

Adrian, TE. Early changes in islet hormone secretion in the hamster pancreatic cancer model. *Teratog Carcinog Mutagen*, 21, 59-67, 2001.

Adrian, TE, et al. Negative regulation of MEK/ERK activity and cell proliferation by P38 MAP kinase in the human pancreatic cancer cell line, PANC-1. *FASEB Journal*, 15, A1163, 2001.

Adrian, TE, et al. Upregulation of uncoupling protein homologues in skeletal muscle but not adipose tissue in posttraumatic insulin resistance. *Biochem. Biophys. Res. Commun.*, 281, 334-340, 2001.

Adrian, TE, et al. Prevention of pancreatic cancer induction in hamsters by metformin *Gastroenterology*, 120, 263-270, 2001.

Adrian, TE. Role of lipoxygenase pathways in the regulation of pancreatic cancer cell proliferation and survival. *Inflammopharmacology*, 9, 157-164, 2001.

Adrian, TE. MEK/ERK-mediated proliferation is negatively regulated by P38 MAP kinase in the human pancreatic cancer cell line, PANC-1. *Biochem. Biophys. Res. Commun.*, 282 447-452, 2001.

Adrian, TE. Mouth to pouch transit after restorative proctocolectomy hydrogen breath analysis correlates with scintigraphy. *Am J Gastroenterol*, 96, 1460-1463, 2001.

Adrian, TE, et al. A white paper: the product of a pancreas cancer think tank. *Cancer Research*, 61, 4923-4932, 2001.

Adrian, TE, et al. The role of eicosanoids in the process of adaptation following massive bowel resection in the rat. *J. Parenter Enteral Nutr*, 25, 275-281, 2001.

Adrian, TE, et al. Transdifferentiation of human islet cells in a long-term culture. *Pancreas*, 23, 157-171, 2001.

Arnelo, U, Herrington, M.K., Theodorsson, E, Adrain, T.E., Reidelberger, R.L., Larsson, J, Marcusson J, Strommer, L, Ding, X., Pernert, J. Effects of long-term infusion of anorexic concentrations of islet amyloid polypeptide on neurotransmitters and neuropeptides in rat brain. *Brain Res.* 2000; 887, 391-398.

Bache, L.A., Smith, D.D., Petzel, D. "Isolation and characterization of insulin from the Brockmann body of *Dissostichus mawsoni*, an Antarctic fish" *J: Pept. Res.* 2000, 56, 47-54.

Bachle, L., J. Eckerson, L. Albertson, J. Goodwin, K. Ebersole and D. Petzel. The effect of fluid replacement on endurance performance. *J. Strength and Conditioning Res.*, 15, 217-224, 2001.

Basir, Y.J., Knoop, R.C., Dulka, J. and Conlon, J.M. Multiple antimicrobial peptides and peptides related to bradykinin and neuromedin N isolated from the skin secretions of the North American pickerel frog, *Rana palustris*. *Biochim. Biophys. Acta* 1543:95-105, 2000.

Beisel, K.W., Nelson, N.C., Delimont, D.C., Fritzsich, B. (2000) Longitudinal Gradients of KCNQ4 Expression in Spiral Ganglion and Cochlear Hair Cells Correlate with Progressive Hearing Loss in DFNA2. *Molec Brain Res.*, 82:137-149.

Bergren, D.R. Chronic tobacco smoke exposure increases airway sensitivity to capsaicin in awake guinea pigs. *J. Appl. Physiol.* 90:695-704, 2001.

Bergren, D.R. Chronic tobacco smoke exposure increases cough to capsaicin in awake guinea pigs. *Respiration Physiology* 126: 127-140, 2001. *Respiration Physiology*, 126, 127-140, 2001.

Bergren, D.R. Chronic tobacco smoke exposure increases airway sensitivity to capsaicin in awake guinea pigs. *J. Appl. Physiol.* 90: 695-704, 2001.

Bergren, D.R. Enhanced lung C-fiber responsiveness in sensitized adult guinea pigs exposed to chronic tobacco smoke. *Journal of Applied Physiology* 91:1645-1654, 2001.

Bermingham N.A., Hassan, B. A., Fernandez, M. Banfi, S., Bellen, H, J, , Fritzsich, B., and Zoghbi, H.Y.. Development of the Proprioceptor Pathway is MATH1-Dependent. *Neuron* 30, 411-422, 2001.

Blevins, J.E., Stanley, B.G. and Reidelberger, R.D. Brain regions where cholecystokinin suppresses feeding in rats. *Brain Res.* 860: 1-10, 2000.

