1986
Decreased content of docosahexaenoate and arachidonate in plasma phospholipids in usher's syndrome. **Bazan N.G.**, Scott B.L., Reddy T.S., Pelias M.Z. *Biochemical and Biophysical Research Communications*, 15 December 1986, 141(2):600-604.
Diacylglycerols interfere in normal phase HPLC analysis of lipoxygenase products of docosahexaenoic or arachidonic acids. *Prostaglandins*, Claeys M., Bazan H.E.P., Birkle D.L., **Bazan N.G**. December 1986, 32(6):813-827.
Arachidonic acid metabolism to eicosanoids in herpes virus-infected rabbit cornea. Birkle D.L., Sanitato J.J., Kaufman H.E., **Bazan N.G**. *Invest Ophthalmol Vis Sci*. 1986 Oct; 27(10):1443-6. PMID:3093400 [PubMed - indexed for MEDLINE].
The effect of phorbol esters on the chloride secreting epithelium of the rabbit cornea. Crosson C.E., Klyce S.D., Bazan H.E., **Bazan N.G**. *Curr Eye Res.* 1986 Jul; 5(7):535-41. PMID:3743115 [PubMed - indexed for MEDLINE].
Fatty acid composition and arachidonic acid metabolism in vitreous lipids from canine and human eyes. Reddy T.S., Birkle D.L., Packer A.J., Dobard P., **Bazan N.G**. *Curr Eye Res.* 1986 Jun; 5(6):441-7. PMID:3089690 [PubMed - indexed for MEDLINE].
The inositide cycle in bovine photoreceptor membranes. Van Rooijen L.A.A., **Bazan N.G.** *Life Sciences*, 5 May 1986, 38(18):1685-1693.
Enhanced inositide turnover in brain during bicuculline-induced status epilepticus. Van Rooijen L.A.A., Vadnal R., Dobard P., **Bazan N.G.** *Biochemical and Biophysical Research Communications*, 29 April 1986, 136(2):827-834.
Enhanced synthesis of prostaglandins and hydroxyeicosatetraenoic acids in retina from a canine model of Batten's disease. Birkle D.L., Reddy T.S., Armstrong D., **Bazan N.G**. *Neurochem Pathol.* 1986 Apr; 4(2):77-88. PMID:3725219 [PubMed - indexed for MEDLINE].
Reduced labeling of brain phosphatidylinositol, triacylglycerols, and diacylglycerols by [1-14C]arachidonic acid after electroconvulsive shock: potentiation of the effect by adrenergic drugs and comparison with palmitic acid labeling. Pediconi M.F., Rodriguez de Turco E.B., **Bazan N.G**. *Neurochem Res*. 1986 Feb; 11(2):217-30. PMID:3703102 [PubMed - indexed for MEDLINE].
Changes in triacylglycerol, diacylglycerol and free fatty acids after fertilization in developing toad embryos. Alonso T.S., Bonini de Romanelli I.C., **Bazan N.G.** *Biochimica et Biophysica Acta (BBA)* - Lipids and Lipid Metabolism, 28 February 1986, 875(3):465-472.
Cationic amphiphilic drugs perturb the metabolism of inosititides and phosphatidic acid in photoreceptor membranes. Van Rooijen L.A.A., **Bazan N.G.** *Biochemical and Biophysical Research Communications*, 14 January 1986, 134(1):378-385.
Metabolism of arachidonic and docosahexaenoic acids in the retina. **Bazan N.G.**, Reddy T.S., Bazan H. E.P., Birkle D.L. *Progress in Lipid Research*, Volume 25, 1986, Pages 595-606.

Chapter 11 The arachidonic acid cascade and phospholipid and docosahexaenoic acid metabolism in the retina. Birkle D.L., **Bazan N.G.** *Progress in Retinal Research*, 1986, 5:309-335.
The accumulation of free arachidonic acid, diacylglycerols, prostaglandins, and lipoxygenase reaction products in the brain during experimental epilepsy. **Bazan N.G.**, Birkle D.L., Tang W., Reddy T.S. *Adv Neurol.* 1986; 44:879-902. Review. PMID:3010683 [PubMed - indexed for MEDLINE].
