PETER CLIFFORD MANN, D.V.M., DIPLOMATE, A.C.V.P. – CONTINUED

Necropsy and Histology, Current Practices in Pathology, Pathology of Transgenic Mice, Diagnostic Drift. May 21-22, 2003. Health Canada, Ottawa, Canada.

Necropsy and Histology, Current Practices in Pathology, Pathology of Transgenic Mice, Diagnostic Drift. December 2-3, 2003. Health Canada, Ottawa, Canada.

Diagnostic Dilemmas. Industrial and Toxicologic Pathology Course VI. Chicago, IL, July 18-21, 2004.

Pathology of p53 heterozygous Transgenic Mice, CL Davis Foundation, Northeast Division Meeting, December 10, 2004, Nutley NJ.

Pathology of Transgenic Mice. Korean Society of Toxicology. 2004 Annual Meeting, November 4-5, 2004, Seoul, S. Korea.

Current Practices in Pathology, Peer Review. Korean Institute of Toxicology, November 8, 2004, Daejong, S. Korea.

The PTOX Seminar Series: Transgenic Models. Forest Research Institute, October 21, 2004, Jersey City, NJ.

An Introduction to Toxicologic Pathology, Adolor Corporation, March 4, 2005, Exton, PA.

Adverse vs Non-Adverse Lesions in Toxicology Studies. Korean Institute of Toxicology, June 1, 2005, Daejong, South Korea.

Overview of Neoplastic Lesions in Rodents. Korean Association for Laboratory Animal Science, 21st International Symposium, June 3, 2005, Seoul, South Korea.

Module 3: Carcinogenesis. Alternative Onco Study Models – Update, Lecture and Practical. British Society of Toxicologic Pathlogy, Modular Education Programme in Toxicologic Pathology, July 15, 2005, Edinburgh, Scotland.

Transgenic Mice: Creation, Pathology and Use in Toxicology Studies. CL Davis Foundation European Division, Annual Meeting, September 6, 2005, Naples, Italy.

The Rodent Biossay in the 21st Century: Reading the Study – Problems, Pitfalls and Peer Review. CL Davis Foundation, NorthEast Division, November 11, 2005, Nutley, NJ.

INHAND and the GESC – the New Nomenclature Project. Japanese Society of Toxicologic Pathology, February 7, 2008, Nagoya, Japan

PETER CLIFFORD MANN, D.V.M., DIPLOMATE, A.C.V.P. – CONTINUED

Pathology of Transgenic Mice. DIMS Institute of Medical Science, February 8, 2008, Ichinomiya, Japan

Trust Me, I'm a Pathologist. American College of Toxicology, Palm Springs, November 1, 2009, Palm Springs, CA.

PUBLICATIONS AND PRESENTATIONS:

Books:

Mann, P.C.: How to Buy a Used Car Without Getting Gypped. New York, New York, Harper and Row, 1975.

Book Chapters:

Salivary, Harderian and Lacrimal Glands, by S. Botts, M.P. Jokinen, E.T. Gaillard, M.R. Elwell, and P.C. Mann. In: Pathology of the Mouse (R.R. Maronpot, G.A. Boorman, and B.W. Gaul, eds), Vienna, IL, Cache River Press, 1999.

Thymus, Spleen and Lymph Nodes, by J.M. Ward, P.C. Mann, H. Morishima, and C.H. Frith. In: Pathology of the Mouse (R.R. Maronpot, G.A. Boorman, and B.W. Gaul, eds), Vienna, IL, Cache River Press, 1999.

Managing Pitfalls in Toxicologic Pathology, by P.C. Mann, J.F. Hardisty, and M.D. Parker. In: Handbook of Toxicologic Pathology (W.M. Haschek, C.G. Rousseaux, and M.A. Wallig, eds), San Diego, CA, Academic Press, 2002.

Principles of Pathology for Toxicology Studies by Steven R. Frame and Peter C. Mann. In; Principles and Methods of Toxicology, Fifth Edition (A. Wallace Hayes, ed), Boca Raton, FL, CRC Press, 2008

Abstracts:

Mann, P.C., Bush, M., Jones, D.M., Griner, L.A., Keuhne, G.R. and Montali, R.J.: Leiomyomas of the genital tract in large zoo mammals. Laboratory Investigation, 1981, 44:40A.

Mann, P.C., Montali, R.J. and Bush, M.: Respiratory distress syndrome in neonatal reindeer. Laboratory Investigation, 1981, 44:40A-41A.

Mann, P.C., Montali, R.J. and Bush, M.: Tuberculous osteomyelitis in captive marsupials. Laboratory Investigation, 1982, 46-51A.

Harrison, I., Tulleners, E., Mann, P.C. and Raker, C.W.: Assessment of partial arytenoidectomy without mucosal closure of the horse. Vet. Surgery, 1986, 15:122.

PETER CLIFFORD MANN, D.V.M., DIPLOMATE, A.C.V.P. – CONTINUED

Mahler, J.F., Mann, P., Takaoka, M. and Maronpot. R.: Spontaneous lesions of the FVB/N mouse. Tox. Path., 23(6), 1996, 744-745.

Torrey CE, Allen JS, Selinger K, Mann P, Miller RT and Rickert DE. Testing of Clofibrate in a 6-Month Gavage Study Using p53$^{\pm}$ Mice. Toxicologic Pathology 29S:205-207, 2001.

Jackson, K., Okasaki, K., Chihaya, Y., Sato, K., Koelling, M., Meyer, S., and Mann, P. Results of a validation carcinogenicity study using transgenic p53 +/- and transgenic ras H2 mice. The Japanese Society of Toxicology, 2004 Annual Meeting, July 2004.

Acute Adverse Effects of the Indenopyridine, CDB-4022 (Racemate), on the Ultrastructure of Sertoli Cells, Spermatocytes, and Spermatids in the Testes of Treated Rats: Comparison to the Known Sertoli Cell Toxicant, Di-n-Pentylphthalate (DPP), 38th Annual Meeting, Society for the Study of Reproduction, July 24-27, 2005, Quebec City, Quebec, Canada.

Scientific Papers:

Wagner, J.E. and Mann, P.C.: Botulism in California sea lions (Zalophus californianus), a case report. Journal of Zoo Animal Medicine, 1978, 9:142-145.

Kier, A.B., Mann, P.C. and Wagner, J.E.: Disseminated sporotrichosis in a cat. JAVMA, 1979, 175:202-204.

Taylor, J.L., Wagner, J.E., Kusewitt, D.F. and Mann, P.C.: Klossiella parasites of animals. A literature review. Veterinary Parasitology, 1979, 5:137-144.

Wagner, J.E., Burton, C.H., Morehouse, L.G. and Mann, P.C.: A computerized system for retrieval of case information in a veterinary diagnostic laboratory. American Journal of Veterinary Research, 1979, 40:336-442.

Mann, P.C., Bush, M., Appel, M.J.G., Beehler, B.A. and Montali, R.J.: Canine parvovirus infection in South American canids. JAVMA, 1980, 177:779-783.

Wightman, S.R., Mann, P.C. and Wagner, J.E.: Dihydrostreptomycin toxicity in the Mongolian gerbil. Lab. Animal Science, 1980, 30:71-75.

Montali, R.J. and Mann, P.C.: Selected diseases of zoo animals. C.L. Davis Foundation, Training Aid Issue, 1981, Vol. XI.

Montali, R.J., Mann, P.C. and Seidensticker, J.: Rabies in raccoons - Virginia. Morbidity and Mortality Weekly Report, 1981, 30:353-355.

PETER CLIFFORD MANN, D.V.M., DIPLOMATE, A.C.V.P. – CONTINUED

Mann, P.C., Bush, M., Janssen, D.L. Frank, E.S. and Montali, R.J.: Clinopathologic correlations of tuberculosis in large zoo mammals. JAVMA, 1981, 179:1123-1129.

Montali, R.J., Mann, P.C., Jones, D.M., Griner, L.A., Keuhne, G.R., Narushima, E. and Bush, M.: Leiomyomas in the genital tract of large zoo mammals.

Proceedings XXIV International Symposium on the Disease of Zoo Animals, 1982, Vesprem, 117-122.

Mann, P.C., Montali, R.J. and Bush, M.: Mycobacterial osteomyelitis in captive marsupials. JAVMA, 1982. 181:1331-1333.

Acland, H.M., Mann, P.C., Robertson, J.L., Divers, T.J., Lictensteiger, C.A. and Whitlock, R.H.: Toxic hepatopathy in neonatal foals. Vet Path, 1984, 21:3-9.

Reef, V.B., Mann, P.C. and Orsini, P.G.: Echocardiographic detection of tricuspid atresia in two foals. JAVMA, 1987, 191:225-228.

Morris, C.F., Robertson, J.L., Mann, P.C., Clark, S. and Divers, T.J.: Hemolytic uremic-like syndrome in two horses. JAVMA, 1987, 191:1453-1454.

Tulleners, E.P., Harrison, I.W., Mann, P.C. and Raker, C.W.: Partial arytenoidectomy in the horse with and without mucosal closure. Vet Surgery, 1988, 17:252-257.

Orsini, PG, Raker CW, Reid CF, Mann P. Xeroradiographic evaluation of the equine larynx, Am J Vet Res. 1989, 50(6):845-9.

Tulleners, E., Mann, P., Raker, C.W., Epiglottic augmentation in the horse. Vet. Surgery, 1990, 19:181-190.

Bader, R., Gembardt, C., Kaufmann, W., Kuttler, K., Mann, P.C., Van Zwieten, M.J. and Zurcher, C.: Part I: The Rat, 5. Integumentary System. In: International Classification of Rodent Tumours, (U. Mohr, ed), pp 1-45. International Agency for Research on Cancer, 1993.

Hayes, J.R., Wilson, N.H., Roblin, M.C., Mann, P.C. and Kiorpes, A.L.: 28-Day continuous dosing study in minipigs with a SALATRIM structured triacylglycerol composed of stearate, acetate, and propionate. J. Agric. Food Chem., 1994, 42:563-571.

PETER CLIFFORD MANN, D.V.M., DIPLOMATE, A.C.V.P. – CONTINUED

Dodd, D.E., Stuart, B.O., Rothenberg, S.J., Kershaw, M., Mann, P.C., James, J.T. and Lam, C.: Acute, 2-Week, and 13-Week Inhalation Toxicity Studies on Dimethylethoxysilane Vapor in Fischer 344 Rats. Inhalation Toxicology, 6:151-166, 1994.

Malarkey, D.E., Devereux, T.R., Dinse, G.E., Mann, P.C. and Maronpot, R.R.: hepatocarcinogenicity of chlordane in B6C3F1 and B6D2F1 male mice: evidence for regression in B6C3F1 mice and carcinogenesis independent of *ras* proto-oncogene activation. Carcinogenesis, Vol. 16, No. 11, 2617-2625, 1995.

Mann, P.C., Boorman, G.A., Lollini, L.O., McMartin, D.N. and Goodman, D.G. Proliferative lesions of the mammary gland in rats, IS-2. In: Guides for Toxicologic Pathology, STP/ARP/AFIP, Washington, D.C., 1996.

Mann, P.C. Pathology peer review from the perspective of an external peer review pathologist. Toxicologic Pathology ISSN: 0192-6233, Vol. 24, No. 5, 650-653, 1996.

Mahler, J.F., Stokes, W., Mann, P.C., Takaoka, M. and Maronpot, R. Spontaneous lesions in aging FVB/N mice. Toxicologic Pathology ISSN: 0192-6233, Vol. 24, No. 6, 710-716, 1996.

Mann, P.C., Selected lesions of dioxin in laboratory rodents. Toxicologic Pathology ISSN: 0192-6233, Vol. 25, No. 1, 72-79, 1997.

Gray, L.E., Wolf, C., Mann, P., Ostby, J.S., In utero exposure to low doses of 2,3,7,8-tetrachlorodibenzo-p-dioxin alters reproductive development of female Long Evans hooded rat offspring. Toxicology and Applied Pharmacology, Vol 146, No. 2, 237-44, 1997.

Eckhoff G, Mann P, Gaillard E, Dykstra M, Swanson G. Naturally Developing Virus-Induced Lethal Pneumonia in Two Guinea Pigs (Cavia porcellus). Contemp Top Lab Anim Sci, 1998, 37(1):54-57.

Burns-Naas, L.A., Mast, R.W., Klykken, P.C., McCay, J.A., White, K.L., Mann, P.C. and Naas, D.J., Toxicology and humoral immunity assessment of decamethylcyclo-pentasiloxane (D_5) following a 1-month whole body inhalation exposure in Fischer 344 rats. Toxicological Sciences, 43:28-38, 1998.

Burns-Naas, L.A., Mast, R.W., Meeks, R.G., Mann, P.C. and Thevenaz, P., Inhalation toxicology of decamethylcyclo-pentasiloxane (D_5) following a 3-month nose-only exposure in Fischer 344 rats. Toxicological Sciences, 43:230-240, 1998.

PETER CLIFFORD MANN, D.V.M., DIPLOMATE, A.C.V.P. – CONTINUED

Mahler, JF, Flagler, ND, Malarkey, DE, Mann, PC, Haseman, JK and Eastin, W., Spontaneous and chemically induced proliferative lesions in Tg.AC Transgenic and *p53*-heterozygous mice. Toxicologic Pathology, Vol. 26, No. 4, 501-511, 1998.

Boorman, G.A., Anderson, L.E., Morris, J.E., Sasser, L.B., Mann, P.C., Grumbein, S.L., Hailey, J.R., McNally, A., Sills, R.C. and Haseman, J.K., Effect of 26 week magnetic field exposures in a DMBA initiation-promotion mammary gland model in Sprague-Dawley rats. Carcinogenesis, Vol. 20, No. 5, 899-904, 1999.

Anderson, L.E., Boorman, G.A., Morris, J.E., Sasser, L.B., Mann, P.C., Grumbein, S.L., Hailey, J.R., McNally, A., Sills, R.C., and Haseman, J.K., Effect of 13-week magnetic field exposures on DMBA initiated mammary gland carcinomas in female Sprague-Dawley rats. Carcinogenesis, Vol. 20, No. 8, 1615-20, 1999.

Richardson, F.C., Tennant, B.C., Meyer, D.J., Richardson, K.A., Mann, P.C., McGinty, G.R., Wolf, J.L., Zack, P.M. and Bendele, R.A., An Evaluation of the Toxicities of 2'-Fluorouridine and 2'-Fluorocytidine-HCl in F344 Rats and Woodchucks (*Marmota monax*). Toxicologic Pathology, Vol. 27, No. 6, 607-617, 1999.

Ostby, J., Kelce, W.R., Lambright, C., Wolf, C.J., Mann, P., Gray, L.E., Jr., The fungicide procymidone alters sexual differentiation in the male rat by acting as an androgen-specific antagonist *in vivo* and *in vitro*. Toxicology and Industrial Health, Vol. 15, Nos. 1-2, 80-93. 1999.

Gary, L.E., Wolf, C. Lambright, C., Mann, P., Price, M., Cooper, R.L., Ostby, J., Administration of potentially antiandrogenic pesticides (procymidone, linuron, iprodione, chlozolinate, p.p'-DDE, and ketoconazole) and toxic substances (dibutyl- and diethylhexyl phthalate, PCB169, and ethane dimethane sulphonate) during sexual differentiation produces diverse profiles of reproductive malformations in the male rat. Toxicology and Industrial Health, Vol. 15, Nos. 1-2, 94-118, 1999.

Lambright, C., Ostby, J., Bobseine, K., Wilson, V., Hotchkiss, A.K., Mann, P.C., Gray, L.E. Jr., Cellular and molecular mechanism of action of linuron: An antiandrogenic herbicide that produces reproductive malformation in male rats. Toxicological Sciences, 56(2):230-240, 2000.

Maronpot, R.R., Mitsumori, K., Mann, P., Takaoka, M., Yamamoto, S., Usui, T., Okamiya, H., Nishiukawa, S., and Nomura, T., Interlaboratory comparison of the CB6F1-Tg rasH2 rapid carcinogenesis testing model. Toxicology, Vol, 146, Nos. 2-3, 149-59, 2000.

PETER CLIFFORD MANN, D.V.M., DIPLOMATE, A.C.V.P. – CONTINUED

Floyd, E., Mann, P., Long, G., Ochoa, R., The Trp53 hemizygous mouse in pharmaceutical development: Points to consider for pathologists. Toxicologic Pathology, Vol. 30, No. 1, 147-156, 2002.

Lau, C., Narotsky, M.G., Lui, D., Best, D., Setzer, R.W., Mann, P.C., Wubah, J.A., Exposure-disease continuum for 2-chloro-2'-deoxyadenosine (2-CdA), a prototype teratogen: Induction of lumbar hernia in the rat and species comparison for the teratogenic responses. Teratology, Vol. 66, No. 1, 6-18, 2002.

Lanning LL, Creasy DM, Chapin RE, Mann PC, Barlow NJ, Regan KS and Goodman DG. Recommended approaches for the evaluation of testicular and epididymal toxicity. Toxicologic Pathology, Vol. 30, No. 4, 507-520, 2002.