Blevins, J.E., Hamel, F.G., Fairbairn, E., Stanley, B.G. and Reidelberger, R.D. Effects of paraventricular injection of CCK-8 on plasma CCK-8 levels in rats. *Brain Res.*, 860: 11-20, 2000.

Bruce, L.L., Christensen, M.A., and Warr, W.B. (2000) Postnatal development of efferent synapses in the rat cochlea. *J. Comp. Neurol.*, 423: 532-548.

Cai, D.H., Volberg, T.M., Sr., Hahn-Dantona, E., Quigley, J.P. and Brauer, P.R. (2000) MMP-2 expression during early avian cardiac and neural crest morphogenesis. *Anat. Rec.* 259:168-179.

Conlon, J.M., White, A.M. and Platz, J.E. Islet hormones from the African bullfrog *Pyxicephalus adspersus* (Anura:Ranidae): structural characterization and phylogenetic implications. *Gen. Comp. Endocrinol.* 119:85-94, 2000.

Conlon, J.M. Molecular evolution of insulin in non-mammalian vertebrates. *Am. Zool.* 40:200-212, 2000.

Conlon, J.M. and Kim, J.B. A protease inhibitor of the Kunitz family from skin secretions of the tomato frog, *Dyscophus guineti* (Microhylidae). *Biochem. Biophys. Res. Commun.* 279:961-964, 2000.

Conlon, J.M. Singular contributions of fish neuroendocrinology to mammalian regulatory peptide research. *Regul. Peptides* 93:3-12, 2000.

Conlon, J.M., Wang, Y. and Potter, I.C. The structure of *Mordacia mordax* insulin supports the monophyly of the Petromyzontiformes and an ancient divergence of Mordaciidae and Geotriidae. *Comp. Biochem. Physiol. B* 129:65-71, 2001.

Conlon, J.M., Kim, J.B., Matutte, B. and Knoop, F.C. Antimicrobial peptides from frog skin In: Goos, J.G.Th., Rastogi, R.K., Vaudry, H., and Pierantoni, R. (Eds.) *Perspectives in Comparative Endocrinology: Unity and Diversity*. Monduzzi Editore, Bologna, pp. 871-877, 2001.

Conlon, J.M., Mommsen, T.P. and Irwin, D.M. Amphibian glucagon-family peptides: potent metabolic hormones in fish hepatocytes. *Regul. Peptides* 99:111-118, 2001.

Conlon, J.M. Evolution of the insulin molecule: insights into structure-activity and phylogenetic relationships. *Peptides*, 22, 1183-1193, 2001.

Coppola, V., Kucera, J., Palko, M.E., Martinez-De Velasco, J., Lyons, W.E., Fritsch, B. and Tessarollo, L. Dissection of NT-3 functions in vivo by gene replacement strategy. *Development*, 128: 4315-4327, 2001.

Cowan, C.A., N. Yokoyama, L M Bianchi, M Henkemeyer and B. Fritsch (2000) EphB2 guides axons at the midline and is necessary for normal vestibular function *Neuron*, 26 417-430.

C.R. Watts, M. Mezei, R.F. Murphy, S. Lovas . Conformational space comparison of GnRH and IGnRH-III using molecular dynamics, cluster analysis and Monte Carlo thermodynamic integration. *J. Biomol. Struct. Dyn.* 18, 733-748, 2001.

C.R. Watts, G. Toth, R.F. Murphy and S. Lovas. Domain movement in the epidermal growth factor family of peptides. *J. Mol. Struct. (Theochem)* 535, 171-182, 2001.

D.S. Gembitsky, S. Lovas, S. Ahmed, C. Ryder, A. Kopin and R.F. Murphy. Contribution of C-terminal structures of gastrin to receptor recognition. In: *Peptides 2000*, J. Martinez and J.A. Fehrentz, eds., pp. 109-110, Editions EDK, Paris.

D.S. Gembitsky, R.F. Murphy and S. Lovas. Modulation of NK-2 receptor associated G-protein signaling by alternation of the aromatic residue at position six in neurokinin A analogs. In: *Peptides for the New Millenium*, G.B. Fields, J.P. Tam, G. Barany, (eds), Kluwer Academic Publishers Dordrecht/Boston/London, pp 592-593, 2000.

Ding, X.Z., Fensenfeld, D.M., Murphy, L.O., Pernert J, Adrain, T.E. Physiological concentrations of insulin augment pancreatic cancer cell proliferation and glucose utilization by activating MAP kinase, P13 kinase and enhancing GLUT-1 expression. *Pancreas* 21; 310-320, 2000.

Ding, X.Z., Tong, W.G. and Adrian, T.E. Blockade of cyclooxygenase-2 inhibits proliferation and induces apoptosis in human pancreatic cancer cells. *Anticancer Res* 20; 2625-2631, 2000.

