CURRICULUM VITAE

BIOGRAPHICAL SKETCH

Dr. LeBlanc is a Professor and Head of the Department of Environmental & Molecular Toxicology, North Carolina State University. Dr. LeBlanc maintains as active research program in environmental endocrine toxicology. This research involves elucidating processes that contribute to the endocrine regulation of reproduction and development and their disruption by environmental agents. Dr. LeBlanc's research also has been instrumental in developing modeling approaches for evaluating the toxicity of complex chemical mixtures. Dr. LeBlanc has published over 140 research articles and 16 text book chapters in toxicology. He has served on numerous federal and international science advisory committees, panels, and boards, including serving as chairman of the USEPA Endocrine Disruptors Methods Validation Advisory Committee and currently serving as a permanent member of the FIFRA EPA Science Advisory Panel. He also has served as session chair and keynote speaker for several national and international scientific symposia, and as an Associate Editor or Editorial Board Member for several scientific journals.

RESUME

Name:	Gerald A. LeBlanc
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Email	ga_leblanc@ncsu.edu
Date of Birth:	September 16, 1953
Place of Birth:	New Bedford, Massachusetts

Education:

1975 B.S.	University of Massachusetts, North Dartmouth, Massachusetts (Biology)
1981 M.A.	Bridgewater State College, Bridgewater, Massachusetts (Biology)
1986 Ph.D.	University of South Florida, Tampa, Florida (Biology)
1986-1989	Post-doctoral training, Harvard Medical School, Boston, Massachusetts (Biochemistry & Molecular Toxicology)

Professional Positions:

1989-present	Assistant/Associate/Full Professor (Director of the Environmental Program, 1995-2007; Assistant Director, NIEHS Training Grant in Biochemical and Environmental Toxicology, 2003-2009; Director of Graduate Programs, 1998-2002; Assistant Department Head, 2000-2002, Department Head, 2006-present), Department of Environmental & Molecular Toxicology, North Carolina State University, Raleigh, North Carolina
1986-1989	Research Fellow, Department of Biological Chemistry & Molecular Pharmacology and Dana-Farber Cancer Institute, Harvard Medical School, Boston, Massachusetts
1983-1986	Research Associate, University of South Florida, Tampa, Florida
1980-1983	Director of Aquatic Toxicology, EG&G Bionomics, Wareham, Massachusetts
1975-1980	Aquatic Toxicologist, EG&G Bionomics, Wareham, Massachusetts

Scientific Recognition and Leadership:

1985 Sigma Xi award for outstanding research

1985 Florida Academy of Sciences award for outstanding research

1986 Florida Academy of Sciences award for outstanding research

1986 NIH postdoctoral fellowship

1987 Richard A. Smith award for outstanding research contributions to the Dana-Farber Cancer Institute, Harvard Medical School

1989 Member, Editorial Review Board for the journal *Drug Metabolism and Disposition*

1990 Member, National Institutes of Health Special Review Committee, NIGMS

1991 Member, National Institutes of Environmental Health Sciences, Small Business Grants Review Committee

1995 Awarded tenure at North Carolina State University

1995 Member, External Advisory Committee for DOE grant *Hazardous Materials in Aquatic Environments of the Mississippi River Basin*, Center for Bioenvironmental Research, Tulane University

1995 Editor, *Reviews in Toxicology, Series B - Environmental Toxicology*

1997 Member, Editorial Board: *Oncology Reports*

1997 Scientific Advisor, website *Environmental Concepts Made Easy*

1998 Section Chairman, SETAC North America/Europe workshop on Endocrine Disruptors in Invertebrates, Amsterdam, The Netherlands