Dykstra MJ, Mann PC, Elwell MR, and Ching SV. Suggested Standard Operating Procedures (SOPs) for the preparation of electron microscopy samples for toxicology/pathology studies in a GLP environment. Toxicologic Pathology, Vol. 30, No. 6, 735-743, 2002.

Wolf DC and Mann PC. Confounders in Interpreting Pathology for Safety and Risk Assessment. Toxicology and Applied Pharmacology, 202:302-308, 2005.

Torrey CE, Campbell JA, Hoivik DJ, Miller RT, Allen JS, Mann PC, Selinger K, Rickert D, Savina PM and Santostefano MJ. Evaluation of the Carcinogenic Potential of Clofibrate in the $p53^{\pm}$ Mouse. Int. J. Toxicology 24:289-299, 2005.

Lewis JM, Maslanka JC, Malley LA, Everds NE, Mann PC, Kennedy GL Jr. Oral Toxicity Study of 2-pentenenitrile in rats with reproductive toxicity screening test. Drug Chem Toxicol 29(4):345-361, 2006.

Hild SA, Reel JR, Dykstra MJ, Mann PC, Marshalls GR. Acute Adverse Effects of the Indenopyridine CDB-4022 on the Ultrastructure of Sertoli Cells, Spermatocytes, and Spermatids in Rat Testes: Comparison to the Known Sertoli Cell Toxicant Di-n-pentylphthalate (DPP), J of Androl, 28:621-629, 2007.

Malley LA, Everds NE, Reynolds J, Mann PC, Lamb I, Rood T, Schmidt J, Layton RJ, Prochaska LM, Hinds M, Locke M, Chui CF, Claussen F, Mattsson JL, Delaney B. Subchronic feeding study of DAS-59122-7 maize grain in Sprague-Dawley rats. Food Chem Toxicol. Jul;45(7):1277-92, 2007. Epub 2007 Jan 25.

Hardisty JF, Elwell MR, Ernst H, Greaves P, Kolenda-Roberts H, Malarkey DE, Mann PC, Tellier PA. Histopathology of hemangiosarcomas in mice and hamsters and liposarcomas/fibrosarcomas in rats associated with PPAR agonists. Toxicol Pathol. 35(7):928-41, 2007.

PETER CLIFFORD MANN, D.V.M., DIPLOMATE, A.C.V.P. – CONTINUED

Hoberman AM, Schreur DK, Leazer T, Daston GP, Carthew P, Re T, Loretz L , Mann P. Lack of effect of butylparaben and methylparaben on the reproductive system in male rats. Birth Defects Res B Dev Reprod Toxicol. 83(2):122-133, 2008.

Snyder PW, Mann P Bolon B Elmore S Haschek-Hock W. McDorman K Morton DM. Ochoa R, and Ryan A. The Society of Toxicologic Pathology and the "One Health" Initiative. Toxicol Pathol. 38(3): 2010.

Peter C. Mann

PETER C. MANN, D.V.M.
Diplomate, A.C.V.P.

APRIL 23, 2010
Date

JAMES B. NOLD

Biotechnics

Formal Education:

1985	Colorado State University Fort Collins, CO PhD Pathology
1980	The Armed Forces Institute of Pathology Washington, DC Pathology Residency Diploma
1973	Ohio State University Columbus, OH DVM

Board Certifications and Licensure:

Diplomate, American College of Veterinary Pathologists, 1980

Professional Experience:

WIL Research Laboratories, LLC/Biotechnics
Hillsborough, NC

02/09/09 - Present

Position: Senior Pathologist
Pathology

Performs microscopic examination of material obtained from various in-house studies utilizing different species. These will include acute, subacute and chronic studies. Records the microscopic findings in the on-line computer system utilizing the pathology master list of terms or microscopic lesions established for the given species or organ.Correlates the clinical pathology data with the microscopic observations. Writes the pathology summary, which includes organ weight, gross, microscopic and clinical pathology interpretations on various studies. Provides consultation to the necropsy group during the examination of individual animals sacrificed or which died on study. Provides direction and professional consultation for the department during the absence of the Director. Scientific and technical adviser for necropsy and histology labs. Maintains professional level of expertise by attending scientific meetings,

***Professional Experience* (Continued):**

reading appropriate professional journals, and participating in professional organizations. Special interests in neuropathology include brain morphometry in developmental toxicity studies. Assists with the clinical care of study animals.

GlaxoSmithKline
Research Triangle Park, NC

2003 - 2009

Position: Director of Morphologic Pathology
Safety Assessment, Pathology

Directed the histology and necropsy service function and supervised the Manager of Necropsy and Laboratory Services. Managed the contracted histopathology workload and assisted in scheduling and assignment of studies. Provided pathology support to both research and development functions, including consultation and collaboration on target and chemical class liability, animal model selection, and investigative and regulatory study design, as well as gross, microscopic and molecular pathologic evaluation and data interpretation of target localization and biological profiling, investigational, and regulatory studies.

2001 - 2003

Position: Director of Regulatory & Discovery Pathology
Safety Assessment, Pathology

Provided pathology support to both research and development functions, including consultation and collaboration on target and chemical class liability, animal model selection, and investigative and regulatory study design, as well as gross, microscopic and molecular pathologic evaluation and data interpretation of target localization and biological profiling, investigational, and regulatory studies.

Pathology Associates
A Charles River Company
Durham, NC

1997 - 2001

Position: Division Director

Was responsible for the overall operation of the North Carolina Division for Pathology Associates – A Charles River Company. Served as the senior administrator of the group and directly

***Professional Experience* (Continued):**

supervises five doctorate level scientists and the Division Director. Served as a study pathologist and as a business development representative for the organization. Specialized in general toxicologic pathology and electron microscopy. The North Carolina Division currently has a staff of 20 personnel.

Covance Laboratories, Inc.
Pathology Department
Madison, WI

1993 – 1996

Position: Director of Pathology

Responsible for all administrative functions of the department and for the scientific direction of the Anatomical Pathology Section (which includes necropsy and histology) and the Clinical Pathology Section (which includes hematology and clinical chemistry). Directly supervised five anatomical pathologists, one clinical pathologist, the section supervisors of the Anatomic Pathology Section, and an administrative assistant. Also served as a study pathologist. Special interests in morphometry, immunopathology, and general toxicologic pathology.

Corning Hazleton, Inc.
Pathology Department
Madison, WI

1990 - 1993

Position: Pathologist

Study pathologist for acute, subchronic, chronic, and reproductive toxicology, and oncogenicity studies using rats, mice, dogs, rabbits, nonhuman primates, and domestic livestock as the experimental animals. Supervised the macroscopic examination of the test animals, evaluated the prepared tissues, and wrote the pathology portion of the study reports.

Specialized in morphometry and immunohistochemistry techniques. Radiation pathology, immunopathology, and acute toxicologic pathology were particular areas of interest.

Articles:

Quaile, M.P.; Melich, D.H.; Jordan, H.L.; Nold, J.B.; Chism, J.P.; Polli, J.W.; Smith, G.A.; Rhodes, M.C. Toxiciy and toxicokinetics of metformin in rats. Toxicology and Applied Pharmacology **2010**, 243, 340-347.

Frazier, K.; Thomas, R.A.; Scicchitano, M.S.; Mirabile, R.C.; Boyce, R.W.; Zimmerman, D.M.; Grygielko, E.T.; Nold, J.; DeGouiville, A-CM.; Huet, S.R.; Laping, N.J.; Gellibert, F.J. Inhibition of ALK5 signaling induces physeal dysplasia in rat. *Toxicol. Pathol.* **2007** 35, 284-2007.

Hoivik, D.J.; Allen, J.S.; Wall, H.G.; Nold, J.B.; Miller, R.T.; Santostefano, M.J. Studies evaluating the utility of *N*-methyl-*N*-nitrosurea as a positive control in carcinogenicity studies in the $p53^{+/-}$ mouse. *International Journal of Toxicology* **2005**, *24*, 349-356.

Vahle, J.L.; Sato, M.; Long, G.G.; Young, J.K.; Francis, P.C.; Engelhardt, J.A.; Westmore M.S.; Ma, Y.L.; Nold, J.B. Skeletal changes in rats given daily subcutaneous injections of recombinant human parathyroid hormone (1-34) for 2 years and relevance to human safety. *Toxicol. Pathol.* **2002**, *30(3)*, 312-321.

Elangbam, C.S.; Brodie, T.A.; Brown, H.R.; Nold, .J.B.; Raczniak, T.J.; Tyler, R.D.; Lightfoot RM, and Wall HG: Vascular effects of GI262570X (PPAR-γ agonist) in the brown adipose tissue of Han Wistar rats: a review of 1-month, 13-week, 27-week and 2-year oral toxicity studies. *Toxicol. Pathol.* **2002**, *30(4)*, 420-426.

Nyska, A.; Nold, J.B.; Johnson, J.D.; Abdo, K. Lysosomal-storage disorder induced by Elmiron following 90-days gavage administration in rats and mice. *Toxicol Pathol.* **2002**, *30(2)*, 178-187.

Nold J.B.; Keenan, K.P.; Nyska, A.; Cartwright, M.E.; Society of toxicologic pathology position paper: diet as a variable in rodent toxicology and carcinogenicity studies. *Toxicol Pathol* **2001**, *29(5)*, 585-586.

Cunningham, M.L.; Price, H.C.; O'Connor, R.W.; Moorman, M.P.; Mahler, J.F.; Nold, J.B.; Morgan, D.I. Inhalation toxicity studies of the alpha, beta-unsaturated ketones: 2-cyclohexene-1-one. *Inhal Toxicol* **2001**, *13(1)*, 25-36.

Herrera, J.; Gage, T.; Vigneulle, R.M.; Nold, J.B.; Dubois, A. Effects of radiation and radioprotection on small intestinal functions in canines. *Dig Dis Sci* **1995**, *40(1)*, 211-218.

Baker, W.H.; Nold, J.B.; Patchen, M.L.; Jackson, W.E. Histopathologic effects of soluble glucan and WR-2721, independently and combined in CeH/HeN mice. *Proceedings Society Experimental Biology and Medicine* **1992**, *201(2)*, 180-91.

Nold, J.B.; Petrali, J.P.; Wall, H.G.; Moore, D.H. Progressive pathology of two organofluorine compounds in rats. *Inhalation Toxicology* **1991**, *3*,123-137.

Keeler, J.R.; Hurt, H.H.; Nold, J B.; Corcoran, K.D.; Tezak-Reid, I.M. Phosgene-induced lung injury in the sheep. *Inhalation Toxicology* **1990**, *2*, 391-406.

Articles (Continued):

Keeler, J.R.; Hurt, H.H.; Nold, J.B.; Lennox, W.J. Estimation of the LCt50 of phosgene in sheep. *Drug and Chemical Toxicology* **1990**, *13(2 and 3)*, 229-239.

Hayward, I. J.; Wall, H.G.; Jaax, N.K.; Wade, J.V.; Marlow, D.D.; Nold, J.B. Decreased brain pathology in organophosphate-exposed rhesus monkeys following benzodiazepine therapy. *Journal of the Neurological Sciences* **1990**, *98*, 99-106.

Vigneulle, R.M.; Herrera, J.; Gage, T.; MacVittie, T.J.; Mohaupt, T.; Zeman, G.; Nold, J.B.; Dubois, A. Nonuniform irradiation of the canine intestines, I. effects. *Radiation Research* **1990**, *121*, 46-53.

Keeler, J.R.; Hurt, H.H.; Nold, J.B.; Lennox, W.J. Estimation of the LCt50 of phosgene in sheep. *Drug Chem Toxicol* **1990**, *13(2-3)*, 229-39.

Hayward I.J.; Wall, H.G.; Jaax, N.K.; Wade, J.V.; Marlow, D.D.; Nold, J.B. Influence of Therapy with Anticonvulsant Compounds on the Effects of Acute Soman Intoxication in Rhesus Monkeys, USAMRICD-TR-88-12, USAMRDC, Ft. Detrick, Maryland, **1988**.

Nold, J.B.; Weichbrod, R.H.; Alderks, E.C. What's your diagnosis? Stomach nodules in pigeons (tetrameriasis). *Laboratory Animal* **1988**, *17*, 11-12.

Nold, J.B.; Benjamin, S. A.; Miller, G.K. Alterations in immune responses in prenatally irradiated dogs. *Radiation Research* **1988**, *115*, 472-488.

Nold, J.B.; Benjamin, S.A.; Miller, G.H. Prenatal and neonatal irradiation in dogs: hematologic and hematopoietic responses, *Radiation Research* **1987**, *112*, 490-499.

Bogo, V.; Hill, T.A.; Nold, J.B. Motor performance effects of propyleneglycol dinitrate in the rat. *Journal of Toxicology and Environmental Health* **1987**, *22*, 17-27.

Nold, J.B.; Benjamin, S.A.; Miller, G.H. Radiation injury to the canine thymus and Lymphohematopoietic stem cells: correlation with functional immunological deficits, DNA-TR-86-207, Defense Nuclear Agency, Armed Forces Radiobiology Research Institute, Bethesda, Maryland, **1986**.

Mehm, W.J.; Nold, J.B.; Zernach, R.C. Topical effects of molten salt on rat integument: a histological and photometric assessment. *Aviation, Space, and Environmental Medicine*, **1986**, *57*, 362-366.

Cockerham, L.G.; Doyle, T.F.; Trumbo, R.B.; Nold, J.B. Acute post-irradiation canine

intestinal blood flow. *International Journal of Radiation Biology* **1984**, *45*, 65-72.

Nold, J.B.; Powers, B.E.; Eden, E.L., McChesney, A.E. Ameloblastic odontoma in a dog. *Journal of the American Veterinary Medical Association* **1984**, *185*, 996-997.

Articles (Continued):

Hamilton, H.B.; Severin, G.A.; Nold, J.B. Pulmonary squamous cell carcinoma with intraocular metastasis in a cat. *Journal of the American Medical Association* **1984**, *185*, 307-309.

Nold, J.B.; Swanson, T.; Spraker, T.R. Bacillus piliformis infection (Tyzzer's disease) in a Colorado foal. *Journal of the American Veterinary Medical Association* **1984**, *185*, 306-307.

Ege, G.N.; Nold, J.B.; Eng, R.R.; Durakovic, A.; Conklin, J.J. Effects of a metastatic (13262) and nonmetastatic (R3230AC) mammary adenocarcinoma on radiocolloid localization in regional lymph nodes in Fischer 344 rats. *RES: Journal of the Reticuloendothelial Society* **1983**, *34*, 449-462.

Gardiner, C.H.; Nold, J.B.; Sanders, J.E. Diagnostic exercise. *Laboratory Animal Science* **1982**, *32*, 601-602.

Books:

Bogo, V.; Young, R.W.; Hill, T.A.; Cartledge, R.M.; Nold, J.B.; Parker, G.A. Neurobehavioral toxicology of petroleum- and Shale-derived jet propulsion fuel no. 5 (JP5). In *Advances in Modern Environmental Toxicology*; MacFarland, H.N; Holdsworth, E.C.; MacGregor, J.A.; Call, R.W.; Lane, M.L. Eds.; Princeton Scientific Publishers: Princeton, NJ, **1984**; Vol VI, pp. 17-32.

Abstracts:

Ariazi, J.L.; Luo, L.; Adams, D.F.; Biju, M.; Pan, X-Q.; Pappalardi, M.; McNulty, D.; Nold J.B.; Chomo, M.; Biology of GSK1278863A, a prolyl hydroxylase inhibitor for the treatment of anemia. SciNovations, March 4, 2008, Upper Merion, GSK, 2008.

Chandra, S.A.; Hamilton, B.F.; Nold, J.B.; Lightfoot, R.M.; Walker, D.S. Fourier transform infrared microscopy (FTIRM) for identification of crystal deposits in formalin fixed paraffin embedded tissue sections. *Toxicologic Pathology* **2005**, *33(1)*, 202.

Frazier, K.D.; Nold, J.B.; Scicchitano, M.S.; Thomas, R.; Dalmas, D.; Grygielko, E.; Laping, N.; Gellibert, F.; DeGouville, A.; Huet, S. Physeal hypertrophy is a pharmacologic biomarker for transforming growth factor-beta receptor inhibitory activity in rats. *Vet. Pathol.* **2004**, *41(5)*, 588.

Cunningham, M.L.; Price, H.C.; Nold, J.B.; O'Connor, R.W.; Moorman, M.P.; Morgan, D.L. 13 week inhalation toxicity studies of 2-cyclohexene-1-one. *The Toxicologist* **1999**,

Abstract #P38.

Abstracts (Continued):

Palmer, T.E.; Nold, J.; Palazzolo, M.; Ryan, T. Fibrosarcomas Associated with Passive Integrated Transponder Implants," Abstract. 16th International Symposium, Society of Toxicologic Pathologists, Beaver Creek, Colorado, June 22-26, 1997.

Boysen, B.; Nold, J.B.; Alsaker, R.; Weiler, M.; Meehan, J. A method for preparing sections and documenting the neurohistopathologic evaluation of subanatomic areas of rat brain in regulated neurotoxicity studies, *Veterinary Pathology* **1993**, *30(5)*, 464.