Dubin, RL, CM Hall, CL Pileri, PE Kudlacek, JA Yee, RJ Anderson. Thermostable (SULT 1A1) and thermolabile (SULT 1A3) phenol sulfotransferases in human osteosarcoma cells: detection and characterization. *Bone* (in press).

Duethrnan, D., Dewan, N. and Conlon, J.M. Isolation of the opioid peptide Leu-Val-Val-hemorphin-7 from bronchoalveolar lavage fluid of a patient with non--small cell lung cancer. *Peptides* 21:137-142, 2000.

Ebersole, T.J., Conlon, J.M., Goetz, F.W. and Boyd, S.K. Characterization and distribution of neuropeptide Y in the brain of a caecilian amphibian. *Peptides* 2001.

Ebersole, T.J., Conlon, J.M., Goetz, F.W. and Boyd, S.K. Characterization and distribution of neuropeptide Y in the brain of a caecilian amphibian. *Peptides* 22 325-334, 2001.

Faro, C.J., R.D. Reidelberger and J.M. Palmer. Suppression of food intake is linked to enteric inflammation in nematode-infected rats. *American Journal of Physiology Regulatory Integrative Comp. Physiol.* 278: R118-R124, 2000 .

Fritsch, B. (2000) The morphology and function of fish ears. Chapter 15.4; In: G. Ostrander, ed *The Laboratory fish* Academic Press pp 250-259.

Fritsch, B. (2000) The cellular organization of the fish ear. Chapter 27 4; In G. Ostrander, ed *The Laboratory fish*. Academic Press, pp 480-487.

Fritsch, B., Beisel, K.W. and Bermingham, N.A. (2000) Developmental evolutionary biology of the vertebrate ear: conserving mechanoelectric transduction and developmental pathways in diverging morphologies. *Neuroreport*, 11:35-44.

Fritsch, B., Silos-Santiago, I., Farinas, I., Jones, K. (2000) Neurotrophins and neurotrophin receptors involved in supporting afferent inner ear innervation In: I.Mocchetti, ed. *The Neurotrophins*. Salzburger and Graham, 149-163.

Fritsch, B. The cellular organization of the fish ear. Chapter 27.4; In: G. Ostrander, ed. *The Laboratory fish*. *Neuroreport* 480-487, Academic Press, 2001.

Fritsch, B. and Beisel, K.W. Evolution and development of the vertebrate ear. *Brain Res. Bull.*, 55:711-721, 2001.

Gembitsky, D.S.; Lovas, S.; Ahmed, S.; Ryder, C.; Kopin, A.; Murphy, R.F. Contribution of C-Terminal Structures of Gastrin to Receptor Recognition. *Peptides 2000*, J. Martinez and J. Fehrentz (Eds.), Editions EDK, Paris Chapter 109-110, 2001.

Goraya, J., Wang, Y., Li, Z., O'Flaherty, M., Knoop, F.C., Platz, J.E. and Conlon, J.M. Peptides with antimicrobial activity from four different families isolated from the skins of the North American frogs, *Rana luteiventris*, *Rana berlandieri* and *Rana pipiens*. *Eur. J. Biochem.* 267:894-900, 2000.

G. Toth, C. Watts, R.F. Murphy and S. Lovas. Characterization of the conformations of polypeptides containing aromatic (i)-amide (i+1, i+2) interactions. In: *Peptides 2000*, J. Martinez and J.A. Fehrentz, eds., pp. 535-536, Editions EDK, Paris, 2001.

G. Toth, R.F. Murphy and S. Lovas. Prolyl-aromatic and aromatic-prolyl local interactions in polypeptides. In: *Peptides 2000*, J. Martinez and J.A. Fehrentz, eds., pp. 533-534, Editions EDK, Paris, 2001.

G. Toth, C.R. Watts, R.F. Murphy, S. Lovas. Significance of aromatic-backbone amide interactions in protein structure. *Proteins Struct. Funct. Genet.*, 43, 373-381, 2001.

Guynn, S.F., Dowd and D. Petzel. Osmoregulation and gill function in Antarctic fish. *Antarctic J. of the U.S.*, in press, 2001.

R. Hallworth and R.F. Luduena (2000). Distribution of  $\beta$ -Tubulin Isoform Expression in the Adult Gerbil Cochlea. *Hearing Research.*, 148, 161-172.

R. Hallworth, M. McCoy and J. Polan-Curtain (2000). Tubulin Expression in the Developing Gerbil Organ of Corti. *Hearing Research*, 139, 31-41.