Bazan H.E.P., Ridenour B., Birkle D.L., **Bazan N.G.** *Unique metabolic features of docosahexaenoate metabolism related to functional roles in brain and retina.* In: **Phospholipid Research and the Nervous System. Biochemical and Molecular Pharmacology, FIDIA Res Series Vol 4**; Horrocks L., Freysz L., Toffano G. (Eds.), Liviana Press, Padova, pp. 67-78, 1986 (book).
Bazan N.G., Birkle D.L., Reddy T.S., Vadnal R.E. *Diacylglycerols and arachidonic acid in the molecular pathogenesis of brain injury.* In: **Phospholipid Research and the Nervous System. Biochemical and Molecular Pharmacology, FIDIA Res Series Vol 4**; Horrocks L., Freysz L., Toffano G., (Eds.), Liviana Press, Padova, pp. 169-180, 1986 (1996) (book).
Birkle D.L., **Bazan N.G.** *The arachidonic acid cascade and phospholipid and docosahexaenoic acid metabolism in the retina.* In: **Progress in Retinal Research, Vol 5**; Osborne N. and Chader J. (Eds.), Pergamon Press, London pp. 309-322, 1986 (book).
Bazan N.G., Birkle D.L., Tang W., Reddy T.S. *The accumulation of free arachidonic acid and the formation of prostaglandins and lipoxygenase reaction products in the brain during experimental epilepsy. Basic Mechanisms of the Epilepsies.* In: **Molecular Cellular Approaches. Advances in Neurology, Vol 47**; Delgado-Escueta A.V., Ward A.A., Woodbury D.M., (Eds.), Raven Press, New York, pp. 209-217, 1986 (book).
1985
Dexamethasone effect on free fatty acid and diacylglycerol accumulation during experimentally induced vasogenic brain edema. Politi L.E., Rodriguez de Turco E.B., **Bazan N.G**. *Neurochem Pathol.* 1985 Winter;3(4):249-69. PMID:3831846 [PubMed - indexed for MEDLINE].
Endogenous fatty acids are covalently and noncovalently bound to interphotoreceptor retinoid-binding protein in the monkey retina. **Bazan N.G.**, Reddy T.S., Redmond T.M., Wiggert B., Chader G.J. *J Biol Chem.* 1985 Nov 5; 260(25):13677-80. PMID:3932343 [PubMed - indexed for MEDLINE].
Change in content, incorporation and lipoxygenation of docosahexaenoic acid in retina and retinal pigment epithelium in canine ceroid lipofuscinosis. Reddy T.S., Birkle D.L., Armstrong D., **Bazan N.G.** *Neuroscience Letters*, 16 August 1985, 59(1):67-72.
Decreased utilization of [2-3H]glycerol in phospholipid and neutral glyceride biosynthesis in the retina of streptozotocin-diabetic rats. Bazan H.E., Careaga M.M., **Bazan N.G**. *Neurochem Pathol.* 1985 Summer; 3(2):109-18. PMID:4047504 [PubMed - indexed for MEDLINE].
Arachidonic acid and other long-chain fatty acids in canine ceroid lipofuscinosis. Distribution in glycerolipids, metabolism, and pathophysiological correlations. Reddy T.S., Armstrong D., **Bazan N.G**. *Neurochem Pathol.* 1985 Summer; 3(2):83-97. PMID:4047506 [PubMed - indexed for MEDLINE].

Synthesis of docosahexaenoyl-, arachidonoyl- and palmitoyl-coenzyme a in ocular tissues. Reddy T.S., **Bazan N.G.** *Experimental Eye Research*, July 1985, 41(1):87-95.
Cryogenic lesion alters the metabolism of arachidonic acid in rabbit cornea layers. Bazan H.E., Birkle D.L., Beuerman R., **Bazan N.G**. *Invest Ophthalmol Vis Sci.* 1985 Apr; 26(4):474-80. PMID:3920168 [PubMed - indexed for MEDLINE].