Assaad, A., Trotz, M., Moore, D., Nold, J. B., Corcoran, K., Dewey, H., Phillips, K., and Said, S.: "Release of Cyclooxygenase Metabolites following Perfluoroisobutylene (PFIB)-Induced Acute Lung Injury and Pulmonary Edema," The 1991 Annual Meeting ofthe American Lung Association/American Thoracic Society, Anaheim, California, 1991.

Assaad, A.; Moore, D.; Nold, J.B.; Tucker, S.; Corcoran, K.; Dewey, H.; Phillips, K. Hematology and serum chemistry of sheep exposed to a toxic dose of perfluoroisobutylene. *The Toxicologist* **1991,** Abstract #331.

Assaad, A.; Nold, J.B.; Petrali, J.; Moore, D.; Mitcheltree, L.; Corcoran, K.; Phillips, K. Pulmonary pathological alterations in sheep exposed to a lethal dose of phosgene," 75th Annual Meeting of the Federation of American Societies for Experimental Biology (FASEB), Atlanta, Georgia, 1991

Assaad, A.; Trotz, M.; Moore, D.; Nold, J.B.; Corcoran, K.; Dewey, H.; Phillips, K.; Said, S. Biochemical markers of acute lung injury in the bronchoalveolar lavage of sheep exposed to a toxic dose of perfluoroisobutylene. *International Journal of Toxicology* **1990**, Abstract #P15.

Assaad, A.; Moore, D.; Nold, J.B.; Tucker, S.; Corcoran, K.; Dewey, H.; Phillips, K. Hematology and serum chemistry of sheep exposed to lethal doses of phosgene. *International Journal of Toxicology* **1990**, Abstract #P20.

Assaad, A.; Trotz, M.; Moore, D.; Nold, J.B.; Corcoran, K.; Hurt, H.; Keeler, J.; Phillips, K.; Said, S.I. Arachidonic acid metabolites as early markers of phosgene-induced acute lung injury and pulmonary edema. *American Review of Respiratory Disease* **1990**, *41(4)*, A420.

Nold, J. B.: OP-induced pathology, introduction and overview. *Proceedings, of the Workshop on Convulsions and Related Brain Damage Induced by Organophosphorus Agents* **1990**, 11-17.

Nold, J. B., Gruber, D. F., Heman-Ackah, Y. D., Farese, A. M.: "Morphometric Changes

in Rat Spleen following Irradiation, Thermal Injury, and Combined Injury," 37th Annual Meeting of the Radiation Research Society, Abstract EK-21, Seattle, Washington, 1989.

Abstracts (Continued):

Vigneulle, R. M., Nold, J. B., Dubois, A., White, M., Heman-Ackah, L. M., and Schwartz, G. M.: "Effects of WR2721 on Mucosal Cell Pathology of the Small Intestines in Irradiated Dogs," *Proceedings, XII International Meeting of the Society for Analytical Cytology* , Cambridge, England, 1987.

Walden, T. L. Jr., Speicher, J., Nold, J., and Snyder, S.: "16,16-Dimethyl Prostaglandin E2, a Radioprotective Agent, Increases the Intestinal Diamine Oxidase Levels in Unirradiated Mice," *Proceedings, 8th International Congress of Radiation Research* , Edinburgh, Scotland, 1987.

Vigneulle, R. M., Herrera, J., Gage, T., Sellitti, D., MacVittie, T. J., Mohaupt, T., Rollins, T., Heman-Ackah, L. M., White, M., Kreft, D., Nold, J. B., and Dubois, A.: "Protective Effects of WR2721 on Intestinal Mucosa in Irradiated Dogs," *Proceedings, 8th International Congress of Radiation Research* , Edinburgh, Scotland, 1987.

Vigneulle, R.M.; Herrera, J., Gage, T., MacVittie, T. J., Mohaupt, T., Robbins, P., Heman-Ackah, L. M., White, M., Kreft, D., Nold, J. B., DeBell, R. and Dubois, A.: "Combined Intestinal and Hematopoietic Radioprotection with WR2721 in Dogs," Perspectives in Radioprotection Symposium, Armed Forces Radiobiology Research Institute, Bethesda, Maryland, 1987.

Vigneulle, R.M.; Herrera, J.; Gage, T.; Sellitti, D.; MacVittie, T.J.; Mohaupt, T.; Heman-Ackah, L.M.; Nold, J.B.; Dubois, A. Function of intestinal mucosa in dogs following irradiation utilizing an isoperistaltic ileostomy. *Federation Proceedings* **1987**, *46*, 4447A.

MacVittie, T.J.; Monroy, R.; Vigneulle, R.; Nold, J.B.; Patchen, M., Zeman, G. Treatment of radiation-induced hemopoietic syndrome in canines. RSG I I, IVth Symposium the Provision for Blood for Military Casualties, Lyon-Bron, France, 1986.

Miller, G.K.; Benjamin, S.A.; Nold, J.B. Developmental injury, postnatal immune function, and lyrnphoproliferative neoplasia in the dog. *Proceedings* **1986**, 123.

DeBell, R.M.; Ledney, G.D.; Nold, J.B.; Snyder, S. Diamine oxidase: a marker for intestinal mucosal integrity after trauma. *Journal of Leukocyte Biology* **1986**, *40*, 238.

Miller, G.K.; Nold, J.B.; Benjamin, S.A. Prenatal and neonatal radiation injury and immunologic development. *Laboratory Investigation* **1986**, *54*, 43A.

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EDUCATION:

Michigan State University, B.S., 1963
Michigan State University, D.V.M., 1965
Michigan State University, M.S., 1966
Harvard University, M.P.H., 1972

PRESENT POSITION AND BACKGROUND:

2008 – Present	Senior Pathologist, Experimental Pathology Laboratories, Inc. Research Triangle Park, NC
2007 – Present	Maronpot Consulting, LLC, 1612 Medfield Road Raleigh, NC
1992 - 2006	Chief, Laboratory of Experimental Pathology, Environmental Toxicology Program, National Institute of Environmental Health Sciences, Research Triangle Park, NC
1991 - 1992	Chief, Experimental Toxicology Branch, National Toxicology Program National Institute of Environmental Health Sciences, Research Triangle Park, NC
1990 - 1991	Head, Cancer Genetics & Molecular Pathology, Experimental Carcinogenesis & Mutagenesis Branch, National Institute of Environmental Health Sciences, Research Triangle Park, NC
1989 - 1993	Board of Directors, American Board of Toxicology, Washington, D.C. University of North Carolina, Chapel Hill, N.C.
1981 - 1990	Head, Experimental Pathology, Chemical Pathology Branch, National Toxicology Program, National Institute of Environmental Health Sciences, Research Triangle Park, NC
1978 - 1981	Senior Fellow, Bushy Run Research Center, Carnegie-Mellon University 4400 Fifth Avenue, Pittsburg, Pennsylvania
1975 - 1978	Head, Pathology Department, Chemical Hygiene Fellowship, Carnegie-Mellon Institute of Research, 4400 Fifth Avenue, Pittsburg, Pennsylvania
1974 - 1975	Head, Research Animal Facility
1974 - 1975	Acting Head, Experimental Pathology Division, Naylor Dana Institute for Disease Prevention, American Health Foundation, Valhalla, New York

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PRESENT POSITION AND BACKGROUND: – Continued

1974 - 1975	Clinical Assistant Professor of Pathology, New York Medical College, Valhalla, New York
1975	Consultant in Veterinary Pathology, Memorial Sloan-Kettering Cancer Research Center, New York, New York
1972 - 1974	Research Fellow in Comparative Pathology, Pathology Department, Harvard Medical School and Angell Memorial Animal Hospital Boston, Massachusetts
1971 - 1972	Research Fellow in Public Health, Microbiology Department, Harvard School of Public Health, Boston Massachusetts Valhalla, New York
1968 - 1971	Head, Veterinary Medicine Department, U.S. Naval Medical Research Unit #3 Cairo, Egypt
1966 - 1968	Veterinary Laboratory Officer, Veterinary Corps, U.S. Army Pathology Division, U.S. Army Medical Research and Nutrition Laboratory, Denver, Colorado
1965 - 1966	NIH Postdoctoral Fellow, Pathology Department, Michigan State University, East Lansing, Michigan

PROFESSIONAL MEMBERSHIPS:

American College of Veterinary Pathologists

Society of Toxicologic Pathologists

Society of Toxicology

SPECIALTY BOARDS & HONORS:

Diplomate, American College of Veterinary Pathologists, 1973

Diplomate, American Board of Toxicology, 1980

Distinguished Postdoctoral Veterinary Alumnus Award from

Michigan State University College of Veterinary Medicine - 2000

President, Society of Toxicologic Pathology - 2001-2002

Editor-in-Chief, Toxicologic Pathology – 2001-2004

ROBERT R. MARONPOT, DVM, MS, MPH

SELECTED NATIONAL & INTERNATIONAL INVITED PRESENTATIONS SINCE 2007:

2007 Lectures

- Society of Toxicology Annual Meeting
  Charlotte, NC – March 2007
  Lectured at a Continuing Education Course
  Rodent Imaging Overview for the Toxicologist
  "Magnetic Resonance Imaging"

- 7th Biennial Industrial Toxicology & Pathology Short Course
  University of Illinois – July 2007
  "Carcinogenicity Assessment"
  and
  "Application of Multimodality Imaging in Toxicologic Pathology"

- American Association for Laboratory Animal Science Annual Meeting
  Charlotte, NC – October 2007
  The Wallace P. Rowe Lecture
  "The Cancer Bioassay: Challenges for the Future"
  and
  Seminar on Current Imaging Modalities for Rodent Xenograft Models
  "MRI Imaging Systems"

- National Academy of Science Workshop on Mouse Liver Tumors
  Washington, DC – November 2007
  "Mouse Models for Carcinogenicity"

- American College of Veterinary Pathologists
  Savannah, Georgia – November 2007
  Lectured at a Continuing Education Course
  Rodent Imaging Overview for the Pathologist
  "Magnetic Resonance Imaging"

2008 Lectures

- ILSI Annual Meeting
  Rio Grande, Puerto Rico – January 2008
  Organized symposium on "Applications of Small Animal Imaging in Toxicology Research and Testing"
  Lectured on "Application of Magnetic Resonance Imaging in Toxicology and Toxicologic Pathology"

- NIEHS
  February 2008
  Lecture on "Comparative Medicine Branch Pathology/Case Presentations"

- Aperio Research Triangle Park Digital Pathology Seminar
  May 13, 2008
  Lecture on "Digital Pathology for Peer Review and Phenotyping"

ROBERT R. MARONPOT, DVM, MS, MPH

SELECTED NATIONAL & INTERNATIONAL INVITED PRESENTATIONS SINCE 2007: Continued

- NTP Satellite Symposium, STP Annual meeting
  Conundrums in Toxicologic Pathology
  June 21, 2008, San Francisco

- 2nd East Mediterranean ICLAS Regional Meeting
  "Overview of Imaging Modalities and Control of Small Animal Physiology During Live Imaging" and "Application of MRI in Toxicology and Toxicologic Pathology"
  Jerusalem, Israel, December 3-4, 2008.

- TEVA Pharmaceutical Company, Israel
  "The Cancer Bioassay: Past, Present, Future"
  December 8, 2008

EDITORIAL REVIEW BOARD:

Editor – Toxicologic Pathology (2001- 2004)

Editorial Board – Toxicologic Pathology (1986-2001)

Section Editor, Laboratory Animal Pathology (1996-2001)

Editorial Board – Drug and Chemical Toxicology (1986-1992)

Editorial Board – Fundamental and Applied Toxicology (1985-1991)

Editorial Review Board – Environmental Health Perspectives (1985-1992) (1994-1997)

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Editorial Board – Experimental & Toxicologic Pathology (2001-present)

EDITORIAL ACTIVITIES:

Ad hoc Reviewer

Comparative Medicine

Carcinogenesis

Molecular Carcinogenesis

Cancer

International Journal of Cancer

Toxicological Sciences

Cancer Research

American Journal of Pathology

Proceedings of the National Academy of Sciences (USA)

American Journal of Respiratory Cell & Molecular Biology

Food and Chemical Toxicology

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PUBLICATIONS AND PAPERS:

Maronpot RR and Whitehair CK, 1967. Experimental Sprue-like Small Intestinal Lesions in Pigs. Can. J. Comp. Med. 31:309-316.

Maronpot RR, Stedman MA, and Bucci TJ, 1968. Focal Degenerative Myopathy in Turkeys. Avian Dis. 12:96-103.

Stedham MA, Bucci TJ, and Maronpot RR, 1968. Sexual and Asexual Phases of Aspergillus Nidulans in an Egret. Myopath. et Mycologia Appli. 36:289-292.

Maronpot RR and Michael SA, 1968. Toxoplasmosis in Sheep. A Review. J. Egypt. Vet. Med. Assoc. 28:155-163.

Maronpot RR and Guindy E, 1970. Preliminary Study of *Babesia Gibsoni* Patton in Wild Carnivores and Domesticated Dogs in Egypt. Amer. J. Vet. Res. 31:797-799.

Maronpot RR and Ezzat E, 1970. Hematologic Values for Cairo Dogs. Proc. 9th Arab Vet. Congress, Cairo, Egypt. pp. 124-134.

Maronpot RR and Abd El Hei Refaii, 1970. The Histopathology of Klosiella Equi in Egyptian Equines. Proc. 9th Arab Vet. Congress, Cairo, Egypt. pp. 226-235.

Botros BA M, Awad AY, Kozman AR, Hildebrandt PK, and Maronpot RR, 1970. Hematologic, Blood Electrolyte and Blood Biochemical Values of Egyptian Domesticated Animals. J. Egypt. Vet. Med. Assoc. 30:53-61.

Michael SA, Maronpot RR, and Botros BAM, 1970. Blood Parasites in Egyptian Animals. Proc. 9th Arab Vet. Congress, Cairo, Egypt. pp. 236-254.

Waslien CI, Maronpot RR, and Kozman AR, 1970. Nutritional Studies in the Sand Rat (Psammomys obesus). Pahlavi Medical J. 1:228-233.

Maronpot RR, Barsoum IS, and Ezzat E, 1971. Canine Leptospirosis in Cairo. United Arab Republic. The J. of Infectious Diseases. 123:548-550.

Wilson BJ and Maronpot RR, 1971. Causative Fungus Agent of Leukoencephalomalacia in Equine Animals. Vet. Rec. 88:484-486.

Attia MAM, Williams RE, Maronpot RR, El Mour AF, and Moussa MI, 1971. Pathogenicity of Wad Medani Virus to Selected Animals. J. Egypt. Pub. Hlth. Assoc. 46:326-336.

Maronpot RR, 1972. Erythrocyte Glucose-6-phosphate Dehydrogenase and Glutathione Deficiency in Sheep. Can. J. Comp. Med. 36:55-60.

Maronpot RR and Barsoum IS, 1972. Leptospiral Microscopic Agglutinating Antibodies in Sera of Man and Domestic Animals in Egypt. Amer. J. Trop. Med. Hyg. 21:467-472.

Maronpot RR and Botros BAM, 1972. Toxoplasma Serologic Survey in Man and Domestic Animals in Egypt. J. Egypt. Pub. Hlth. Assoc. 47:58-67.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Wilson BJ, Maronpot RR, and Hildebrandt PK, 1973. Equine Leukoencephalomalacia. J. Amer. Vet. Med. Assoc. 163:1293-1295.

Maronpot RR, Michael SA, and Botros BAM, 1974. Blood Parasites in Egyptian Domestic Animals. J. Egypt. Vet. Med. Assoc. 34:301-308.

Botros BAM and Maronpot RR, 1974. Complement-fixing and Indirect Fluorescent Antibodies in Sera of Dogs Experimentally Infected with Babesia Gibsoni. J. Egypt. Vet. Med. Assoc. 34:309-321.

Hoffman D, Raineri R, Hecht S, Maronpot RR, and Wynder EL, 1975. A Study of Tobacco Carcinogenesis. XIV. Effects of N'-nitrosonornicotine and N'-nitrosoanabasine in Rats. JNCI 55:977-981.

Hecht SS, Thorne RL, Maronpot RR, and Hoffman D, 1975. A Study of Tobacco Carcinogenesis. XIII. Tumor Promoting Subfractions of the Weakly Acidic Fraction. JNCI 55:1329-1336.

Hecht SS, Loy M, Maronpot RR, and Hoffmann D, 1976. A Study of Chemical Carcinogenesis: Comparative Carcinogenicity of 5-Methylchrysene, Benzo (a) Pyrene and Modified Chrysenes. Cancer Ltrs. 1:147-153.

Narisawa T, Wong CQ, Maronpot RR, and Weisburger JH, 1976. Large Bowel Carcinogenesis in Mice and Rats by Several Intrarectal doses of Methylnitrosourea and Negative Effect of Nitrite plus Methylurea. Cancer Res. 36:505-510.