R. Hallworth and J.K. Jarboe (2000). Quinine and Its Effects on Outer Hair Cells. *Tinnitus Today*, 25, 9.

Halverson, T., Basir, Y.J., Knoop, F.C., and Conlon, J.M. Purification and characterization of antimicrobial peptides from the skin of the North American green frog *Rana clamitans*. *Peptides* 21 :469-476, 2000.

Hansen, L.A., Sigman, C.C., Andreola, F., Ross, S., Kelloff, G.J. and DeLuca, L. Retinoids in Chemoprevention and Differentiation Therapy. *Carcinogenesis* 21:1271-1279, 2000.

Hansen, L.A., Woodson II, R.L., Holbus, S., Malinda, K. and Yuspa, S.H. The epidermal growth factor receptor is required to maintain the proliferative population in the basal compartment of epidermal tumors, *Cancer Research*, 60:3328-3332, 2000.

Hoagland T.M., Weaver, L., Conlon, J.M., Wang, Y. and Olson, K.R. Effects of endothelin-1 and homologous trout endothelin on cardiovascular function in rainbow trout. *Am. J. Physiol.* 278:R460-R468, 2000.

Jensen, J., Soto, A. and Conlon, J.M. Structure-activity relationships of trout bradykinin ([Arg<sup>0</sup>, Trp<sup>5</sup>, Leu<sup>8</sup>] bradykinin). *Peptides* 21, 1793-1798, 2000.

Jose, A.M., Soukup, G.A., & Breaker, R.R. Cooperative binding of effectors by an allosteric ribozyme. *Nucleic Acids Research*, 29, (7) , 1631-1637, 2001.

Influence on antiproliferative activity of structural modification and conjugation of gonadotropin-releasing hormone (GnRH) analogues. A.Kalnay, I. Palyi, B. Vincze, R. Mihalik, I. Mezo, J. Pato, J. Seprodi, S. Lovas and R.F. Murphy. *Cell. Prolif.*, 33, 275-285, 2000.

Karis, A., Pata, I., van Doorninck, H., Grosveld, F., de Zeeuw, C., de Caprona, D. Fritsch, B. (2001) GATA-3 alters pathway selection of olivo-cochlear neurons and affects morphogenesis of the ear. *J. Comp. Neurol.*, 429: 615-630.

Karnaky, K., D. Petzel, M. Sedmerova, A. Gross and D. Miller. MRP-2-like transport of Texas red by Malpighian tubules of the common American cockroach, *Periplaneta americana.*, *Bull. Mt. Desert Is. Biol. Lab* 39, p 52-53, 2000.

Karis, A. Pata, I., van Doorninck, H., Grosveld, F., de Zeeuw, C. de Caprona, D., Fritsch, B. (2001) GATA-3 alters pathway selection of olivo-cochlear neurons and affects morphogenesis of the ear. *J. Comp. Neurol.*, 429: 615-630, 2001.

Kim, W-Y., Fritsch, B., Serls, A., Bakel, LA, Huang, E.J., Reichardt, L.F., Barth, D.S. and Lee, J.E. (2001) NeuroD-null mice are deaf due to a severe loss of the inner ear sensory neurons during development. *Development*, 128:417-426, 2001.

Kim, J.B., Gadsboll V., Whittaker, J., Barton, B.A. and Conlon, J.M. Gastroenteropancreatic Hormones (Insulin, Glucagon, Somatostatin and Multiple Forms of PYY) from the Pallid Sturgeon, *Scaphirhynchus albus* (Acipenseriformes). *Gen. Comp. Endocrinol.* 120:353-363, 2000.

Kim, J.B., Iwamuro, S., Knoop, F.C. and Conlon, J.M. Antimicrobial peptides from the skin of the Japanese mountain brown frog, *Rana ornativentris*. *J.Peptide Res.* 58:349-356, 2001.

Kim, J.B., Halverson T., Basir, Y.J., Dulka, J., Knoop, F.C. and Conlon, J.M. Purification and characterization of antimicrobial peptides from skin extracts and skin secretions of the North American pig frog *Rana grylio*. *Regul. Peptides* 90:53-60, 2000.

Kim, W-Y, Fritsch, B, Serls, A, Bakel, LA, Huang, E J., Reichardt, L F, Barth, D S . and Lee, J E. (2001) NeuroD-null mice are deaf due to a severe loss of the inner ear sensory neurons during development *Development*, 128:417-426.

Kim, J.B., Johansson A, Holmgren, S., and Conlon, J.M. Gastrin-releasing peptides from the frog, *Xenopus laevis*: purification, characterization, and myotropic activity. *Am. J Physiol.*, 281, R902-R908, 2001.