Cationic amphiphilic drugs inhibit the synthesis of long-chain fatty acyl coenzyme A in rat brain microsomes Reddy T.S., **Bazan N.G.** *FEBS Letters*, 11 March 1985, 182(1):111-114.
Long-chain acyl CoA synthetase in microsomes from rat brain gray matter and white matter. Reddy T.S., **Bazan N.G**. *Neurochem Res.* 1985 Mar; 10(3):377-86. PMID:4000393 [PubMed - indexed for MEDLINE].
Inflammation-induced stimulation of the synthesis of prostaglandins and lipoxygenase-reaction products in rabbit cornea. Bazan H.E., Birkle D.L., Beuerman R.W., **Bazan N.G**. *Curr Eye Res.* 1985 Mar; 4(3):175-9. PMID:3926383 [PubMed - indexed for MEDLINE].
Inhibition of phosphatidylinositol-4-phosphate kinase by its product phosphatidylinositol-4,5-bisphosphate. Van Rooijen L.A., Rossowska M., **Bazan N.G**. *Biochem Biophys Res Commun.* 1985 Jan 16; 126(1):150-5. PMID:2982368 [PubMed - indexed for MEDLINE].
Depolarization or convulsions increase the formation of HETE and prostaglandins in the central nervous system. **Bazan N.G.**, Birkle D.L. *Adv Prostaglandin Thromboxane Leukot Res.* 1985; 15:569-71. No abstract available. PMID:2936170 [PubMed - indexed for MEDLINE].
Synthesis of arachidonoyl coenzyme A and docosahexaenoyl coenzyme A in synaptic plasma membranes of cerebrum and microsomes of cerebrum, cerebellum, and brain stem of rat brain. Reddy T.S., **Bazan N.G**. *J Neurosci Res.* 1985; 13(3):381-90. PMID:3989882 [PubMed - indexed for MEDLINE].
Bazan H.E.P., **Bazan N.G.** *Metabolism of docosahexaenoyl groups in phosphatidic acid and in other phospholipids of the retina.* In: **Phospholipids in the Nervous System, Vol 2, Physiological Roles**; Horrocks L., Kanfer J., Porcellatti G., (Eds.) Raven Press, New York, pp. 209-217, 1985 (book).
Birkle D.L., **Bazan N.G.** *Metabolism of arachidonic acid in the central nervous system. The enzymatic cyclooxygenation and lipoxygenation of arachidonic acid in the mammalian retina.* In: **Phospholipids in the Nervous System, Vol 2, Physiological Roles**; Horrocks L., Kanfer J., Porcellatti G., (Eds.), Raven Press, New York, pp. 193-208, 1985 (book).
Bazan N.G., Birkle D.L. *Depolarization or convulsions increase the formation of HETE and PG in the central nervous system.* In: **Advances in Prostaglandin, Thromboxane and Leukotriene Research, Vol 13**; Hayaishi O., Yamamoto S ., (Eds.), Raven Press, New York, pp. 569-571, 1985 (book).
Bazan N.G., Birkle D.L., Reddy T.S. *Biochemical and nutritional aspects of the metabolism of polyunsaturated fatty acids and phospholipids in experimental models of retinal degeneration.* In: **Retinal Degeneration: Experimental and Clinical Studies**; LaVail M.M., Anderson G., Hollyfield J.,

(Eds.), Alan R. Liss, Inc., New York, pp. 159-187, 1985 (book).
Bazan N.G., Roccamo R.M., Giusto N.M., Ilincheta de Boschero M.G. *Propranolol-induced membrane perturbation and the metabolism of phosphoinositides and arachidonoyl diacylglycerols the retina.* In: **Inositol and Phosphoinositides: Metabolism and Regulation;** Bleasdale J.E., Eichberg J., Hauser G., (Eds.), Humana Press, New Jersey, pp. 67-82, 1985 (book).
Bazan N.G., Reddy T.S. *Retina*. In: **Handbook of Neurochemistry, Vol 8**; Lajtha A., (Ed.), Plenum Press, New York, pp. 507-575, 1985 (book).