; 45(Suppl4):A355.

Dou D, **Joseph R**. Molecular cloning of human *neuronatin*. Proceedings of the 47th American Academy of Neurology, Seattle, WA. May 1995. Neurology 1995; 45 (Suppl 4):A355.

Joseph R, Dou D, Tsang W. Molecular cloning of a novel mammalian brain developmental gene. Proceedings of the Human Genome 1994: Genes and Beyond. Washington D.C. October 2-5, 1994 #43, p24.

Dou D, **Joseph R**. Human Homolog of a novel mammalian brain developmental gene. Proceeding of the Human Genome 1994: Genes and Beyond, Washington D.C. October 2-5, 1994 #24, p20.

Joseph R, Dou D, Tsang W. *Neuronatin* is a novel brain specific developmental gene. Society for Neuroscience, Miami, FL. November 1994. Proceedings of the 24th Society for Neuroscience Abstracts 1994; 20: 882.

Joseph R, Tsang W. Molecular cloning of differentially expressed genes in brain aging. Proceedings of the 119th American Neurological Association, San Francisco, CA. October 1994. Annals of Neurology 1994; 36:311.

Joseph R, Dou D, Tsang W. Molecular cloning of *neuronatin*: Alternatively spliced forms of a novel brain-specific mammalian developmental gene. In: Advances in Gene Technology: Molecular Biology and Human Genetic Disease. Miami Bio/Technology Short Reports 1994; 5:22 (SHORT REPORT).

Joseph R, Tsang W, Han E. Aurintricarboxylic acid decreases β APP mRNA stability. In: Advances in Gene Technology: Molecular Biology and Human Disease. Miami Bio/Technology Short Reports 1994; 4:15 (SHORT REPORT)

Joseph R, Li W. β -amyloid has a nonspecific effect on DNA-fragmentation (apoptosis). Proceedings of the 46th American Academy of Neurology, Washington, DC. May 1994. Neurology 1994; 44:A391.

Garcia JH, **Joseph R**, Herpolsheimer BC, Liu K-F, Ho K-L. Neuronal Ischemic injury to the brain after focal ischemia: apoptosis or necrosis? 19th International Joint Conference on Stroke and Cerebral Circulation, San Diego, CA. February 1994. Stroke 1994; 25:260.

Joseph R, Tsang W, Han E. Platelet activating factor and β -amyloid precursor protein gene expression. Proceedings of the 45th American Academy of Neurology. New York, NY. April 1993. Neurology 1993; 43 (Suppl.2):A228.

Joseph R, Tsang W, Han E. Aurintricarboxylic acid regulates neuronal β -amyloid precursor protein. Proceedings of 23rd Society for Neuroscience, Washington, DC. November 1993. Society for Neuroscience Abstracts 1993; 19:634.

Joseph R, Tsering C, Welch KMA. Platelet mediated neurotoxicity. Proceeding of the 44th American Academy of Neurology, San Diego, CA. May 1992. Neurology 1992; 42 (Suppl .3):166-167.

Joseph R, Li W, Han E. An increase in neuronal cytoplasmic calcium results in internucleosomal DNA fragmentation. Proceedings of the 22nd Society for Neuroscience, Anaheim, CA. October 1992 Society for Neuroscience Abstracts 1992; I8:574.

Joseph R, Saroff DM, Delfs JR. Platelets and their products have a damaging effect on neurons. Proceedings of the 43rd American Academy of Neurology, Boston, MA. April 1991. Neurology 1991; 41 (Suppl 1):163.

Joseph R, Saroff DM, Delfs JR. Platelet secretory products have a damaging effect on neurons. Proceedings of the American Association for the Advancement of Science, Washington DC. February 1991 #330.

Joseph R, Tsering C, Grunfeld S, Welch KMA Serotonin may mediate platelet neurotoxicity. Proceedings of the 21st Society for Neuroscience, New Orleans, LA. November 1991. Society for Neuroscience Abstracts 1991; 17:1093.

D 'Andrea G, Cananzi AR, **Joseph R**, Morra M, Ferro-Milone F, Zamberlan F, Welch KMA. Study of platelet glycine and excitatory amino acids in primary headache. Proceedings of the 8th International Migraine Symposium, London, September 1990, pp47.

Joseph R, Han E, Grunfeld S, Welch KMA. Platelet secretion and cyclo-oxygenase independent mechanisms in acute ischemic stroke. Proceedings of the 41st American Academy of Neurology, Chicago, April 1989. Neurology 1989; 39:101.