Kim, J.B., Johansson, A. and Conlon, J.M . Anomalous rates of evolution of pancreatic polypeptide and peptide tyrosine-tyrosine (PYY) in a tetraploid frog, *Xenopus laevis* (Anura:Pipidae). *Peptides*, 22, 317-323, 2001.

Kortvelyesi, T.; Kukovecz, A.; Lovas , S.; Palinko, I. Intramolecular hydrogen bonding in a-phenylcinnamic acids and their heteroatom-containing derivatives studied by ab initio quantum chemical methods. *Journal of Molecular Structure (THEOCHEM)*, 535, 139-149, 2001.

Kragol, G.; Lovas, S.; Varadi, Gy.; Condie, B.A.; Hoffmann, R.; Otvos, Jr., L. The antibacterial peptide pyrrolicin inhibits the ATPase actions of DnaK and prevents chaperone-assisted protein folding. *Biochemistry* , 40, 3016 –3026, 2001.

Lampe, P.D., Qou, Q., Meyer, R. A., TenBroek, E., Walseth, T. F., Starich, T. A., Grunenwald, H. L., Johnson, R. G. (2001) Gap junction assembly: PTX-sensitive G proteins regulate the localization of Connexin43 within cells. *Am J Physiol Cell Physiol* 2001 281: C1211.

L.O. Murphy, M.W. Cluck, S. Lovas, F. Otvos, R.F. Murphy, A.V. Schally, J. Pernert J. Larsson, J.A. Knezetic and T. E. Adrian. Pancreatic cancer cells require an EGF receptor-mediated autocrine pathway for proliferation in serum-free conditions. *Br.J. Cancer*, 84(7), 926-935, 2001.

Lee, L.-Y. and T.E. Pisarri . Afferent properties and reflex functions of bronchopulmonary C-fibers. *Respiration Physiology*, 125, 47-65, 2001.

Leinskold T, Adrian, T.E., Arnelo U, Larsson J, Pernert J. Gastrointestinal growth factors and pancreatic islet hormones during postoperative IGF-I supplementation in man. *J Endocrinol.* 167; 331 -338, 2000.

Liu J, Knezetic, J., Strommer L, Pernert J, Larsson J, Adrian, T.E. The intracellular mechanism of insulin resistance in patients with pancreatic cancer. *J Clin Endocrinol Metab* 85; 1232-1238, 2000.

Liu W, Huang HJ, Fritsch B, Reichardt LF, and Xiang M. Brn-3a Is a Transcriptional Regulator of Soma Size, Target Field Innervation, and Axon Pathfinding of Inner Ear Sensory Neurons. *Development*, 128, 2421-2430, 2001.

Liu, J., Knezetic, J.A., J.A., Strommer, L., Permert, J., Larsson, J., and Adrian, T.E., The intracellular Mechanism of Insulin Resistance in Pancreatic Cancer Patients. *Journal of Clinical Endocrinology Metabolism*, Vol 85(3), pages 1232-1238, March 2000.

Lovas, S.; Kortvelyesi, T.; Kleinman, H. K.; Otvos, F.; Murphy R.F. Requirements in the Turn Structures of SIKVAV for Stimulation of Neurite Outgrowth. *Peptides 2000*, J. Martinez and J. Fehrentz (Eds.), Editions EDK, Paris , 431-432, 2001.

Ma, Q., Anderson, D.J., Fritsch, B. (2000) Neurogenin 1 null mutant ears develop fewer, morphologically normal hair cells in smaller sensory epithelia devoid of innervation. *JARO*, 1:129-143.

Malone, J.A., Reidelberger, R.D. and Hulce, M. Synthesis of a radiolabelled type A cholecystokinin receptor antagonist, (R)-N-pentyl-N-(4, 5-Di[3H]pentyl-Na-(3-quinolinoy) glutamic acid amide. *J Label Com Radiopharm* 43: 77-90, 2000.

Matutte, B., Storey, K.B., Knoop, F.C. and Conlon, J.M. Induction of synthesis of an antimicrobial peptide in the skin of the freeze-tolerant frog, *Rana sylvatica* in response for environmental stimuli. *FEBS Letters*, 483: 135-138, 2000.

Matutte, B., Knoop, F.C. and Conlon, J.M. Kassinatuerin-I: A peptide with broad-spectrum antiricrobial activity isolated from the skin of the Hyperoliid frog, *Kassina senegalensis*. *Biochem. Biophys. Res. Commun.* 268:433-436, 2000.

Matutte, B., Storey, K.B., Knoop, F.C., and Conlon, J.M. Induction of synthesis of an antimicrobial peptide in the skin of the freeze-tolerant frog, *Rana sylvatica* in response to environmental stimuli. *FEBS Letters* 483:135-138, 2000.