Maronpot RR and Chavannes JM, 1977. Dacryoadenitis, Conjunctivitis, and Facial Dermatitis of the Mouse. Lab. Anim. Sci. 27:277.

Anderson LM, Budinger JM, Maronpot RR, and Good RA, 1978. Transplacental Lung Tumorigenesis in the Athymic Mouse. Cancer Res. 38:137-141.

McGee MA and Maronpot RR, 1979. Harderian Gland Dacryoadenitis in Rats Resulting from Orbital Bleeding. Lab. Anim. Sci. 29:639-641.

Burton DS, Maronpot RR, and Howard FL, 1979. Frequency of Hydronephrosis in Wistar Rats. Lab. Anim. Sci. 29:642-644.

Maronpot RR and Peterson LG, 1981. Spontaneous Proteus Nephritis Among Male C3H/HeJ Mice. Lab. Anim. Sci. 31:697-700.

Snellings WM, Maronpot RR, Zelenak JP, and Laffoon CP, 1982. Teratology Study in Fischer 344 Rats Exposed to Ethylene Oxide by Inhalation. Tox. & Appl. Pharmacol. 64:476-481.

Maronpot RR and Boorman GA, 1982. Interpretation of Rodent Hepatocellular Proliferative Alterations and Hepatocellular Tumors in Chemical Safety Assessment. Tox. Path. 10:71-80.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Maronpot RR, Witschi HP, Smith LH, and McCoy JL, 1983. Recent Experience with the Strain A Mouse Pulmonary Tumor Bioassay Model. In Short-Term Bioassays in the Analysis of Complex Environmental Mixtures III. Environ. Sci. Res. 27:341-350.

Dodd DE, Snellings WM, Maronpot RR, and Ballantyne B, 1983. Ethylene Glycol Monobutyl Ether: Acute, 9-day, and 90-day Vapor Inhalation Studies in Fischer 344 Rats. Tox. & Appl. Pharmacol. 68:405-414.

Maronpot RR, Zelenak JP, Weaver EV, and Smith NJ, 1983. Teratogenicity Study of Ethylene Glycol in Rats. Drug & Chem. Toxicol. 6:579-594.

Yang RSH, Garman RH, Maronpot RR, McKelvey JA, Weil CS, and Woodside MD, 1983. Acute and Subchronic Toxicity of Ethylenediamine in Laboratory Animals. Fund. & Appl. Tox. 3:512-520.

Snellings WM, Weil CS, and Maronpot RR, 1984. A Two-Year Inhalation Study of the Carcinogenic Potential of Ethylene Oxide in Fischer 344 Rats. Tox. & Appl. Pharmacol. 75:105-117.

Kluwe WM, Maronpot RR, Greenwell A, Harrington F, 1984. Interactions Between Bromobenzene Dose, Glutathione Concentrations, and Organ Toxicities in Single and Multiple Treatment Studies. Fund. & Appl. Tox. 4:1019-1028.

Snellings WM, Weil CS, and Maronpot RR, 1984. A Subchronic Inhalation Study on the Toxicologic Potential of Ethylene Oxide in B6C3F1 Mice. Tox. & Appl. Pharmacol. 76:510-518.

Agarwal DK, Maronpot RR, Lamb IV JC, and Kluwe WM, 1985. Adverse Effects of Butyl Benzyl Phthalate on the Reproductive and Hematopoietic System of Male Rats. Toxicology 35:189-206.

Choy WN, MacGregor JT, Shelby MD, and Maronpot RR, 1985. Induction of Micronuclei by Benzene in B6C3F1 Mice: Retrospective Analysis of Peripheral Blood Smears from the NTP Carcinogenesis Bioassay. Mutation Res. 143:55-59.

Ghanayem BI, Maronpot RR, and Matthews HB, 1985. Ethyl Acrylate-Induced Gastric Toxicity. I. Effect of Single and Repetitive Dosing. Tox. & Appl. Pharmacol. 80:323-335.

Ghanayem BI, Maronpot RR, and Matthews HB, 1985. Ethyl Acrylate-Induced Gastric Toxicity. II. Structure - Toxicity Relationships and Mechanism. Tox. & Appl. Pharmacol. 80:336- 344.

Garman RH, Snellings WM, and Maronpot RR, 1985. Brain Tumors in F344 Rats Associated with Chronic Inhalation Exposure to Ethylene Oxide . NeuroToxicology 6:117-138.

Lamb JC, Maronpot RR, Gulati DK, Russell VS, Hommel L, and Sabharwal PS, 1985. Reproductive and Developmental Toxicity of Ethylene Glycol in the Mouse. Tox. & Appl. Pharmacol. 81:100-112.

Dieter MP, Maronpot RR, and French JF, 1985. Comparison of the Morphology and Enzyme Activity of Mononuclear Cells From Fischer 344 Rats with Either Spontaneous or Transplanted Leukemia. Cancer Res. 45:4301-4307.

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PUBLICATIONS AND PAPERS: – Continued

Cline JM and Maronpot RR, 1985. Variations in the Histologic Distribution of Rat Bone Marrow Cells with Respect to Age and Anatomic Site. Tox. Path. 13:349-355.

DePass LR, Maronpot RR, and Weil WS, 1985. Dermal Oncogenicity Bioassays of Monofunctional and Multifunctional Acrylates and Acrylate-based Oligomers. J. Tox. and Environ. Hlth. 16:55-60.

DePass LR, Garman RH, Woodside MD, Boyce JT, Giddens WE, Maronpot RR, and Weil CS, 1986. Chronic Toxicity and Oncogenicity Studies of Ethylene Glycol in Rats and Mice. Fund. &. Appl. Tox. 7:547-565.

DePass LR, Woodside MD, Maronpot RR, and Weil CS, 1986. Three-Generation Reproduction and Dominant Lethal Mutagenesis Studies of Ethylene Glycol in the Rat. Fund. & Appl. Tox. 7:566- 572.

Garman RH, Snellings WM, and Maronpot RR, 1986. Frequency, Size and Location of Brain Tumours in F-344 Rats Chronically Exposed to Ethylene Oxide. Fd. Chem. Tox. 24(2):145-153.

Reynolds SH, Stowers SJ, Maronpot RR, Anderson MW, and Aaronson SA, 1986. Detection and Identification of Activated Oncogenes in Spontaneously Occurring Benign and Malignant Hepatocellular Tumors of the B6C3F1 Mouse. Proc. Nat'l. Acad. Sci. 83:33-37.

Klinger W, Devereux T, Maronpot RR, and Fouts J, 1986. Functional Hepatocellular Heterogeneity Determined by the Hepatotoxins Allyl Alcohol and Bromobenzene in Immature and Adult F344 Rats. Tox. & Appl. Pharmacol. 83:108-114.

Maronpot RR, Montgomery CA, Boorman GA, and McConnell EE, 1986. National Toxicology Program Nomenclature for Hepatoproliferative Lesions of Rats. Tox. Path. 14:163-273.

Maronpot RR, Shimkin MB, Smith LH, Witschi HP, and Cline JM, 1986. Strain A Mouse Pulmonary Tumor Test Results for Chemicals Previously Tested in the National Cancer Institute Carcinogenicity Tests. JNCI. 76:1101-1112.

Maronpot RR, Miller RA, Clarke WJ, Westerberg RB, Decker JR, and Moss OR, 1986. Toxicity of Formaldehyde Vapor in B6C3F1 Mice Exposed For 13 Weeks. Toxicology 41:253-266.

Ghanayem BI, Maronpot RR, and Matthews HB, 1986. Association of Chemically Induced Forestomach Cell Proliferation and Carcinogenesis. Cancer Ltrs. 32:271-278.

Ghanayem BI, Maronpot RR, and Matthews HB, 1986. Ethyl Acrylate-Induced Gastric Toxicity. III. Development and Recovery of Lesions. Tox. & Appl. Pharmacol. 83:576-583.

Boorman GA, Hong HL, Jameson CW, Yoshitomi K, and Maronpot RR, 1986. Regression of Methyl Bromide Induced Forestomach Lesions in the Rat. Tox. & Appl. Pharmacol. 86:131-139.

Yoshitomi K, Maronpot RR, Solleveld HA, and Boorman GA, 1986. Forestomach Ulcers in Crj:B6C3 (C57BL/6NCrj x C3H/HeNCrj) F1 Mice. Lab. Anim. Sci. 36(5):501-503.

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PUBLICATIONS AND PAPERS: – Continued

Wilson WE, Hudson PM, Kanamatsu T, Walsh TJ, Tilson HA, Hong JS, Maronpot RR, and Thompson M, 1986. Trimethyltin- Induced Alterations in Brain Amino Acids, Amines and Amine Metabolites: Relationship to Hyperammonemia. NeuroToxicology 7(3):63-74.

Dieter MP, Maronpot RR, and French JE, 1987. Biochemical Markers for Fischer Rat Leukemia in a Cell Transplant Model. Cancer Detection and Prevention 10:425-433.

Ghanayem BI, Matthews HB, and Maronpot RR, 1987. Calcium Channel Blockers Protect Against Ethanol - and Indomethacin- Induced Gastric Lesions in Rats. Gastroenterology 92:106-111.

Miller BE, Chapin RE, Pinkerton KE, Gilmore LB, Maronpot RR, and Hook GER, 1987. Quantitation of Silica-Induced Type II Cell Hyperplasia by Using Alkaline Phosphatase Histochemistry in Glycol Methacrylate Embedded Lung. Exp. Lung Res. 12:135-148.

Maronpot RR, Haseman JK, Boorman GA, Eustis SE, Rao GN, and Huff JE, 1987. Liver Lesions in B6C3F1 Mice: The National Toxicology Program, Experience and Position. Arch. Toxicol. Suppl. 10:10-26.

Mitsumori K, Maronpot RR, and Boorman GA, 1987. Spontaneous Tumors of the Meninges in Rats. Vet. Path. 24:50-58.

Melnick RL, Jameson CW, Goehl TJ, Maronpot RR, Collins BJ, Greenwell A, Harrington FW, Wilson RE, Tomaszewski KE, and Agarwal DK, 1987. Application of Microencapsulation for Toxicology Studies. II. Toxicity of Microencapsulated Trichloroethylene in Fischer 344 Rats. Fund. & App. Tox. 8:432-442.

Maronpot RR, 1987. Ovarian Toxicity and Carcinogenicity in Eight Recent National Toxicology Program Studies. EHP 73:125-130.

Campen DB, Sloop TC, Maronpot RR, and Lucier GW, 1987. Continued Development of Hepatic g-Glutamyltranspeptidase - Positive Foci Upon Withdrawal of 17-a-Ethynylestradiol in Diethylnitrosamine-initiated Rats. Cancer Res. 47:2328-2333.

Stowers SJ, Glover PL, Reynolds SH, Boone LR, Maronpot RR, and Anderson MW, 1987. Activation of the K-*ras* Protooncogene in Lung Tumors from Rats and Mice Chronically Exposed to Tetranitromethane. Cancer Res. 47:3212-3219.

Hsieh LL, Hsiao WL, Peraino C, Maronpot RR, and Weinstein IB, 1987. Expression of Retroviral Sequences and Oncogenes in Rat Liver Tumors Induced by Diethylnitrosamine. Cancer Res. 47:3421-3424.

Belinsky SA, Walker VE, Maronpot RR, Swenberg JA, and Anderson MW, 1987. Molecular Dosimetry of DNA Adduct Formation and Cell Toxicity in Rat Nasal Mucosa Following Exposure to the Tobacco Specific Nitrosamine (N-Methyl-N-nitrosamino)-1-(3-pyridyl)-1-butanone and their Relationship to Induction of Neoplasia. Cancer Res. 47:6058-6065.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Mitsumori K, Dittrich KL, Stefanski S, Talley FA, and Maronpot RR, 1987. Immunohistochemical and Electron Microscopic Study of Meningeal Granular Cell Tumors in Rats. Vet. Path. 24:356-359.

Ghanayem BI, Blair P, Thompson MB, Maronpot RR, and Matthews HB, 1987. Effect of Age on the Toxicity and Metabolism of Ethylene Glycol Monobutyl Ether (2-Butoxyethanol) in Rats. Tox. & Appl. Pharmacol. 91:222-234.

Reynolds SH, Stowers SJ, Patterson RM, Maronpot RR, Aaronson SA, and Anderson MW, 1987. Activated Oncogenes in B6C3F1 Mouse Liver Tumors: Implications For Risk Assessment. Science 237:1309-1316.

Stowers SJ, Maronpot RR, Reynolds SH, and Anderson MW, 1987. The Role of Oncogenes in Chemical Carcinogenesis. EHP 75:81-86.

Pitot HC, Goldsworthy T, Moran S, Kennan W, Glauert H, Maronpot RR, and Campbell HA, 1987. A Method to Quantitate the Relative Initiating and Promoting Potencies of Hepatocarcinogenic Agents in Their Dose-Response Relationships to Altered Hepatic Foci. Carcinogenesis 8:1491-1499.

Goering PL, Maronpot RR, and Fowler BA, 1988. Effect of Intratracheal Gallium Arsenide Administration on d-Aminolevulinic Acid Dehydratase in Rats: Relationship to Urinary Excretion of Aminolevulinic Acid. Toxicol. Appl. Pharmacol. 92:179-193.

Reynolds SH, Stowers, SJ, Patterson RM, Maronpot RR, and Anderson MW, 1988. Oncogene Activation in Spontaneous and Chemically Induced Rodent Tumors: Implications for Risk Analysis. EHP 78:175-177.

Hong HL, Huff JE, Luster MI, Maronpot RR, Dieter MP, Hayes HT, and Boorman GA, 1988. The Effects of Allyl Isovalerate on the Hematopoietic and Immunologic Systems in Rodents. Fund. & Appl. Tox. 10:655-663.

Belinsky SA, Dolan ME, White CM, Maronpot RR, Pegg AE, and Anderson MW, 1988. Cell Specific Differences in O6-Methylguanine- DNA Methyltransferase Activity and Removal of 06-Methylguanine in Rat Pulmonary Cells. Carcinogenesis 9:2053-2058.

Peraino C, Carnes BA, Stevens FJ, Staffeldt EF, Russell JR, Prapuolenis A, Blomquist JA, Vesselinovitch SD, and Maronpot RR, 1988. Comparative Developmental and Phenotypic Properties of Altered Hepatocyte Foci and Hepatic Tumors in Rats. Cancer Res. 48:4171-4178

Germolec DR, Maronpot RR, Ackermann MF, Vore SJ, Dittrich K, Rosenthal GJ, and Luster MI, 1988. Lack of a Relationship Between Immune Function and Chemically Induced Hepatocarcinogenesis in B6C3F1 Mice. Cancer Immunology Immunotherapy 27:121-127.

Maronpot RR, Ulland B, and Mennear J, 1988. Transplantation Characteristics, Morphologic Features, and Interpretation of Preputial Gland Neoplasia in the Fischer-344 Rat. EHP 77:33-36.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Dixon D, Johnson GA, Cofer GP, Hedlund L.W, and Maronpot RR, 1988. Magnetic Resonance Imaging (MRI): A New Tool in Experimental Toxicologic Pathology. Tox. Path. 16:386-391.

Graham MJ, Lucier GW, Linko P, Maronpot RR, Goldstein JA, 1988. Increases in Cytochrome P-450 Mediated 17-b-Estradiol 2- Hydroxylase Activity in Rat Liver Microsomes after both Acute Administration and Subchronic Administration of 2,3,7,8-Tetrachlorodibenzo- p-dioxin in a Twostage Hepatocarcinogenesis Model. Carcinogenesis 9:1935- 1941.

Goldstein JA, Graham MJ, Sloop T, Maronpot RR, Goodrow T, and Lucier GW, 1989. Effects of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) on Estradiol Metabolism, Enzyme-altered Foci in a Two stage Hepatocarcinogenesis Model in Rats. Chemosphere 18:695-700.

Pitot HC, Goodspeed D, Dunn T, Hendrich S, Maronpot RR, and Moran S, 1989. Regulation of the Expression of Some Genes for Enzymes of Glutathione Metabolism in Hepatotoxicity and Hepatocarcinogenesis. Tox. & Appl. Pharmacol. 97:23-34.

You M, Candrian U, Maronpot RR, Stoner GD, and Anderson MW, 1989. Activation of the Ki-*ras* Protooncogene in Spontaneously Occurring and Chemically Induced Lung Tumors of the Strain A Mouse. Proc. Natl. Acad. Sci. 86:3070-3074.

Johnson GA, Thompson MB, Cofer GP, Campen D, and Maronpot RR, 1989. Magnetic Resonance Imaging of Hepatic Neoplasms in the Rat. Vet. Path. 26:303-308.

Farmer THR, Johnson GA, Cofer GP, Maronpot RR, Dixon D, and Hedlund LW, 1989. Implanted Coil MR Microscopy of Renal Pathology. Magnetic Resonance in Medicine. 10:310-323.

Huff JE, Haseman JK, Demarini DM, Eustis S, Maronpot RR, Peters AC, Persing RL, Chrisp CE, and Jacobs AC, 1989. Multiple-Site Carcinogenicity of Benzene in Fischer-344 Rats and B6C3F1 Mice. EHP 82:125-163.