Joseph R, Han E, Grunfeld S, Welch KMA. Prior aspirin use may reduce stroke severity. Proceedings of the 114th American Neurological Association, New Orleans, September 1989, Annals of Neurology 1989; 26:131.

Joseph R, Han E, Robertson W, Grunfeld S, Welch KMA. Effect of ticlopidine and aspirin on platelet cytoplasmic ionized calcium in ischemic stroke. Proceedings of the 114th American Neurological Association, New Orleans, September 1989. Annals of Neurology 1989; 26:160.

Joseph R, Welch KMA, Grunfeld S, D'Andrea G. Serotonergic hypofunction in migraine: evidence based on study of platelet dense body function. Proceedings of the 114th American Neurological Association, New Orleans, September 1989. Annals of Neurology 1989; 26:162.

Joseph R, Han E, Grunfeld S, Welch KMA. Platelet secretion in acute ischemic stroke. Proceedings of the 14th World Congress of Neurology, New Delhi, India, October 1989.

Joseph R, Welch KMA, Oster SB. Platelet cytoplasmic ionized Ca⁺⁺ is increased in acute ischemic stroke. Proceedings of the 13th International Conference on Stroke and Cerebral Circulation, San Diego, February 1988. Stroke 1988; 19:141.

Joseph R, Welch KMA, D'Andrea G. Erythrocyte secretion and ultrastructure in acute stroke. Proceedings of the 40th American Academy of Neurology, Cincinnati, March 1988. Neurology 1988; 38 (Supplement 1):397.

Joseph R, Welch KMA, Oster SB, Grunfeld S. The pathogenesis of platelet activation in acute stroke. Proceedings of the 40th American Academy of Neurology, Cincinnati, March 1988. Neurology 1988; 38 (Supplement 1):148.

Joseph R, Welch KMA, Grunfeld S, Oster SB. Platelet cytosolic ionized Ca²⁺ in acute stroke. Proceedings of the 40th American Academy of Neurology, Cincinnati. March 1988. Neurology 1988; 38(Supplement 1):368.

Joseph R, Welch KMA, Oster SB, Grunfeld S, D'Andrea G. Aequorin-indicated cytosolic ionized calcium homeostasis in migraine, stroke and controls: effect of thrombin, collagen and PAF. Proceedings of the 7th International Migraine Symposium London, September 1988; pp25-26.

Joseph R, Riddle JM, Oster SB, Welch KMA. Quantitation of platelet organelles in acute stroke. Proceedings of the 113th American Neurological Association, Philadelphia, October 1988. Annals of Neurology 1988; 24:156.

D'Andrea G, Welch KMA, Cananzi AR, **Joseph R**, Morra M, Grunfeld S, Zamberlan F, Ferro-Milone F. Reduced norepinephrine and epinephrine turnover in cluster headache: evidence for sympathetic hypofunction in migraine sufferers. Proceedings of the 7th International Migraine Symposium, London, September 1988 pp54.

Cananzi AR, Welch KMA, Ferro-Milone F, **Joseph R**, Morra M, Grunfeld S, Zamberlan F, D'Andrea G. Platelet tyrosine levels in cluster headache sufferers. Proceedings of the 7th International Migraine Symposium, London, September 1988.

Joseph R, Welch KMA, Grunfeld S, Oster SB, D'Andrea G. Cytosolic ionized calcium homeostasis in platelets: an abnormal sensitivity to PAF-activation in migraine. Stroke 1988, 19:1586-1587.

Joseph R, Oster SB, Levine SR, D'Andrea G, Welch KMA. Controlled comparison of antithrombotic agents on whole blood platelet function in acute ischemic stroke. Proceedings of the 39th American Academy of Neurology, New York, April 1987. Neurology 1987; 37 (supplement 1):131.

Levine SR, Welch KMA, Ewing JR, **Joseph R**. Cerebral blood flow asymmetries in headache-free migraineurs. Proceedings of the 39th American Academy of Neurology, New York April 1987. Neurology 1987; 37 (Supplement 1):237.

Levine SR, **Joseph R**, D'Andrea G, Welch KMA. Migraine and the lupus anticoagulant. Proceedings of the 39th American Academy of Neurology, New York, April 1987. Neurology 1987; 37 (Supplement 1):264.

Joseph R, Welch KMA, D'Andrea G, Oster SB, Levine SR. PAF-induced Platelet aggregation is unaltered by cyclo-oxygenase inhibition in acute human cerebral ischemia. Proceedings of the 112th American Neurological Association, San Francisco, October 1987. Annals of Neurology 1987; 22:136.