Matutte, B. and Conlon, J.M. Characterization of insulin and atypically processed proglucagon-derived peptides from the Surinam toad *Pipa pipa* (Anura:Pipidae). *Peptides* 21:1357-1362, 2000.

Mimassi, F., Shabazzi, F., Jensen, J., Mabin, D., Conlon, J.M. and LeMevel, J.C. Cardiovascular actions of centrally and peripherally administered trout urotensin I in the unanesthetized trout, *Oncorhynchus mykiss*. *Am. J. Physiol.* 79:R484--R491, 2000.

Mommsen, T.P., Conlon, J.M. and Irwin, D.M. Amphibian glucagon-family peptides: potent metabolic hormones in fish hepatocytes. *Regul. Peptides*, 99:111-118, 2001.

Murphy, L.O., M.W. Cluck, S. Lovas, F. Otvos, R.F. Murphy, A.V. Schally, J. Permert, J. Larsson, J.A. Knezetic and T.E. Adrian. Pancreatic cancer cells require an EGF receptor-mediated autocrine pathway for proliferation in serum-free conditions. *British Journal of Cancer*, 84(7), 926-935, 2001.

Murphy, L.O., Abdel-Wahab, Y.H., Wang, Q.J., Knezetic, J.A., Permert, J., Larsson, J., Hollingsworth, A.M. and Adrian, T.E. "Receptors and Ligands for Autocrine Growth

Pathways are Up-regulated When Pancreatic Cancer Cells are Adapted to Serum-free Culture." *Pancreas* , 22(3), 293-298, 2001.

Norton, N. Jergenson, M., Quinn, T.H. Variation of the pathway of the lateral cord of the brachial plexus. *J. of Clinical Anatomy*, 14(1), 81, 2001.

O'Harte, F.M.P., Boyd, A.C., McKillop, A.M., Abdel-Wahab, Y.H.A., McNulty, H., Barnett, C.R., Conlon, J.M., Hojrup, P., and Flatt, P.R. Structure, antihyperglycemic activity and cellular actions of a novel diglycated human insulin. *Peptides* 21: 1519-1526, 2000.

Olson, L., Soto, A., Knoop, F.C. and Conlon, J.M. Pseudin-2: an antimicrobial peptide with low hemolytic activity from the skin of the paradoxical frog. *Biochem. Biophys. Res. Commun.* 288:1001-1005, 2001.

Otvos, L.; Insug, O.; Rogers, M.E.; Consolvo, P.J.; Condie, B.A.; Lovas, S.; Bulet, P.; Blaszczyk-Thurin, M. Interaction between heat shock proteins and antimicrobial peptides. *Biochemistry*, 2000, 39, 14150-14159.

Palyi, I.; Vincze, B.; Mezo, I.; Pato, J.; Kalnay, A.; Gaal, D.;Seprodi, J.; Hudecz, F.; Mezo, G.; Lovas, S.; Murphy, R.F. GnRH analog conjugates with high anticancer selectivity. *Drugs of the Future*, 26, 51-59, 2001.

Patterson, E. Histamine utilizes JAK-STAT pathway in regulating cytokine production. *International Immunopharmacology*, 1 759-762, 2001.

Paulson, A. F., Lampe, P., Meyer, R.A., TenBroek, E., Atkinson, M., Walseth, T., and Johnson, R.G. (2000) Cyclic AMP and LDL trigger a rapid enhancement in gap junction assembly through a stimulation of connexin trafficking, *Journal of Cell Science* 113, 3037-3049.

Petzel, D. Na/H exchange in Mosquito Malpighian tubules. *Am. J. Physiol.* 279, R1996-2003, 2000.

Pietrantonio, P., Gibson, G.E. A. Stry, T. Hayes and D. Petzel. Characterization of a leucokinin binding protein in *Aedes aegypti* (Diptera: Culicidae) Malpighian tubule . *Insect Biochem. Mol. Biol.*, 30, 1147-59, 2000.

Pirvola, U., Spencer-Dene, B., Xing-Qun, L. Kettunen, P., Thesleff, I., Fritsch, B., Dickson, C., Ylikoski, J, (2000) FGF/FGFR-2(IIIb) signaling is essential for inner ear morphogenesis *J Neurosci* 20: 6125-6134.

Qian, Y., Fritsch, B., Shirasawa, S., Chen, C-L., and Ma, Q. Formation of brainstem catecholaminergic neurons and first order relay visceral sensory neurons is dependent on RNX. *Genes and Development*, 15:2533-2545, 2001.

Reidelberger, R., "Effects of Paraventricular Injection of CCK-8 on Plasma CCK-8 Levels in Rats", Brain Research.