Belinsky SA, Devereux TR, Maronpot RR, Stoner GD, and Anderson MW, 1989. Relationship between the Formation of Promutagenic Adducts and the Activation of the K-*ras* Protooncogene in

Lung Tumors from A/J Mice Treated with Nitrosamines. Cancer Res. 49:5305-5311.

Ulland BM, Maronpot RR, Lemen JK, and Mennear JH, 1989. Transplantation Studies of Preputial Gland and Epithelial Skin Neoplasms Derived from Benzidine-based Dye Carcinogenicity Assays in Fischer 344 Male Rats. Tox. Path. 17:50-56.

Harada T, Maronpot RR, Morris RW, Stitzel KA, and Boorman GA, 1989. Morphological and Stereological Characterization of Hepatic Foci of Cellular Alteration in Control Fischer 344 Rats. Tox. Path. 17:579-593.

Pitot, HC, Campbell, HA, Maronpot R, Bawa N, Rizva TA, Xu Y, Sargent L, Dragan Y, and Pyron M, 1989. Critical Parameters in the Quantitation of the Stages of Initiation, Promotion, and Progression in One Model of Hepatocarcinogenesis in the Rat. Tox. Path. 17:594-612.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Johnson, GA and Maronpot RR, 1989. Magnetic Resonance Microscopy of Chemically-induced Liver Foci. Tox. Path. 17:613-616.

Maronpot RR, Pitot HC, and Peraino C, 1989. Use of Rat Liver Altered Focus Models for Testing Chemicals that have Completed Two-year Carcinogenicity Studies. Tox. Path. 17:651-662.

Maronpot RR, Harada T, Murthy ASK, and Boorman GA, 1989. Documenting Foci of Hepatocellular Alteration in Two-year Carcinogenicity Studies: Current Practices of the National Toxicology Program. Tox. Path. 17:675-684.

Harada T, Maronpot RR, Morris RW, and Boorman GA, 1989. Observations on Altered Hepatocellular Foci in National Toxicology Program Two-year Carcinogenicity Studies in Rats. Tox. Path. 17:690-708.

Reynolds SH, Patterson RM, Mennear JH, Maronpot RR, and Anderson MW, 1990. *Ras* Gene Activation in Rat Tumors Induced by Benzidine Congeners and Derived Dyes. Cancer Res. 50:266-272.

Campen D, Maronpot RR, and Lucier G, 1990. Dose-response Relationships in Promotion of Rat Hepatocarcinogenesis by 17-a-ethinylestradiol. J. Tox. & Environ. Hlth. 29:257-268.

Harada T, Maronpot RR, Morris RW, and Boorman GA, 1990. Effects of Mononuclear Cell Leukemia on Altered Hepatocellular Foci in Fischer 344 Rats. Vet. Path. 27:110-116.

Xu YH, Campbell HA, Sattler GL, Hendrich S, Maronpot R, Sato K, and Pitot HC, 1990. Quantitative Stereological Analysis of the Effects of Age and Sex on Multistage Hepatocarcinogenesis in the Rat by Use of 4 Cytochemical Markers. Cancer Res. 50:472-479.

Xu YH, Maronpot RR, and Pitot HC, 1990. Quantitative Stereologic Study of the Effects of Varying the Time Between Initiation and Promotion on 4 Histochemical Markers in Rat-liver During Hepatocarcinogenesis. Carcinogenesis 11:267-272.

Dieter MP, Jameson CW, Maronpot RR, Langenbach R, and Braun AG, 1990. The Chemotherapeutic Potential of Glycol Alkyl Ethers: Structure- activity Studies of Nine Compounds in a Fischer Rat Leukemia Transplant Model. Cancer Chemo. & Pharmacol. 26: 173-180.

Uraih LC and Maronpot RR, 1990. Normal Histology of the Nasal Cavity and Application of Special Techniques. EHP 85: 187-208.

Maronpot RR, 1990. Pathology Working Group Review of Selected Upper Respiratory Tract Lesions in Rats and Mice. EHP 85: 331-352.

Belinsky SA, Foley JF, White KM, Anderson MW, and Maronpot RR, 1990. Dose-response Relationship Between O6-methylguanine Formation in Clara Cells and Induction of Pulmonary Neoplasia in the Rat by 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Cancer Res. 50: 3772-3780.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Goodrow T, Reynolds S, Maronpot R, and Anderson M, 1990. Activation of K-*ras* by Codon 13 Mutations in C57BL/6 x C3H F1 Mouse Tumors Induced by Exposure to 1,3-butadiene. Cancer Res. 50: 4818-4823.

Harada T, Maronpot RR, Boorman GA, Morris RW, and Stitzel KA, 1990. Foci of Cellular Alteration in the Rat Liver: A Review. Tox. Path. 3:161-188.

Dittrich KL, Smith R, and Maronpot RR, 1990. Stability of Gamma-glutamyltranspeptidase (GGT) in Paraffin Embedded Liver Tissue. The J. of Histotechnology 13:185-187.

Cunningham ML, Foley J, Maronpot RR, and Matthews HB, 1991. Correlation of Hepatocellular Proliferation with Hepatocarcinogenicity Induced by the Mutagenic Noncarcinogen:Carcinogen pair - 2,6- and 2,4-diaminotoluene. Tox. & Appl. Pharmacol. 107:562-567.

Lucier GW, Trischer A, Goldsworthy T, Foley J, Clark G, Goldstein J, and Maronpot RR, 1991. Ovarian Hormones Enhance 2, 3, 7, 8- tetrachlorodibenzo-p-dioxin-mediated Increases in Cell Proliferation and Preneoplastic Foci in a Two-stage Model for Rat Hepatocarcinogenesis. Cancer Res. 51:1391-1397.

Dragan YP, Rizvi T, Xu YH, Hully JR, Bawa N, Campbell HA, Maronpot RR, and Pitot HC, 1991. An Initiation-Promotion Assay in Rat Liver as a Potential Complement to the 2-year Carcinogenesis Bioassay. Fund. & Appl. Tox. 16:525-547.

Dixon D, Horton J, Haseman JK, Talley F, Greenwell A, Nettesheim P, Hook GE, and Maronpot RR, 1991. Histomorphology and Ultrastructure of Spontaneous Pulmonary Neoplasms in Strain A Mice. Exp. Lung Res. 17:131-155.

Foley JF, Anderson MW, Stoner GD, Gaul BW, Hardisty JF, and Maronpot RR, 1991. Proliferative lesions of the Mouse Lung: Progression Studies in Strain A Mice. Exp. Lung Res. 17:157-168.

Belinsky SA, Devereux TR, White CM, Foley JF, Maronpot RR, and Anderson MW, 1991. Role of Clara Cells and Type II cells in the Development of Pulmonary Tumors in Rats and Mice Following Exposure to a Tobacco-specific Nitrosamine. Exp. Lung Res. 17:263-278.

Maronpot RR, Palmiter RD, Brinster RL, and Sandgren EP, 1991. Pulmonary Carcinogenesis in Transgenic Mice. Exp. Lung Res. 17:305-320.

You M, Wang Y, Lineen A, Stoner GD, You L, Maronpot RR, and Anderson MW, 1991. Activation of Protooncogenes in Mouse Lung Tumors. Exp. Lung Res. 17:389-400.

Maronpot RR, 1991. Correlation of Data from the Strain A Mouse Bioassay with Long-term Bioassays. Exp. Lung Res. 17:425-431.

Ghanayem BI, Maronpot RR, and Matthews HB, 1991. Effects of Sulfhydryl Modulation on Ethyl Acrylate-induced Forestomach Toxicity. Tox. Ltrs. 55:215-221.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Blair PC, Thompson MB, Wilson RE, Esber HH, and Maronpot RR, 1991. Correlation of Changes in Serum Analytes and Hepatic Histopathology in Rats Exposed to Carbon Tetrachloride. Tox. Ltrs. 55:149-159.

Hedlund LW, Maronpot RR, Johnson GA, Cofer GP, Mille GM, and Wheeler CT, 1991. Magnetic Resonance Microscopy of Toxic Renal Injury Induced by Bromoethylamine in Rats. Fund. & Appl. Tox. 16:787-797.

Candrian U, You M, Goodrow T, Maronpot RR, Reynolds SH, and Anderson MW, 1991. Activation of Protooncogenes in Spontaneously Occurring non-Liver Tumors from C57BL/6 x C3H F1 Mice. Cancer Res. 51:1148-1153.

Greenwell A, Foley J.F, and Maronpot RR, 1991. An Enhancement Method for Immunohistochemical Staining of Proliferating Cell Nuclear Antigen in Archival Rodent Tissues. Cancer Ltrs. 59:251-256.

Dixon D, Marshall KLE, Greenwell A, Shimizu T, Nettesheim P, and Maronpot RR, 1991. Comparison of Automated and Manual Staining Techniques for the Binding of Wheat Germ Agglutinin (WGA) in Modified B5- and Formalin-fixed Pulmonary Tissue. The J. of Histotechnology 14:149-153.

Maronpot RR, Giles HD, Dykes DJ, and Irwin RD, 1991. Furan-induced Hepatic Cholangiocarcinomas in Fischer 344 Rats. Tox. Path. 19:561-570.

Brown HR, Monticello TM, Maronpot RR, Randall HW, Hotchkiss JR, and Morgan KT, 1991. Proliferative and Neoplastic Lesions in the Rodent Nasal Cavity. Tox. Path. 19:358-372.

Dixon D and Maronpot RR, 1991. Histomorphologic Features of Spontaneous and Chemicallyinduced Pulmonary Neoplasms in B6C3F1 Mice and Fischer 344 Rats. Tox. Path. 19:540-556.

Foley JF, Dietrich DR, Swenberg JA, and Maronpot RR, 1991. Detection and Evaluation of

Proliferating Cell Nuclear Antigen (PCNA) in Rat Tissue by an Improved Immunohistochemical Procedure. The J. of Histotechnology 14:237-241.

Ghanayem BI, Matthews HB, and Maronpot RR, 1991. Sustainability of Forestomach Hyperplasia in Rats Treated with Ethyl Acrylate for 13 Weeks and Regression After Cessation of Dosing. Tox. Path. 19:273-279.

Whitehead Jr. RE, Sugawara O, Maronpot RR, Gladen BC, and Barrett JC, 1992. Detection of Multiple Tumor Suppressor Genes for Syrian Hamster Fibrosarcomas by Somatic Cell Hybridization. Somatic Cell and Molecular Genetics 18:131-142.

Belinsky SA, Devereux TR, Foley JF, Maronpot RR, and Anderson MW, 1992. Role of the Alveolar type-II Cell in the Development and Progression of Pulmonary Tumors Induced by 4-(methylnitrosamino)-1- (3-pyridyl)-1-butanone in the A/J Mouse. Cancer Res. 52:3164-3173.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Lindamood III C, Farnell DR, Giles HD, Prejean JD, Collins JJ, Takahashi K, and Maronpot RR, 1992. Subchronic Toxicity Studies of t-butyl Alcohol in Rats and Mice. Fund. & Appl. Tox. 19:91-100.

You M, Wang Y, Stoner G, You L, Maronpot R, Reynolds S, and Anderson M, 1992. Parental Bias of Ki-*ras* Oncogenes Detected in Lung Tumors from Mouse Hybrids. Proc. Natl. Acad. Sci, USA 89:5804-5808.

Dieter MP, Maronpot RR, Jameson CW, and Ward SM, 1992. The Effects of Iodinated Glycerol, Trichlorfon, and Acetaminophen on Tumor Progression in a Fischer Rat Leukemia Transplant Model. Cancer Detection and Prevention 16:173-183.

Lucier GW, Clark G, Tritscher A, Foley J, and Maronpot R, 1992. Mechanisms of Dioxin Tumor Promotion - Implications for Risk Assessment. Chemosphere 25:177-180.

Xu YH, Dragan YP, Maronpot RR, Goldsworthy TL, and Pitot HC, 1992. Criteria, Mechanisms, and Potency Evaluation for Tumor Promoters: Dioxin as a Model. Chemosphere 25:227-230.

Dragan YP, Xu YH, Goldsworthy TL, Campbell HA, Maronpot RR, and Pitot HC, 1992. Characterization of the Promotion of Altered Hepatic Foci by 2,3,7,8-tetrachlorodibenzo-p-dioxin in the Female Rat. Carcinogenesis 13:1389-1395.

Takahashi K, Maita K, Kuwahara M, Harada T, and Maronpot RR, 1992. Eosinophilic Globule Cells in Mouse MFH-like Sarcomas: Lectin Histochemistry. Virchows Archiv B Cell Pathol. 62:89-95.

Stanley LA, Devereux TR, Foley J, Lord PG, Maronpot RR, Orton TC, and Anderson MW, 1992. Proto-oncogene Activation in Liver Tumors of Hepatocarcinogenesis-resistant Strains of Mice. Carcinogenesis 13:2427-2433.

Anderson MW, Reynolds SH, You M, and Maronpot RR, 1992. Role of Proto-oncogene Activation in Carcinogenesis. EHP 98:13-24.

Cullen JM, Sandgren EP, Brinster RL, and Maronpot RR, 1993. Histologic Characterization of Hepatic Carcinogenesis in Transgenic Mice Expressing SV40 T-antigens. Vet. Path. 30:111-118.

Melnick RL, Huff J, Barrett JC, Maronpot RR, Lucier G, and Portier CJ, 1993. Cell Proliferation and Chemical Carcinogenesis: A Symposium Overview. Molecular Carcinogenesis 7:135-138.

Anderson MW and Maronpot RR, 1993. Editorial: Methylene Chloride-induced Tumorigenesis. Carcinogenesis 14:787-788.

Devereux TR, Foley JF, Maronpot RR, Kari F, and Anderson MW, 1993. *Ras* Proto-oncogene Activation in Liver and Lung Tumors from B6C3F1 Mice Exposed Chronically to Methylene Chloride. Carcinogenesis 14:795-802.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Hegi ME, Soderkvist P, Foley JF, Schoonhoven R, Swenberg JA, Kari F, Maronpot R, Anderson MW, and Wiseman RW, 1993. Characterization of *p53* Mutations in Methylene Chloride-induced Lung Tumors from B6C3F1 Mice. Carcinogenesis 14:803-810.

Foley JF, Tuck PD, Ton TVT, Frost M, Kari F, Anderson M.W, and Maronpot RR, 1993. Inhalation Exposure to a Hepatocarcinogenic Concentration of Methylene Chloride Does Not Induce Sustained Replicative DNA Synthesis in Hepatocytes of Female B6C3F1 Mice. Carcinogenesis 14:811-818.

Kari FW, Foley JF, Seilkop SK, Maronpot RR, and Anderson MW, 1993. Effect of Varying Exposure Regimens on Methylene Chloride-induced Lung and Liver Tumors in Female B6C3F1 Mice. Carcinogenesis 14:819-826.

Chen B, Liu L, Castonguay A, Maronpot RR, Anderson MW, and You M, 1993. Dose-dependent *ras* Mutation Spectra in N- nitrosodiethylamine-induced Mouse Liver Tumors and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone Induced Mouse Lung Tumors. Carcinogenesis 14:1603-1608.

Devereux TR, Belinsky SA, Maronpot RR, White CM, Hegi ME, Patel AC, Foley JF, Greenwell A, and Anderson MW, 1993. Comparison of Pulmonary 06-methylguanine DNA Adduct Levels and Ki*ras* Activation in Lung Tumors from Resistant and Susceptible Mouse Strains. Molecular Carcinogenesis 8:177-185.

Maronpot RR, Foley JF, Takahashi K, Goldsworthy T, Clark G, Tritscher A, Portier C, and Lucier G, 1993. Dose Response for TCDD Promotion of Hepatocarcinogenesis in Rats Initiated with DEN: Histologic, Biochemical, and Cell Proliferation Endpoints. EHP 101:634-642.

Johnson GA, Benveniste H, Black RD, Hedlund LW, Maronpot RR, and Smith BR, 1993. Histology by Magnetic Resonance Microscopy. Magnetic Resonance Quarterly 1993; 9(1):1-30.

Kanno J, Maronpot RR, Takahashi M, Kasuga T, and Hayashi Y, 1993. Regressive and Nonregressive Thyroid Lesions of the Rat Induced by Single Injection of N-bis(2-hydroxypropyl) nitrosamine and Iodine Deficient Diet. Carcinogenesis 14:2389-2396.

Melnick RL, Huff J, Barrett JC, Maronpot RR, Lucier G, and Portier CJ, 1993. Cell Proliferation and Chemical Carcinogenesis: Symposium Overview. EHP 101:3-5.

Goldsworthy TL, Butterworth BE, and Maronpot RR, 1993. Concepts, Labeling Procedures, and Design of Cell Proliferation Studies Relating to Carcinogenesis. EHP 101:59-65.

Foley J, Ton T, Maronpot R, Butterworth B, and Goldsworthy TL, 1993. Comparison of Proliferating Cell Nuclear Antigen to Tritiated Thymidine as a Marker of Proliferating Hepatocytes in Rats. EHP 101:199-205.