Levine SR, Welch KMA, Ewing JR, **Joseph R**. Migraineurs have regional cerebral blood flow "asymmetries" while headache free. Proceedings of the XIII International Symposium on Cerebral Blood Flow and Metabolism, Montreal, June 1987.

Joseph R, Steiner TJ, Sitsapaesan M, Das I, Hadar U, Rose FC. Platelet release reaction in migraine may be beneficial. Proceedings of the 38th American Academy of Neurology. New Orleans, April 1986. Neurology 1986; 36 (Supplement 1):100.

Joseph R, Rose FC. Cold sores and cluster headache. Headache 1986; 26:207.

Levine SR, Welch KMA, Ewing JR, **Joseph R**. Cerebral blood flow asymmetries in migraine. Proceedings of the 6th International Migraine Symposium London, October 1986:13-14.

Levine SR, **Joseph R**, D'Andrea G, Welch KMA. Migraine and the lupus anticoagulant. Proceedings of the 6th International Migraine Symposium London, October 1986.

Littlewood J, Gibb C, Glover V, Sandler M, **Joseph R**, Davies P, Rose FC. Red wine as a migraine trigger. Proceedings of the 6th International Migraine Symposium London, October 1986; 31-32.

Joseph R, Welch KMA, D'Andrea G, Czarnecki B, Levine SR. Association of platelet-activating factor with migraine. Proceedings of the 38th American Academy of Neurology, New Orleans. April 1986. Neurology 1986; 36 (Supplement 1):181.

Joseph R, Levine SR, D'Andrea G, Czarnecki B, Welch KMA. Whole blood platelet aggregation and release reaction in migraineurs and controls. Proceedings of the 38th American Academy of Neurology, New Orleans, April 1986. Neurology 1986; 36 (Supplement 1)100.

Joseph R, Steiner TJ, Schultz LUC, Rose FC. Modulation of platelet function by beta-blockers in migraine. Proceedings of the 37th American Academy of Neurology, Dallas, April 1985. Neurology 1985; 35 (Supplement 1):270.

Joseph R, Steiner TJ, Schultz LUC, Sitapaesan M, Rose FC. Effect of propranolol prophylaxis on the platelet changes of acute migraine. Proceedings of the 13th World Congress of Neurology, Hamburg, September 1985. Journal of Neurology 1985; 232:162

Peatfield R, Glover V, Sandler M, Littlewood J, Gibb C, **Joseph R**, Rose FC. Precipitation of migraine by red wine. Proceedings of the 13th World Congress of Neurology, Hamburg, September 1985. Journal of Neurology 1985; 232:162.

Joseph R, Steiner TJ, Rose FC. Does the mode of action of beta-adrenergic blockers in the prophylaxis of migraine involve alteration of platelet function? Proceedings of the 5th International Migraine Symposium, London, September 1984; 16-17.

Joseph R, Dhital KK, Adams J, Rose FC, Burnstock G, Appenzeller O. Fluorescent histochemical studies in skin in cluster headache. Proceedings of the 5th International Migraine Symposium, London, September 1984; 24-25.

deBelleruche J, Cook GE, Das I, **Joseph R**, Rose FC. Erythrocyte choline levels in cluster headache. Proceedings of the Association of British Neurologists and the Polish Neurological Association, London, September 1984. Journal of Neurology, Neurosurgery and Psychiatry 1984; 47:1052.

Joseph R, Steiner TJ, Littlewood J, Poole CJM, Rose FC. Dazoxiben: a thromboxane synthetase inhibitor as a prophylactic in migraine. Proceedings of the 1st International Headache Congress, Munich, 1983; 62-63.

deBelleruche J, Cook GE, **Joseph R**, Das I, Tressidarr I, Rouse S, Petty R, Rose FC. Choline levels in cluster headache. Proceedings of the 1st International Headache Congress, Munich, 1983; 67

deBelleruche I, Cook GE, **Joseph R**, Das I, Tressidar I, Rouse S, Petty R, Rose FC. Choline levels in cluster headache. Proceedings of the Congresso Nazionale della Societa Italiana per lo Studio della Cefalex Capo, Boi, 1983; 65-67.

IV: PRESENTATIONS AT MEETINGS

World Federation of Neurology, Neurogenetics Study Group, Boston 1997.

American Academy of Neurology, Boston 1997.

American Academy of Neurology, San Francisco 1996.

Nature Conference: The Nature of Biological Development, Boston 1995.

Society for Neuroscience, San Diego 1995.

American Neurological Association, Washington DC 1995.

American Academy of Neurology, Seattle 1995.

Society for Neuroscience, Miami 1994.