Reidelberger, R., "Synthesis of a Radiolabelled Type A Cholecystokinin Receptor Antagonist, (R)-N-(4, 5-Di[3H]pentyl-N-alpha-(3-quinolinoyl) glutamic acid amide", Journal of Labelled Compounds and Radiopharmaceuticals.

Reidelberger, R. "Brain Regions Where Cholecystokinin Suppresses Feeding in Rats" Brain Research.

Reidleberger, R. "Effects of Long-term Infusion of Anorexic Concentrations of Islet Amyloid Polypeptide on Neurotransmitters and Neuropeptides in Rat Brain" Brain Research.

Reidelberger, R., Arnelo, U., Granqvist, L., and Permert, J. Comparative effects of amylin and cholecystokinin on food intake and gastric emptying in rats. Am J Physiol Regulatory Integrative Comp. Physiol, 280, R605-R611, 2001.

Richards, A.T., Quinn, T.H., et al. Abdominal Wall Hernias. in Greenfield, L.J. Muholland, M.W., et al. Surgery: Scientific Principles and Practice. Lippincott-Raven Press, 2001.

RL Dubin, CM Hall CL Pileri, PE Kudlacek, X-Y Li, JA Yee, ML Johnson and RJ Anderson. Thermostable (SULT1A1) and thermolabile (SULT1A3) phenol sulfotransferases in human osteosarcoma and osteoblast cells. Bone, 28, (6), 617-624, 2001.

Ronca, A.E., Fritsch, B Alberts, J., and Bruce, L.L (2000) Effects of microgravity on vestibular development and function in rats: Genetics and Environment. Korean J Biol Sci 4: 215—22.

Rorabaugh, B.R., Schofield, M.A., Smith, D.D., Jefferies, W.B. and Abel, P.W. Functional calcitonin gene-related peptid subtype 2 receptors in porcine coronary arteries are identified as calcitonin gene related peptide subtype 1 receptors by radioligand binding and reverse transcription-polymerase chain reaction. J. Pharmacol. Exp. Ther., 299, 1086-1094, 2001.

Schrnied BM, Ulrich AB, Matsuzaki H, El-Metwally TH, Ding, X-Z, Fernandez ME, Adrian, T.E., Chaney WG, Batra SK, Pour PM. Biologic instability of pancreatic cancer xenografts in the nude mouse. Carcinogenesis 21; 1121 -1127, 2000.

Shahbazi, F., Conlon, J.M., Holmgren, S., and Conlon, J.M. Effects of cod bradykinin and its analogs on vascular and intestinal smooth muscle of the Atlantic cod, Gadus morhua. Peptides, 22, 1023-1029, 2001.

Sicard, F., Vaudry, H., Braun, B., Chartrel, N., LePrince, J., Conlon, J.M. and Delarue, C. Immunohistochemical localization, biochemical characterization and biological activity of neurotensin in the frog adrenal gland. *Endocrinology* 141:2450-2457, 2000.

Soukup, G.A., Emilsson, G.A.M., & Breaker, R.R. (2000) Altering molecular recognition of RNA aptamers by allosteric selection. *J. Mol. Biol.* 298:623-632.

Soukup, G.A., & Breaker, R.R. (2000) Allosteric nucleic acid catalysts. *Curr. Opin. Struct. Biol.* 10:318-325.

Soukup, G.A., DeRose, E.C., Koizumi, M., & Breaker, R.R. Generating new ligand-binding RNAs by disintegration and affinity maturation of allosteric ribozymes. *RNA*, 7, (4), 524-536, 2001.

Soukup, G.A. Nucleic acids: general properties. In *Encyclopedia of Life Sciences*. Macmillan Reference Ltd., www.els.net, 2001.

Takei, Y., Tsuchida, T., Li, Z. and Conlon, J.M.. Antidipsogenic effects of eel bradykinin in the eel, *Anguilla japonica*. *Am. J. Physiol.*, 281, R1090-R1096, 2001.

T.H Quinn, T.R. Quinn, R.H. Quinn. *Anatomy for Attorneys a text and clinical case histories* Quality Medical Publishers, St. Louis (includes a CD with all figures.), 2001.

Toth, G.; Murphy, R.F.; Lovas, S. Prolyl-Aromatic and Aromatic-Prolyl Local interactions in Polypeptides. *Peptides 2000*, J. Martinez and J. Fehrentz (Eds.), Editions EDK, Paris, 533-534, 2001.

Toth, G.; Watts, C.R.; Murphy, R.F. Lovas, S. Characterization of the Conformations of Polypeptides Containing Aromatic(i)-Amide(i+1, i+2) Interactions. *Peptides 2000*, J. Martinez and J. Fehrentz (Eds.), Editions EDK, Paris , 535-536, 2001.