Greenwell A, Foley JF, and Maronpot RR, 1993. Detecting Proliferating Cell Nuclear Antigen in Archival Rodent Tissues. EHP 101:207-209.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Kanno J, Foley JF, Kari F, Anderson MW, and Maronpot RR, 1993. Effect of Methylene Chloride Inhalation on Replicative DNA Synthesis in the Lungs of Female B6C3F1 Mice. EHP 101:271-276.

Ghanayem BI, Sanchez IM, Maronpot RR, Elwell MR, and Matthews HB, 1993. Relationship Between the Time of Sustained Ethyl Acrylate Forestomach Hyperplasia and Carcinogenicity. EHP 101:277-280.

Takahashi K, Lindamood III C, and Maronpot RR, 1993. Retrospective Study of Possible a-2mglobulin Nephropathy and Associated Cell Proliferation in Male Fischer 344 Rats Dosed with t-butyl alcohol. EHP 101:281-286.

Herzog CR, Schut HAJ, Maronpot RR, and You M, 1993. *Ras* Mutations in 2-amino-3-methylimidazo[4,5-f]quinoline-induced Tumors from the CDF1 Mouse. Molecular Carcinogenesis 8:202-207.

Cunningham ML, Maronpot RR, Thompson M, and Bucher JR, 1994. Early Responses of the Liver of B6C3F1 Mice to the Hepatocarcinogen Oxazepam: Tox. & Appl. Pharmacol. 124:31-38.

Dixon D, Yoshitomi K, Boorman GA, and Maronpot RR, 1994. "Lipomatous" Lesions of Unknown Cellular Origin in the Liver of B6C3F1 Mice. Vet.. Path. 31:173-182.

Devereux TR, White CM, Sills RC, Bucher JR, Maronpot RR, and Anderson MW, 1994. Low Frequency of H-*ras* Mutations in Hepatocellular Adenomas and Carcinomas and in Hepatoblastomas from B6C3F1 Mice Exposed to Oxazepam in the Diet. Carcinogenesis 15:1083-1087.

Zhou X, Maronpot RR, Mills GI, Cofer GP, Hedlund LW and Johnson GA, 1994: Studies on Bromobenzene-induced Hepatotoxicity Using *in vivo* MR Microscopy with Surgically Implanted RF Coils. Magnetic Resonance in Medicine 31:619-627.

Stanley LA, Blackburn DR, Devereaux S, Foley J, Lord PG, Maronpot RR, Orton TC, and Anderson MW, 1994. *Ras* Mutations in Methylclofenapate-induced B6C3F1 and C57BL/10J Mouse Liver Tumours. Carcinogenesis 15:1125-1131.

Boorman GA, Maronpot RR, and Eustis SL, 1994. Rodent Carcinogenicity Bioassay: Past, Present, and Future. Tox. Path. 22:105-111.

Preston GA, Lang JE, Maronpot RR, and Barrett JC, 1994. Regulation of Apoptosis by Low Serum in Cells of Different Stages of Neoplastic Progression: Enhanced Susceptibility After Loss of a Senescence Gene and Decreased Susceptibility After Loss of a Tumor Suppressor Gene. Cancer Res. 54:4214-4223.

Anna CH, Maronpot RR, Pereira MA, Foley JF, Malarkey DE, and Anderson MW, 1994. *Ras* Protooncogene Activation in Dichloroacetic acid-, Trichloroethylene-,and Tetrachloroethylene-induced Liver Tumors in B6C3F1 Mice. Carcinogenesis 15:2255-2261.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Davis BJ, Maronpot RR, and Heindel JJ, 1994. Di-(2-ethylhexyl) Phthalate Suppresses Estradiol and Ovulation in Cycling Rats. Tox. & Appl. Pharmacol. 128:216-223.

Goodrow TL, Nichols WW, Storer RD, Anderson MW, and Maronpot RR, 1994. Activation of H-*ras* is Prevalent in 1,3-Butadiene-induced and Spontaneously Occurring Murine Harderian Gland Tumors. Carcinogenesis 15:2665-2667.

Hegi ME, Devereux TR, Dietrich WF, Cochran CJ, Lander ES, Foley JF, Maronpot RR, Anderson MW, and Wiseman RW, 1994. Allelotype Analysis of Mouse Lung Carcinomas Reveals Frequent Allelic Losses on Chromosome 4 and an Association Between Allelic Imbalances on Chromosome 6 and K-*ras* activation. Cancer Res. 54:6257-6264.

Devereux TR, Wiseman RW, Kaplan N, Garren S, Foley JF, White CM, Anna C, Watson MA, Patel A, Jarchow S, Maronpot RR, and Anderson MW, 1994. Assignment of a Locus for Mouse Lung Tumor Susceptibility to Proximal Chromosome 19. Mammalian Genome 5:749-755.

Davis LM, Caspary WJ, Sakallah SA, Maronpot R, Wiseman R, Barrett JC, Elliott R, and Hozier JC, 1994. Loss of Heterozygosity in Spontaneous and Chemically induced Tumors of the B6C3F1 Mouse. Carcinogenesis 15:1637-1645.

Sewall CH, Flagler N, Vanden Heuvel JP, Clark GC, Tritscher AM, Maronpot RR, and Lucier GW, 1995. Alterations in Thyroid Function in Female Sprague-Dawley Rats Following Chronic Treatment with 2,3,7,8-tetrachlorodibenzo-p-dioxin. Tox. & Appl. Pharmacol. 132:237-244.

Ton TT, Elwell MR, Morris RW, and Maronpot RR, 1995. Development and Persistence of Placental Glutathione-S-Transferase-positive Foci in Livers of Male F344 Rats Exposed to o-Nitrotoluene. Cancer Ltrs. 95:167-173.

Watson MA, Devereux TR, Malarkey DE, Anderson MW, and Maronpot RR, 1995. H-*ras* Oncogene Mutation Spectra in B6C3F1 and C57BL/6 Mouse Liver Tumors Provide Evidence for TCDD Promotion of Spontaneous and Vinyl Carbamate-initiated Liver Cells. Carcinogenesis 16:1705-1710.

Maronpot RR, Fox T, Malarkey DE, and Goldsworthy TL, 1995. Mutations in the *ras* Protooncogene: Clues to Etiology and Molecular Pathogenesis of Mouse Liver Tumors. Toxicology 101:125-156.

Massey TE, Devereux TR, Maronpot RR, Foley JF, and Anderson MW, 1995. High Frequency of K*ras* Mutations in Spontaneous and Vinyl Carbamate-induced Lung Tumors of Relatively Resistant B6CF1 (C57BL/6J x BALB/cJ) Mice. Carcinogenesis 16:1065-1069.

Takahashi K, Vivano CJ, Elwell MR, Bakewell WE, Kuwahara M, Nakashima N, Blackwell BN, and Maronpot RR, 1995. Bile Duct-specific Lectins, *Dolichos Biflorus* agglutinin and peanut agglutinin, as Probes in Mouse Hepatocarcinogenesis. Laboratory Investigation 73:424-432.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Maronpot RR, Devereux TR, Hegi M, Foley JF, Kanno J, Wiseman R, and Anderson MW, 1995. Hepatic and Pulmonary Carcinogenicity of Methylene Chloride in Mice: A Search for Mechanisms. Toxicology 102:73-81.

Malarkey DE, Devereux TR, Dinse GE, Mann PC, and Maronpot RR, 1995. Hepatocarcinogenicity of Chlordane in B6C3F1 and B6D2F1 Male Mice: Evidence for Regression in B6C3F1 Mice and Carcinogenesis Independent of *ras* Proto-oncogene Activation. Carcinogenesis 16:2617-2625.

Liu J, Phillips KW, Foley JF, and Maronpot RR, 1995. Optimizing *in situ* Hybridization of Lactoferrin mRNA in Mouse Uterine Tissue Using Digoxigenin-labeled RNA Probes. Cell Vision 2:430-434.

Zhou X, Maronpot RR, Hedlund LW, Cofer GP, and Johnson GA, 1995. Detection of Bromobenzene-induced Hepatocellular Necrosis Using Magnetic Resonance Microscopy. Magnetic Resonance in Medicine 34:853-857.

Tritscher AM, Clark GC, Sewall CS, Sills RC, Maronpot R, and Lucier GW, 1995. Persistence of TCDD-induced Hepatic Cell Proliferation and Growth of Enzyme Altered Foci After Chronic Exposure Followed by Cessation of Treatment in DEN Initiated Female Rats. Carcinogenesis 16:2807-2811.

Malarkey DE and Maronpot RR, 1996. Polymerase Chain Reaction and *in situ* Hybridization: Applications in Toxicological Pathology. Tox. Path. 24:13-23.

Goldsworthy TL, Fransson-Steen R, and Maronpot RR, 1996. Importance of and Approaches to Quantification of Hepatocyte Apoptosis. Tox. Path. 24:24-35.

Delnomdedieu M, Hedlund LW, Johnson GA, and Maronpot RR, 1996. Magnetic Resonance Microscopy -- A New Tool for the Toxicologic Pathologist. Tox. Path. 24:36-44.

Portier CJ, Sherman CD, Kohn M, Edler L, Kopp-Schneider A, Maronpot RR and Lucier G, 1996. Modeling the Number and Size of Hepatic Focal Lesions Following Exposure to 2,3,7,8-TCDD. Toxicol. Appl. Pharmacol. 138:20-30.

Maronpot RR. 1996. Editorial. Laboratory Animal Pathology - Emphasis on an Area of Relevance to the Toxicologic Pathologist. Tox. Path. 24: 506.

Mahler JF, Stokes W,Mann PC,Takaoka M and Maronpot RR. 1996. Spontaneous Lesions in Aging FVB/N Mice. Tox. Path. 24: 710-716.

Maronpot RR. 1996. A Symposium Summary and Perspective on Comparative Molecular Biology of Cancer. Tox. Path. 24: 801-804.

Maronpot RR and Boorman GA. 1996. The Contribution of the Mouse in Hazard Identification Studies. Tox. Path. 24: 726-733.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Carthew P, Maronpot RR, Foley J, Edwards, RE and Dorman,BM. 1996. A Method for Determining Whether the Number of Hepatocytes in Rat Liver is Increased after Treatment with the Peroxisome Proliferator Gemfibrozil. J. Appl. Toxicol. 17: 47-51.

Donnelly, PJ, Devereux, TR, Foley, JF, Maronpot, RR, Anderson, MW and Massey, TE. 1996. Activation of K-ras in Aflatoxin B1-Induced Lung Tumors from AC3F1 (A/J x C3H/HeJ) Mice. Carcinogenesis 17: 1735-1740.

Albert, RE, French, JF, Maronpot, R, Spalding, J and Tennant, R. 1996. Mechanisms of Skin Tumorigenesis by contact Sensitizers: The Effect of the corticosteroid Fluocinolone Acetonide on Inflammation and Tumor Induction by 2,4 Dinitro-1-fluorobenzene in the Skin of the TG.AC (v-Haras) Mouse. Environ. Hlth. Persp. 104: 1062-1068.

Kong, L-Y, McMillian, MK, Maronpot, R, Hong, J-S. 1996. Protein tyrosine kinase inhibitors suppress the production of nitric oxide in mixed glia, microglia-enriched or astrocyte-enriched cultures. Brain Res. 729: 102-109.

Davis, BJ, Almekinder, JL, Flagler, N, Travlos, G, Wilson, R, and Maronpot, RR. 1997. Ovarian Luteal Cell Toxicity of Ethylene Glycol Monomethyl Ether and Methoxy Acetic Acid in Vivo and in Vitro. Toxicol. Appl. Pharmacol. 142: 328-337.

Fox, TR, McMillen, PJ, Maronpot, RR and Goldsworthy, TL. 1997. Genomic Instability, as Measured by Microsatellite Alterations, Is Not Associated with Liver Tumor Development in the Genetically Susceptible B6C3F1 Mouse. Toxocol. Appl. Pharmacol. 143: 167-172.

Witschi, H, Espiritu, I, Peake, JL, Wu, K, Maronpot, RR and Pinkerton, KE. 1997. The Carcinogenicity of Environmental Tobacco Smoke. Carcinogenesis 18: 575-586.

Fransson-Steen, R, Goldsworthy, TL, Kedderis, GL and Maronpot, RR. 1997. Furan-induced liver cell proliferation and apoptosis in female B6C3F1 mice. Toxicology 118: 195-204.

Johansson, E, Reynolds, S, Anderson, M and Maronpot, R. 1997. Frequency of Ha-ras-1 Gene Mutations Inversely Correlated with Furan Dose in Mouse Liver Tumors. Mol. Carcinogenesis 18: 199-205.

Romach, EH, Goldsworthy, TL, Maronpot, RR and Fox, TR. 1997. Altered gene expression in spontaneous hepatocellular carcinomas from male B6C3F1 mice. Mol. Carcinogenesis 19: 31-38.

Carthew P, Maronpot RR, Foley JF, Edwards RE, and Nolan BM, 1997. Method for determining whether the number of hepatocytes in rat liver is increased after treatment with the peroxisome proliferator gemfibrozil. J Appl Toxicol. 17: 47-51.

Maronpot RR, 1997. Comments on the medium-term rat liver focus bioassay. Toxicol Pathol. 25: 461.

Witschi H, Espiritu I, Peake JL, Wu K, Maronpot RR, and Pinkerton KE, 1997. The carcinogenicity of environmental tobacco smoke. Carcinogenesis. 18: 575-586.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Kim, T-W, Porter, KL, Foley, JF, Maronpot, RR and Smart, RC. 1997. Evidence that mirex promotes a unique population of epidermal cells that cannot be distinguished by their mutant Haras genotype. Mol. Carcinogenesis 20: 115-124.

Mitsumori, K, Wakana, S, Yamamoto, S, Kodama, Y, Yasuhara, K, kNomura, T, Hayashi, Y and Maronpot, RR. 1997. Susceptibility of Transgenic Mice Carrying Human Prototype c-Ha-ras Gene in a Short-Term Carcinogenicity Study of Vinyl Carbamate and ras Gene Analyses of the Induced Tumors. Molecular Carcinogenesis 20: 298-307.

Witschi, H, Espiritu, I, Maronpot, RR, Pinkerton, KE and Jones, AD. 1997. The Carcinogenic Potential of the Gas Phase of Environmental Tobacco Smoke. Carcinogenesis 18: 2035-2042.

Ton, TT, Foley, JF, Flagler, ND, Gaul, BW and Maronpot, RR. 1997. Feasibility of Administering 5-Bromo-2'-Deoxyuridine (BRDU) in Drinking Water for Labeling S-Phase Hepatocytes in Rats and Mice. Toxicol. Methods 7: 123-136.

Nyska A, Maronpot RR, Eldridge SR, Haseman JK and Hailey JR. 1997. Alteration in Cell Kinetics in Control B6C3F1 Mice Infected with Helicobacter hepaticus. Toxicol. Pathol. 25: 591-596.

Delnomdedieu M, Hedlund LW, Maronpot RR and Johnson GA. 1998. Magnetic Resonance Microscopy and Histopathology: Comparative approach of bromobenzene-Induced Hepatotoxicity in the Rat. Hepatology 27: 526-532.

Nyska A, Leininger JR, Maronpot RR, Haseman JK and Hailey JR. 1998. Effect of Individual Versus Group Caging on the Incidence of Pituitary and Leydig Cell Tumors in F344 Rats: Proposed Mechanism. Med. Hypotheses 50: 525-529.

Enomoto A, Sandgren EP and Maronpot, RR. 1998. Interactive Effects of c-myc and Transforming Growth Factor a Transgenes on Liver Tumor Development in Simian Virus 40 T Antigen Transgenic Mice. Vet. Pathol. 35: 283-291.

Dragan Y, Klaunig J, Maronpot R, and Goldsworthy T, 1998. Mechanisms of susceptibility to mouse liver carcinogenesis. Toxicol Sci. 41: 3-7.

Nyska A, Leininger JR, Maronpot RR, Haseman JK, and Hailey JR, 1998. Effect of individual versus group caging on the incidence of pituitary and Leydig cell tumors in F344 rats: proposed mechanism. Med Hypotheses. 50: 525-529.

Maronpot RR. 1998. The Potential of Genetically Altered Mice as Animal Models for Carcinogen Identification. Toxicol. Pathol. 26: 579-581.

Enomoto A, Sandgren EP and Maronpot RR. 1998. Altered Differentiation of Hepatocytes in a Transgenic Mouse Model of Hepatocarcinogenesis. Toxicol. Pathol. 26: 570-578.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Hailey JR, Haseman JK, Bucher JR, Radovsky AE, Malarkey DE, Miller RT, Nyska A and Maronpot RR. 1998. Impact of Helicobacter hepaticus Infection in B6C3F1 Mice from Twelve National Toxicology Program Two-Year Carcinogenesis Studies. Toxicol. Pathol. 26: 602-611.

Nyska A, Maronpot RR, Long PH, Roycroft JH, Hailey JR, Travlos GS and Ghanayem BI. 1999. Disseminated Thrombosis and Bone Infarction in Female Rats Following Inhalation Exposure to 2-Butoxyethanol. Toxicol. Pathol. 27: 21-28.