Gordon Research Conference, Boston 1994.

Human Genome 1994: Genes and Beyond, Washington DC 1994.

Princeton Conference on Cerebrovascular Diseases, Boston 1994.

American Neurological Association, San Francisco 1994.

Miami/Bio Technology European Conference, Monaco 1994.

Nature Conference: Cell Cycle and Cell Death, Boston 1994.

Miamil/Bio Technology Conference, Fort Lauderdale 1994.

American Academy of Neurology, Washington DC 1994.

International Joint Conference on Stroke and Cerebral Circulation, San Diego 1994.
American Academy of Neurology, New York 1993.
Society for Neuroscience, Washington DC 1993.
American Academy of Neurology, San Diego 1992.
Princeton Conference of Cerebrovascular Diseases, Detroit 1992.
Society for Neuroscience, Anaheim 1992.
American Academy of Neurology, Boston 1991.
American Association for the Advancement of Science, Washington DC 1991.
Society for Neuroscience, New Orleans 1991.
International Migraine Symposium, London 1990.
American Society for Hematology, Atlanta 1989.
International Headache Congress, Sydney 1989.
American Academy of Neurology, Chicago 1989.
American Neurological Association, New Orleans 1989.
World Congress of Neurology, New Delhi 1989.
American Academy of Neurology, Cincinnati 1988.
American Neurological Association, Philadelphia 1988.
American Association for the Study of Headache, San Francisco 1988.
International Migraine Symposium, London 1988.
International Joint Conference on Stroke and Cerebral Circulation, San Diego 1988.
American Academy of Neurology, New York 1987.
International Headache Congress, Florence 1987.
American Neurological Association, San Francisco 1987
International Symposium of Cerebral Blood Flow and Metabolism, Montreal 1987.
American Academy of Neurology, New Orleans 1986.
American Association for the Study of Headache, Chicago, 1986
International Migraine Symposium, London 1986.
American Academy of Neurology, Dallas 1985.
International Headache Congress, Copenhagen 1985.
World Congress of Neurology, Hamburg 1985.
International Migraine Symposium, London 1984.
British Neurological Association, London 1984.
International Headache Congress, Munich 1983.

V: INVITED PRESENTATIONS

World Federation of Neurology, Neurogenetics Research Group Meeting,
"*Neuronatin*-beta mRNA expression in the adult human caudate and putamen", April 19, 1997,
Boston, MA.

Henry Ford Hospital Research Seminar,
"The significance of *neuronatin* in human brain development", April 16, 1996, Detroit, MI.

Wayne State University School of Medicine,
"Molecular cloning of a novel human brain developmental gene", June 1, 1995. Detroit, MI.

Henry Ford Hospital, Neuroscience Grand Rounds,
"Molecular mechanisms of mammalian brain growth", December 14, 1994, Detroit, MI.

Michigan Neurological Association
"Molecular cloning of *Neuronatin*: a novel gene involved in mammalian neurogenesis",
October 1, 1994, Detroit, MI.

Henry Ford Hospital, Neuroscience Grand Rounds,
"The regulation of β -amyloid precursor protein gene expression", October 13, 1993, Detroit, MI.

Henry Ford Hospital, Neuroscience Grand Rounds,
"The mechanism of neuronal death", February 26, 1993, Detroit, MI.

Henry Ford Hospital, Neuroscience Grand Rounds,
"Mechanism of platelet mediated neuronal death", January 31, 1992, Detroit, MI.

Henry Ford Hospital, Hemostasis/Thrombosis Center Symposium on Coagulation Issues in
Neurology:
"Platelets and platelet product effects on neuronal culture", November 1, 1991, Detroit, MI.

Italian National Meeting on Stroke and Headache, Cefalee Ed Attacchi Ischemici Cerebrali:
Dati Acquisiti E Problematiche Aperte,
"Neuron-platelet interactions", September 12, 1991, Vicenza, Italy.

Henry Ford Hospital, Neuroscience Grand Rounds,
"Neuron-platelet interaction", October 12, 1990, Detroit, MI.

Beth Israel Hospital & Harvard Medical School
"Neuron-platelet interactions", June 8, 1990, Boston, MA.

Massachusetts General Hospital & Harvard Medical School,
"Evidence for membrane abnormality in migraine band on study of platelets", May 9, 1990,
Boston, MA.

Royal College of Physicians
"MRCP Part-II clinical teaching course, September 1984, London, UK.

World Federation of Neurology, Research Group on Headache and Migraine,
"Cluster headache and herpes simplex", September 22, 1984, London, UK.