Toth, G.; Watts, C.R.; Murphy, R.F.; Lovas, S. Significance of Aromatic-Backbone Amide Interactions in Protein Structure. *Proteins: Structure, Function and Genetics*, 43 373-381, 2001.

Ulrich AB, Schmied BM, Matsuzaki H, El-Metwally, T.H., Moyer MP, Ricordi C, Adrain T.E., Batra SK, Pour PM. Establishment of human pancreatic ductal cells in a long-term culture. *Pancreas* 21; 358-368, 2000.

Wang, Y., Remy-Jouet, I., Delarue, C., Letourneau, M., Fournier, A., Vaudry, H. and Conlon, J.M.. Structural characterization and effects on corticosteroid secretion of endothelin-1 and endothelin-3 from the frog, *Rana ridibunda*. *J. Mol. Endocrinol.* 24:285-293, 2000.

- Wang, Y., Axelsson, M., Jensen, J. and Conlon, J.M.. Cardiovascular actions of python bradykinin and substance P in the anesthetized python, *Python regius*. *Am. J. Physiol.* 279: R531-R538, 2000.
- Wang, Y., Jensen, J., Abel, P.W, Fournier, A., Holmgren, S. and Conlon, J.M. Effects of trout endothelin on the motility of gastrointestinal smooth muscle from the trout and rat. *General and Comparative Endocrinology* , 123, 156-162, 2001.
- Wilson, SM, Householder, D.B.1, Coppola, V., Tessarollo, L., Fritzsche, B., Lee, E.C., Goss, D., Carlson, G.A., Copeland, N.G., and Jenkins, N.A., (2001) Mutations in *Cdh23* cause nonsyndromic hearing loss in waltzer mice. *Genomics*, 74:228-233, 2001.
- Woodworth, C.D., Gaiotti, D., Michael, E., Hansen, L.A. and Nees, M. Targeted disruption of the epidermal growth factor receptor inhibits development of papillomas and carcinomas from human papillomavirus-immortalized keratinocytes, *Cancer Research*, 60:4397-4402, 2000.
- Wren, E., S. Guynn, K. Karnaky, D. David Smith and D. Petzel. The effects of antarctic head extracts on short circuit current across the opercular epithelium of the killifish. *Bull. Mt. Desert Is. Biol. Lab.*, 39, 25, 2000.
- Wright, J.R., Bonen, A., Conlon, J.M. and Pohajdak, W. Glucose homeostasis in the teleost fish tilapia: insights from Brockman body xenotransplantation studies. *Am. Zool.* 40:234-245, 2000.
- Xu, X., Li, W.E.I. Huang, G.Y., Meyer, R., , T. Chen, T., Luo, Y., Thomas, M.P. Radice G.L.R., Lo, C.W (2001) Modulation of mouse neural crest cell motility by N-cadherin and Cx43a1 , *J. Cell Biology*154:217-229.
- Yamashita Y, Inoue H, Ohta K, Yoshida K, Miyahara E, Hirai T, Toge T, Adrian, T.E.. Manometric and hormonal changes after distal partial gastrectomy. *Aliment Pharmacol Therapeut* 14; 166-169, 2000.
- Yon, L., Alexandre, D., Montero, M., Chartrel, N., Jeandel, L., Vallarino, M., Conlon, J.M., Kikuyama, S., Fournier, A., Gracia-Navarro, F., Roubos, E., Chow, B., Arimura, A., Anour, Y. and Vaudry, H. Pituitary adenylate-cyclase-activating polypeptide and its receptors in amphibians. *Miscroscopy Res. Tech.* 54:137-157, 2001.
- Youson, J.H., Al-Mahrouki, A.A., Naumovski, D. and Conlon, J.M. The endocrine cells in the gastroenteropancreatic system of the bowfin, *Amia calva*: an immunohistochemical, ultrastructural and immunocytochemical analysis. *J. Morphol.* 250: 208-224, 2001.
- Yuspa, S.H., Hansen, L. Li, L.W., Joseloff, E., Weinberg, W., Fernandez-Salas, E. Interacting signaling pathways in the pathogenesis of squamous cell carcinoma. *Medicina-Buenos Aires*, 60(5):689-692, 2000.

Zimmerman, M. P and T. E. Pisarri. Bronchial vasodilation evoked by increased lower airway osmolarity in dogs. *J. Appl. Physiol* 88: 425-432, 2000.

Z.Bozso, G. Toth, R.F. Murphy and S. Lovas. Difficulties in coupling to conformationally constrained amino acids. *Letters in Pept. Sci.*, 7, 157-163, 2000.