Chhabra RS, Maronpot, RR, Bucher, JR, Haseman, JK, Toft, JD and Hejtmancik, MR. 1999. Toxicology and Carcinogenesis Studies of Pentachlorophenol in Rats. Toxicol. Sci. 48: 14-20.

Johnson J, Murray PK and Maronpot RR. 1999. Improved Method for Ultrastructural Preservation of *Saccharomyces cerevisiae* JHY-31-11D. Applied Immunohistochem and Molecular Morphology 7: 81-86.

Goldsworthy SM, Stockton PS, Trempus CS, Foley JF and Maronpot RR. 1999. Effects of Fixation on RNA Extraction and Amplification from Laser Capture Microdissected Tissue. Mol. Carc. 25:86-91.

Nyska A, Haseman JK, Hailey JR, Smetana S and Maronpot RR. 1999. The Association Between Severe Nephropathy and Pheochromocytoma in the Male F344 Rat - The National Toxicology Program Experience. Toxicol. Pathol. 27: 456-462.

Levin S, Bucci TJ, Cohen SM, Fix AS, Hardisty JF, LeGrand EK, Maronpot RR and Trump BF. 1999. The Nomenclature of Cell Death: Recommendations of an ad hoc Committee of the Society of Toxicologic Pathologists. Toxicol. Pathol. 27: 484-490.

Tam AS, Foley JF, Devereux TR, Maronpot RR and Massey TE. 1999. High Frequency and Heterogeneous Distribution of p53 Mutations in Aflatoxin B1-induced Mouse Lung Tumors. Cancer Res. 59: 3634-3640.

Nyska A, Maronpot RR and Ghanayem BI. 1999. Ocular thrombosis and retinal degeneration induced in female F344 rats by 2-butoxyethanol. Human & Experimental Toxicology 18: 577-582.

Witschi H, Espirtu I, Pinkerton KE, Murphy K and Maronpot RR. 1999. Ozone Carcinogenesis Revisited. Toxicol. Sci. 52: 162-167.

Ma J, Qu W, Scarborough PE, Tomer KB, Moomaw CR, Maronpot, R, Davis LS, Breyer MD and Zeldin DC. 1999. Molecular cloning, enzymatic characterization, developmental expression, and cellular localization of a mouse cytochrome P450 highly expressed in kidney. J. Biol. Chem. 274: 17777-17788.

Long PH, Maronpot RR, Ghanayem BI, Roycroft JH and Myska A. 2000. Dental Pulp Infarction in Female Rats Following Inhalation Exposure to 2-Butoxyethanol. Toxicol. Pathol. 28: 246-252.

Maronpot RR. 2000. The use of genetically modified animals in carcinogenicity bioassays. Toxicol. Pathol. 28: 450-453.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Maronpot RR, Mitsumori K, Mann P, Takaoka M, Yamamoto S, Usui T, Okamiya H, Nishikawa S and Nomura T. 2000. Interlaboratory comparison of the CB6F1-Tg rasH2 rapid carcinogenicity testing model. Toxicology 146: 149-159.

Chen XJ, Hedlund LW, Moller HE, Chawla MS, Maronpot RR and Johnson GA. 2000. Detection of emphysema in rat lungs by using magnetic resonance measurements of 3He diffusion. PNAS 97: 11478-11481.

Liomnitski L, Foley JF, Grossman S, Shaul VB, Maronpot RR, Moomaw CR, Carbonatto M and Nyska A. 2000. Effects of apocynin and natural antioxidant from spinach on inducible nitric oxide synthase and cyclooxygenase-2 induction in lipoipolysaccharide-induced hepatic injury in rat. Pharmacology & Toxicology 87: 18-25.

Lomnitski L, Carbonatto M, Ben-Shaul V, Peano S, Conz A, Corradin L, Maronpot RR, Grossman S, and Nyska A, 2000. The prophylactic effects of natural water-soluble antioxidant from spinach and apocynin in a rabbit model of lipopolysaccharide-induced endotoxemia. Toxicol Pathol. 28: 588-600.

Lomnitski L, Nyska A, Ben-Shaul V, Maronpot RR, Haseman JK, Harrus TL, Bergman M, and Grossman S, 2000. Effects of antioxidants apocynin and the natural water-soluble antioxidant from spinach on cellular damage induced by lipopolysaccaride in the rat. Toxicol Pathol. 28: 580-587.

Maronpot RR, Mitsumori K, Mann P, Takaoka M, Yamamoto S, Usui T, Okamiya H, Nishikawa S, and Nomura T, 2000. Interlaboratory comparison of the CB6F1-Tg rasH2 rapid carcinogenicity testing model. Toxicology. 146: 149-159.

Sabo T, Lomnitski L, Nyska A, Beni S, Maronpot RR, Shohami E, Roses AD, and Michaelson DM, 2000. Susceptibility of transgenic mice expressing human apolipoprotein E to closed head injury: the allele E3 is neuroprotective whereas E4 increases fatalities. Neuroscience. 101: 879-884.

Tsao CC, Foley J, Coulter SJ, Maronpot R, Zeldin DC, and Goldstein JA, 2000. CYP2C40, a unique arachidonic acid 16-hydroxylase, is the major CYP2C in murine intestinal tract. Mol Pharmacol. 58: 279-287.

Suwa, T., Nyska, A., Peckham, JC, Hailey, JR, Mahler, JF, Haseman, JK and Maronpot, RR. 2001. A retrospective analysis of background lesions and tissue accountabiity for male accessory sex organs in Fischer-344 rats. Toxicol. Pathol. 29: 467-478.

Suwa, T., Nyska, A, Haseman, JK, Mahler, JF and Maronpot, RR. 2001. Spontaneous lesions in control B6C3F1 mice and recommended section of male accessory sex organs. Toxicol. Pathol. 30:228-234.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Nyska A, Lomnitski L, Maronpot R, Moomaw C, Brodsky B, Sintov A, and Wormser U (2001). Effects of iodine on inducible nitric oxide synthase and cyclooxygenase- 2 expression in sulfur mustard-induced skin. *Arch Toxicol* 74: 768-74.

Qu W, Bradbury JA, Tsao CC, Maronpot R, Harry GJ, Parker CE, Davis LS, Breyer MD, Waalkes MP, Falck JR, Chen J, Rosenberg RL, and Zeldin DC (2001). Cytochrome P450 CYP2J9, a new mouse arachidonic acid omega-1 hydroxylase predominately expressed in brain. *J Biol Chem* 27: 27.

Johnson GA, Cofer GP, Hedlund LW, Maronpot RR and Suddarth SA. 2001. Registered 1H and 3He Magnetic Resonance Microscopy of the Lung. Magnetic Resonance in Med. 45: 365-370.

Hayashi S, Hong HH, Toyoda K, Ton TV, Devereux TR, Maronpot RR, Huff J, and Sills RC (2001). High frequency of ras mutations in forestomach and lung tumors of B6C3F1 mice exposed to 1-amino-2,4-dibromoanthraquinone for 2 years. *Toxicol Pathol* 29: 422-9.

Torres-Munoz J, Stockton P, Tacoronte N, Roberts B, Maronpot RR, and Petito CK (2001). Detection of HIV-1 gene sequences in hippocampal neurons isolated from postmortem AIDS brains by laser capture microdissection. *J Neuropathol Exp Neurol* 60: 885-92.

Tsao C, Coulter SJ, Chien A, Luo G, Clayton N, Maronpot R, Goldstein JA and Zeldin DC. 2001. Identification and localization of five CYP2Cs in murine extrahepatic tissues and their metabolism of arachidonic acid to regio- and stereoselective products. J. Pharmacol. Exp. Therap. 299: 39-47.

Gottschling BC, Maronpot RR, Hailey JR, Peddada S, Moomaw CR, Klaunig JE and Nska A. 2001. The role of oxidative stress in indium phosphide-induced lung carcinogenesis in rats. Toxicol Sci 64: 28-40.

Suwa T, Nyska A, Haseman JK, Mahler JF and Maronpot RR. 2002. Spontaneous lesions in control B6C3F1 mice and recommended sectioning of male accessory sex organs. Toxicol Pathol 30: 228-234.

Ozaki K, Haseman JK, Hailey JR, Maronpot RR and Nyska A. 2002. Association of adrenal pheochhromocytoma and lung pathology in inhalation studies with particulate compounds in the male F344 rat – The National Toxicology Program experience. Toxicol Pathol 30: 263-270.

Nyska A, Dayan A and Maronpot RR. 2002. New tools in therapeutic research – Prostate cancer and models. Toxicol Pathol 30: 283-287.

Okoji RS, Y RC, Maronpot RR and Froines JR. 2002. Sodium arsenite administration via drinking water increases genome-wide and Ha-ras DNA hypomethylation in methyl-deficient C57BL/6J mice. Carcinogenesis 23: 777-785.

Johnson GA, Cofer GP, Fubara B, Gewalt SL, Hedlund LW, and Maronpot RR (2002). Magnetic resonance histology for morphologic phenotyping. *J Magn Reson Imaging* 16: 423-9.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Takahashi M, Dinse GE, Foley JF, Hardisty JF, and Maronpot RR (2002). Comparative prevalence, multiplicity, and progression of spontaneous and vinyl carbamate-induced liver lesions in five strains of male mice. *Toxicol Pathol* 30: 599-605.

Ma J, Bradbury JA, King L, Maronpot R, Davis LS, Breyer MD and Zeldin DC. 2002. Molecular cloning and characterization of mouse CYP2J6, an unstable cytochrome P450 isoform. Biochem Pharmacol 64:1447-1460.

Gallardo-Williams MT, Maronpot RR, Wine RN, Brunssen SH and Chapin RE. 2003. Inhibition of the enzymatic activity of prostate-specific antigen by boric acid and 3-nitrophenyl boronic acid. The Prostate 54:44-49.

Tam AS, Devereux TR, Patel AC, Foley JF, Maronpot RR and Massey TR. 2003. Perturbations of the Ink4a/Arf gene locus in aflatoxin B1-induced mouse lung tumors. Carcinogenesis 24: 121-132.

Ress NB, Hailey JR, Maronpot RR, Bucher JR, Travlos GS, Haseman JK, Orzech DP, Johnson JD and Hejtmancik MR. 2003. Toxicology and carcinogenesis studies of microencapsulated citral in rats and mice. Toxicol Sci 71: 198-206.

Nyska A, Suttie A, Bakshi S, Lomnitski L, Grossman S, Bergman M, Ben-Shaul V, Crocket P, Haseman JK, Moser G, Goldsworthy TL, and Maronpot RR. 2003. Slowing tumorigenic progression in TRAMP mice and prostatic carcinoma cell lines using natural anti-oxidant from spinach, NAO--a comparative study of three anti-oxidants. Toxicol Pathol 31: 39-51.

Gallardo-Williams MT, Maronpot RR, Turner CH, Johnson CS, Harris MW, Jayo MJ, Chapin RE. (2003) Effects of boric acid supplementation on bone histomorphometry, metabolism, and biomechanical properties in aged female F-344 rats. Biol. Trace Element Res. 93: 155-169.

Picut CA, Aoyama H, Holder JW, Gold LS, Maronpot RR and Dixon D. (2003). Bromoethane, chloroethane and ethylene oxide induced uterine neoplasms in B6C3F1 mice from 2-year inhalation bioassyas: pathology and incidence data revisited. Exp Toxic Pathol 55: 1-9.

Gallardo-Williams, M. T., Maronpot, R. R., Wine, R. N., Brunssen, S. H., and Chapin, R. E. (2003). Inhibition of the enzymatic activity of prostate-specific antigen by boric acid and 3-nitrophenyl boronic acid. Prostate 54: 44-9.

Calderon-Garciduenas, L., Maronpot, R. R., Torres-Jardon, R., Henriquez-Roldan, C., Schoonhoven, R., Acuna-Ayala, H., Villarreal-Calderon, A., Nakamura, J., Fernando, R., Reed, W., Azzarelli, B., and Swenberg, J. A. (2003). DNA damage in nasal and brain tissues of canines exposed to air pollutants is associated with evidence of chronic brain inflammation and neurodegeneration. Toxicol Pathol 31, 524-38.

Gallardo-Williams, M. T., Maronpot, R. R., Turner, C. H., Johnson, C. S., Harris, M. W., Jayo, M. J., and Chapin, R. E. (2003). Effects of boric acid supplementation on bone histomorphometry, metabolism, and biomechanical properties in aged female F-344 rats. Biol Trace Elem Res 93, 155-70.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Crissman, J. W., Goodman, D. G., Hildebrandt, P. K., Maronpot, R. R., Prater, D. A., Riley, J. H., Seaman, W. J., and Thake, D. C. (2004). Best practices guideline: toxicologic histopathology. Toxicol Pathol 32, 126-31.

Gallardo-Williams, M. T., Chapin, R. E., King, P. E., Moser, G. J., Goldsworthy, T. L., Morrison, J. P., and Maronpot, R. R. (2004). Boron Supplementation Inhibits the Growth and Local Expression of IGF-1 in Human Prostate Adenocarcinoma (LNCaP) Tumors in Nude Mice. Toxicol Pathol 32, 73-8.

Tani, Y., Maronpot, R. R., Foley, J. F., Haseman, J. K., Walker, N. J., and Nyska, A. (2004). Follicular Epithelial Cell Hypertrophy Induced by Chronic Oral Administration of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin in Female Harlan Sprague-Dawley Rats. Toxicol Pathol 32, 41-9.

Hamadeh, H. K., Jayadev, S., Gaillard, E. T., Huang, Q., Stoll, R., Blanchard, K., Chou, J., Tucker, C. J., Collins, J., Maronpot, R., Bushel, P., and Afshari, C. A. (2004). Integration of clinical and gene expression endpoints to explore furan-mediated hepatotoxicity. *Mutat Res* 549, 169-83.

Herzog, C. R., Bodon, N., Pittman, B., Maronpot, R. R., Massey, T. E., Anderson, M. W., You, M., and Devereux, T. R. (2004). Carcinogen-specific targeting of chromosome 12 for loss of heterozygosity in mouse lung adenocarcinomas: implications for chromosome instability and tumor progression. *Oncogene* 23, 3033-9.

Maronpot, R. R., Flake, G., and Huff, J. (2004). Relevance of animal carcinogenesis findings to human cancer predictions and prevention. *Toxicol Pathol* 32 Suppl 1, 40-8.

Nikitin, A. Y., Alcaraz, A., Anver, M. R., Bronson, R. T., Cardiff, R. D., Dixon, D., Fraire, A. E., Gabrielson, E. W., Gunning, W. T., Haines, D. C., Kaufman, M. H., Linnoila, R. I., Maronpot, R.

R., Rabson, A. S., Reddick, R. L., Rehm, S., Rozengurt, N., Schuller, H. M., Shmidt, E. N., Travis, W. D., Ward, J. M., and Jacks, T. (2004). Classification of proliferative pulmonary lesions of the mouse: recommendations of the mouse models of human cancers consortium. *Cancer Res* 64, 2307-16.

Nyska, A., Haseman, J. K., Kohen, R., and Maronpot, R. R. (2004). Association of liver hemangiosarcoma and secondary iron overload in B6C3F1 mice--the National Toxicology Program experience. *Toxicol Pathol* 32, 222-8.

Allen, D. G., Pearse, G., Haseman, J. K., and Maronpot, R. R. (2004). Prediction of rodent carcinogenesis: an evaluation of prechronic liver lesions as forecasters of liver tumors in NTP carcinogenicity studies. *Toxicol Pathol* 32, 393-401.

Sills, R., Morgan, D., Herr, D., Little, P., George, N., Ton, T., Love, N., Maronpot, R., and Johnson, G. (2004). Contribution of Magnetic Resonance Microscopy in the 12-Week Neurotoxicity Evaluation of Carbonyl Sulfide in Fischer 344 Rats. *Toxicol Pathol* 32, 501-510.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Stumpo, D. J., Byrd, N. A., Phillips, R. S., Ghosh, S., Maronpot, R. R., Castranio, T., Meyers, E. N., Mishina, Y., and Blackshear, P. J. (2004). Chorioallantoic fusion defects and embryonic lethality resulting from disruption of Zfp36L1, a gene encoding a CCCH tandem zinc finger protein of the Tristetraprolin family. *Mol Cell Biol* 24, 6445-55.

Calderon-Garciduenas, L., Reed, W., Maronpot, R. R., Henriquez-Roldan, C., Delgado-Chavez, R., Calderon-Garciduenas, A., Dragustinovis, I., Franco-Lira, M., Aragon-Flores, M., Solt, A. C., Altenburg, M., Torres-Jardon, R., and Swenberg, J. A. (2004). Brain inflammation and Alzheimer's-like pathology in individuals exposed to severe air pollution. *Toxicol Pathol* 32, 650-8.

Maronpot, R. R., Sills, R. C., and Johnson, G. A. (2004). Applications of magnetic resonance microscopy. *Toxicol Pathol* 32 Suppl 2, 42-8.

Morgan, D. L., Little, P. B., Herr, D. W., Moser, V. C., Collins, B., Herbert, R., Johnson, G. A., Maronpot, R. R., Harry, G. J., and Sills, R. C. (2004). Neurotoxicity of carbonyl sulfide in F344 rats following inhalation exposure for up to 12 weeks. *Toxicol Appl Pharmacol* 200, 131-45.

Moyer, C., Allen, D., Basabe, A., Maronpot, R. R., and Nyska, A. (2004). Analysis of vascular endothelial growth factor (VEGF) and a receptor subtype (KDR/flk-1) in the liver of rats exposed to riddelliine: a potential role in the development of hemangiosarcoma. *Exp Toxicol Pathol* 55, 455-65.

Yamamoto, Y., Moore, R., Goldsworthy, T. L., Negishi, M., and Maronpot, R. R. (2004). The orphan nuclear receptor constitutive active/androstane receptor is essential for liver tumor promotion by phenobarbital in mice. *Cancer Res* 64, 7197-200.

Zhou, T., Jia, X., Chapin, R. E., Maronpot, R. R., Harris, M. W., Liu, J., Waalkes, M. P., and Eddy, E. M. (2004). Cadmium at a non-toxic dose alters gene expression in mouse testes. *Toxicol Lett* 154, 191-200.

Malarkey, D.E., Johnson, K., Ryan, L., Boorman, G. and Maronpot, R. R. (2005). New Insights into Functional Aspects of Liver Morphology. Toxicol. Pathol.. 33: 27-34.

Malarkey, D.E., Parker, J.S., Turman, C.A., Scott, A.M., Paules, R.S., Collins, J. and Maronpot, R. R. (2005). Microarray Data Analysis of Mouse Neoplasia. Toxicol. Pathol. 33: 127-135.

Suttie, A. W., Dinse, G. E., Nyska, A., Moser, G. J., Goldsworthy, T. L., and Maronpot, R. R. (2005). An investigation of the effects of late-onset dietary restriction on prostate cancer development in the TRAMP mouse. *Toxicol Pathol* 33, 386-97.

Tani, Y., Suttie, A., Flake, G. P., Nyska, A., and Maronpot, R. R. (2005). Epithelial-stromal tumor of the seminal vesicles in the transgenic adenocarcinoma mouse prostate model. *Vet Pathol* 42, 306-14.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Witschi, H., Espiritu, I., and Maronpot, R. R. (2005). Lung tumors in 2 year old strain A/J mice exposed for 6 months to tobacco smoke. *Cancer Lett.*Tam, N. N., Nyska, A., Maronpot, R. R., Kissling, G., Lomnitski, L., Suttie, A., Bakshi, S., Bergman, M., Grossman, S., and Ho, S. M. (2006). Differential attenuation of oxidative/nitrosative injuries in early prostatic neoplastic lesions in TRAMP mice by dietary antioxidants. *Prostate* 66, 57-69.

Yamamoto, Y., Moore, R., Hess, H. A., Guo, G. L., Gonzalez, F. J., Korach, K. S., Maronpot, R. R., and Negishi, M. (2006). Estrogen receptor alpha mediates 17alpha -ethynylestradiol-causing hepatotoxicity. *J Biol Chem* 281:16625-31.

Johnson, K., Ryan, L., Davis, J., Elmore, A., Guenther, B., Marcus, J., and Maronpot, R. R. (2006). Application of magnetic resonance imaging in developmental neurotoxicity testing: a pilot study. *Neurotoxicology* 27, 846-51.

Cardiff, R. D., Anver, M. R., Boivin, G. P., Bosenberg, M. W., Maronpot, R. R., Molinolo, A. A., Nikitin, A.Y., Rehg, J. E., Thomas, G. V., Russell, R. G., and Ward, J. M. (2006). Precancer in mice: animal models used to understand, prevent, and treat human precancers. *Toxicol Pathol* 34, 699-707.

Maronpot, R. R. (2006). A monograph on histomorphologic evaluation of lymphoid organs. *Toxicol Pathol* 34, 407-8.

Maronpot, R. R. (2006). Enhanced histopathology of lymphoid tissues. *Toxicol Pathol* 34, 631-3.

Phillips, J. M., Yamamoto, Y., Negishi, M., Maronpot, R. R. and Goodman, J. I. (2007) Orphan nuclear receptor constitutive active/androstane receptor-mediated alterations in DNA methylation during phenobarbital promotion of liver tumorigenesis. *Toxicol Sci.* 96: 72-82.

Guindon, K. A., Foley, J. F., Maronpot, R. R., and Massey, T. E. (2008). Failure of catalase to protect against aflatoxin B(1)-induced mouse lung tumorigenicity. *Toxicol Appl Pharmacol* **227**, 179-83.

Dixon, D., Herbert R. A., Kissling, G.E., Brix, A.E., Miller, R.A. and Maronpot, R. R. (2008) Summary of chemically induced pulmonary lesions in the National Toxicology Program (NTP) Toxicology and Carcinogenesis Studies. Toxicol Pathol 36: 428-39.

Calderon-Garciduenas, L., Mora-Tiscareno, A., Ontiveros, E., Gomez-Garza, G., Barragan-Mejia, G., Broadway, J., Chapman, S., Valencia-Salazar, G., Jewells, V., Maronpot, R. R., Henriquez-Roldan, C., Perez-Guille, B., Torres-Jardon, R., Herrit, L., Brooks, D., Osnaya-Brizuela, N., Monroy, M. E., Gonzalez-Maciel, A., Reynoso-Robles, R., Villarreal-Calderon, R., Solt, A. C., and Engle, R. W. (2008). Air pollution, cognitive deficits and brain abnormalities: A pilot study with children and dogs. Brain Cogn. 68(2): 117-27.

Murkunde, Y.V., Vijayamumar, K.S., Hemalatha, K., Maronpot, R.R., Herbert, R.A., Armstrong, J.M. and Wells, M.Y. (2008) Brain Lesion in a Wistar Rat. Lab Animal 37(9): 401-4.

ROBERT R. MARONPOT, DVM, MS, MPH

PUBLICATIONS AND PAPERS: – Continued

Calderon-Garciduenas, L., Macias-Parra, M., Hoffmann, H. J., Valencia-Salazar, G., Henriquez-Roldan, C., Osnaya, N., Monte, O. C., Barragan-Mejia, G., Villarreal-Calderon, R., Romero, L., Granada-Macias, M., Torres-Jardon, R., Medina-Cortina, H., and Maronpot, R. R. (2009). Immunotoxicity and environment: Immunodysregulation and systemic inflammation in children. Toxicol Pathol 37, 161-169.

Moser, G. J., Foley, J., Burnett, M., Goldsworthy, T. L., and Maronpot, R. (2009). Furan-induced dose-response relationships for liver cytotoxicity, cell proliferation, and tumorigenicity (furan-induced liver tumorigenicity). Exp Toxicol Pathol 61, 101-111.

Calderon-Garciduenas, L., Franco-Lira, M., Henriquez-Roldan, C., Osnaya, N., Gonzalez-Maciel, A., Reynoso-Robles, R., Villarreal-Calderon, R., Herritt, L., Brooks, D., Keefe, S., Palacios-Moreno, J., Torres-Jardon, R., Medina-Cortina, H., Delgado-Chavez, R., Aiello-Mora, M., Maronpot, R. R., and Doty, R. L. (2009). Urban air pollution: Influences on olfactory function and pathology in exposed children and young adults. Exp Toxicol Pathol. Epub 2009/03/20

BOOK CHAPTERS/FASCICLES:

Maronpot RR, 1985. Considerations in the Evaluation and Interpretation of Long-Term Animal Bioassays for Carcinogenicity. In: Handbook of Carcinogen Testing. Noyes Pub, NJ, pp. 372-382.

Mennear J, Maronpot R, Boorman G, Eustis S, Huff J, Haseman J, McConnell E, Ragan H, and Miller R, 1986. Toxicologic and Carcinogenic Effects of Inhaled Tetrachloroethylene in Rats and Mice. In: New Concepts and Developments in Toxicology. Chambers P L, Gehring P, and Sakai F, eds. pp. 201-210.

Maronpot RR, 1986. Spontaneous Hydronephrosis in the Rat. In: ILSI Monograph on Pathology of Laboratory Animals - Urinary System. Springer-Verlag, NY, pp. 268-271.

Anderson MW, Maronpot RR, and Reynolds SH, 1988. Role of Oncogenes in Chemical Carcinogenesis: Extrapolation from Rodents to Humans. In: Detection Methods for DNA-Damaging Agents in Men: Applications in Cancer Epidemiology and Prevention. Bartsch H, et al., eds. IARC Scientific Publication #89, Oxford Univ. Press, pp. 477-485.

Mitsumori K, Dittrich KL, Stefanski S, and Maronpot RR, 1988. Benign and Malignant Neoplasms, Meninges, Rat. In: ILSI Monograph on Pathology of Laboratory Animals - Nervous System. Springer-Verlag, NY, pp. 108-117.

Maronpot RR, 1990. Tumors of the Liver. In: Atlas of Tumor Pathology of the Fischer Rat. CRC Press, pp. 193-220.

Belinsky SA, Walker VE, Uraih LC, Maronpot RR, Swenberg JA, and Anderson MW, 1990. Role of DNA Adduct Formation and Cell Proliferation in the Induction of Nasal Tumors in the Rat by the Tobacco Specific Carcinogen 4-(N-methyl-N-nitrosamino)-1- (3-pyridyl)-1-butanone. In: Nasal Carcinogenesis in Rodents: Relevance to Human Health Risk. Pudoc Wageningen, Netherlands, pp. 146-151.

ROBERT R. MARONPOT, DVM, MS, MPH

BOOK CHAPTERS/FASCICLES: – Continued

You M, Reynolds SH, Maronpot RR, Stoner GD, and Anderson MW 1990. Activated Oncogenes in Rodent and Human Lung Tumors. In: Biology, Toxicology, and Carcinogenesis of Respiratory Epithelium. Thomassen DG and Nettesheim P, eds. Hemisphere Publishing Co., NY, pp. 271-287.

Maronpot RR, 1991. Chemical Carcinogenesis. In: Handbook of Toxicologic Pathology. Haschek W and Rosseaux CG, eds. Academic Press, NY, pp. 99-129.

Swenberg JA and Maronpot RR, 1991. Chemically Induced Cell Proliferation as a Criterion in Selecting Doses for Long-term Bioassays. In: Chemically Induced Cell Proliferation: Implications for Risk Assessment . Butterworth BE, Slaga TJ, Farland W, and McClain M, eds. Vol. 369 of Progress in Clinical and Biological Research. Willy-Liss, Inc., NY, pp. 245-251.

Ghanayem BI, Maronpot RR, and Matthews HB, 1991. Role of Chemically Induced Cell Proliferation in Ethyl Acrylate-induced Forestomach Carcinogenesis. In: Chemically Induced Cell Proliferation: Implications for Risk Assessment. Butterworth BE, Slaga TJ, Farland W, and McClain M, eds. Vol. 369 of Progress in Clinical and Biological Research. Willy-Liss, Inc., NY, pp. 337-346.

Frantz JD, Betton G, Cartwright ME, Crissman JW, Macklin AW, and Maronpot RR, 1991. Proliferative Lesions of the Non-glandular and Glandular Stomach in Rats. In: Guides for Toxicologic Pathology. STP/ARP/AFIP, Washington, DC, pp. 1-20.

Clark G, Tritscher A, Maronpot R, Foley J, and Lucier G, 1991. Tumor Promotion by TCDD in Female Rats. In: Banbury Report 35 - Biological Basis for Risk Assessment of dioxins and Related Compounds. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, pp. 389-404.

Anderson M, Stanley L, Devereux T, Reynolds S, and Maronpot R, 1992. Oncogenes in Mouse Liver Tumors. In: Comparative Molecular Carcinogenesis. Klein-Szanto AJP, Anderson MS, Barrett JC, and Slaga TJ, eds. Wiley-Liss, Inc., NY, pp. 187-201.

Johnson GA, Benveniste H, Black RR, Cofer GP, Gewalt SL, Hedlund LW, Maronpot RR, and Suddarth SA, 1992. MR Microscopy of Disease Models. In: Magnetic Resonance Microscopy: Methods and Applications in Materials Science and Biomedicine. Blumich B and Kuhn W, eds. VHC, NY, pp. 501-511.

Dixon D and Maronpot RR, 1994. Tumours of the Pancreas. In: Pathology of Tumours in Laboratory Animals, Vol. 2. Tumours of the Mouse. IARC Publications, Lyon, pp. 281-303.

Goodman DG, Maronpot RR, Newberne PN, Popp JA, and Squire RA, 1994. Proliferative and Selected Other Lesions in the Liver of Rats. In: Guides for Toxicologic Pathology. STP/ARP/AFIP, Washington, DC, pp. 1-24.

Maronpot RR, Anna CH, Devereux TR, Lucier GW, Butterworth BE, and Anderson MW, 1995. Considerations Concerning the Murine Hepatocarcinogenicity of Selected Chlorinated Hydrocarbons. In: Implications for Risk Assessment. Wiley-Liss, Inc., NY, pp. 305-323.

ROBERT R. MARONPOT, DVM, MS, MPH

BOOK CHAPTERS/FASCICLES: – Continued

Davis BJ and Maronpot RR, 1996. Chemically Associated Toxicity and Carcinogenicity of the Ovary. In: Cellular and Molecular Mechanisms of Hormonal Carcinogenesis. Environmental Influences. Huff J, Boyd J, and Barrett JC, eds. Wiley-Liss, NY, pp. 285-308.

Kanno J, Ward JM, and Maronpot RR, 1996. Mechanisms of Chemically Induced Thyroid Follicular Carcinogenesis. In: Cellular and Molecular Mechanisms of Hormonal Carcinogenesis. Environmental Influences. Huff J, Boyd J, and Barrett JC, eds. Wiley-Liss, NY, pp. 353-398.

Devereux TR, Malarkey DE and Maronpot, RR. 1996. The contribution of rodent liver and lung carcinogenesis models to our knowledge of the cancer latent period. In Maltoni, C. (ed) , *The Scientific Bases of Cancer Chemoprevention.* Elsevier Publications, Amsterdam, Netherlands. pp. 45-59.

Harada, T, Maronpot, RR, Enomoto, A, Tamano, S and Ward, JM. 1996. Changes in the liver and gallbladder. In: Pathobiology of the Aging Mouse. Volume 2. Mohr, U, Dungworth, DL, Capen, CC, Carlton, WW, Sundberg, JP and Ward, JM (Eds). ILSI Press, Washington, DC. pp: 207-241.

Maronpot, RR. 1998. Chemical Carcinogenesis. In: Fundamentals of Toxicologic Pathology. Haschek, WM and Rousseaux, CG (Eds). Academic Press, New York. pp. 15-35.

Maronpot, RR. 1998. Carcinogenesis. In: Encyclopedia of Toxicology. Wexler, P. (Ed.). Academic Press, Ney York. pp. 246-268.

Nyska A and Maronpot RR. 1999. Adrenal gland. In: Pathology of the Mouse. Maronpot RR, Boorman GA and Gaul BW (Eds.). Cache River Press, Vienna, IL. pp. 509-536.

Harada T, Enomoto A, Boorman GA and Maronpot RR. 1999. Liver and gallbladder. . In: Pathology of the Mouse. Maronpot RR, Boorman GA and Gaul BW (Eds.). Cache River Press, Vienna, IL. pp. 119-184.

Mastroides S and Maronpot RR (2002) Carcinogenesis. In: Handbook of Toxicologic Pathology. 2nd Edition.Haschek WM, Russeaue CG and Wallig MA (Eds). Academic Press, San Diego. pp. 83-122.

Malarkey DE and Maronpot RR (2005) Carcinogenesis. In: Encyclopedia of Toxicology. 2nd Edition. Wexler, P (Ed). Elsevier, New York. pp. 445-466.

CO-EDITED SYMPOSIA PROCEEDINGS:

Alison R and Maronpot RR, 1987. Comparative Ovarian Pathology. EHP 73:3-130.

Maronpot RR and Stitzel KA, 1989. Significance of Foci of Cellular Alteration in the Rat Liver. Tox. Path. 17, No. 4 (Part 1), 557-735.

Uraih LC, Morgan KT, and Maronpot RR, 1990. Symposium on Toxicologic Pathology of the Upper Respiratory System. EHP 85:161-352.

ROBERT R. MARONPOT, DVM, MS, MPH

EDITED BOOKS:

Maronpot RR, Boorman GA and Gaul BW. 1999. Pathology of the Mouse. Cache River Press, Vienna, Va. 699 pages.

Pathology of Genetically Engineered Mice. 2000. Ward, JM, Mahler, JF, Maronpot, RR,Sundberg, JP (Eds). Iowa State University Press, Ames, Iowa. pp. 394.

EDITED MONOGRAPHS:

Guest Editor for A Monograph on Histomorphologic Evaluation of Lymphoid Organs (2006). Toxicol Pathol 34 (5): 407-696.

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