2001 Associate Editor-Endocrinology, *Journal of Experimental Zoology*

2002 Member, National Advisory Council for Environmental Policy and Technology, EDMVS subcommittee

2002 Adjudicator, D.Sci. candidate, Lancaster University, UK.

2002 Adjudicator, Ph.D. candidate, Nagarjuna University, India

2003 Ad hoc member, FIFRA National Science Advisory Panel on the developmental toxicity of atrazine to frogs

2003 Member, Editorial Board, *Aquatic Toxicology*

2003 Guest Editor, *Marine Environmental Research*

2003 Co-Chair, Endocrine Toxicology Section, PRIMO 12 international meeting, St. Petersburg, FL

2003 Member, Review Panel, Swiss National Science Foundation, National Research Program "Endocrine Disruptors: Relevance to Humans, Animals and Ecosystems"

2003 External Advisor, promotion committee, US Environmental Protection Agency

2004 Co-Chair, Symposium: Steroid Inactivation: Alternative mechanism of endocrine toxicity. Society of Toxicology meeting, Baltimore, MD

2004 Member, Program Review Panel, Centre for Ecology & Hydrology, Natural Environment Research Council, UK

2005 Chairman, US EPA Endocrine Disruptor Methods Validation Advisory Committee

2005 Member, Program Review Panel, Centre for Ecology & Hydrology, Natural Environment Research Council, UK

2005 Faculty, Environmental Signaling Network, Tulane University

2005 Faculty, Envirovet, University of Illinois

2006 Featured research article in *Faculty of 1000*

2006 Member, Expert Panel, Hazards of Bisphenol A to Humans and the Environment, NIEHS

2007 Member, Expert Panel, Health Consequences of Drinking Water Contamination at Camp Lejeune, NC, University of North Carolina, Wilmington, NC

2007 Ad hoc member, FIFRA National Science Advisory Panel on the potential for atrazine to affect amphibian gonadal development

2008 Member, Executive Committee, Research Triangle Environmental Health Collaborative

2008 Member, Duke University Center for the Environmental Implications of Nanotechnology

2009 Advisor, Detailed Review Paper on Molluscan Life-Cycle Toxicity Testing. OECD Conceptual Framework for the Assessment of Endocrine Disruptors

2010 Permanent Member, FIFRA-USEPA Science Advisory Panel

2010 Associate Editor, *Ecotoxicology and Environmental Safety*

2011 Executive Committee Member and Session Chair, PRIMO 16 Conference, Long Beach, CA

2012 Member, National Research Council panel on the protection of endangered species from pesticide exposure

Memberships:

1981-present	Society of Environmental Toxicology and Chemistry
1990-present	Society of Toxicology, North Carolina Chapter
1990-present	Society of Toxicology
1991-present	Society of Environmental Toxicology and Chemistry, Carolinas Chapter

Consulting Activities:

1991	Expert witness in litigation involving environmental contamination by dioxins
1992	Consultant in litigation involving contamination of ground water with gasoline
1994	Expert witness in litigation involving industrial exposure to chemical carcinogens
1995	Consultant in litigation involving contamination of the California Bight with DDT
2000	Consultant in litigation involving the health consequences of combined exposure to cigarette smoke and asbestos
2000	Consultant in litigation involving lung disease and multiple airborne contaminants
2009-11	Consultant on toxicity of fuel oxygenates
2010-11	Lead Expert Consultant on the drafting of a Detailed Review Paper on assay methods for evaluating endocrine toxicity of chemicals

Courses Taught:

1) 1991-2006 TOX 715 Environmental Toxicology (coordinator and lecturer)
2007-present (lecturer)

2) 1990-2008 TOX 710 Biochemical Toxicology (lecturer)

3) 1994-present TOX 701 General Toxicology (lecturer)

4) 1992 TOX 590H Environmental Contamination (coordinator and lecturer)

5) 1992-1995 TOX 590F Chemicals, the Environment, and Health (lecturer)

6) 1990-2002 VMS 590 Principles of Pharmacology (lecturer)

7) 1995-present TOX 590B Responsibility in Science (lecturer)

8) 1995-1996 BO 590S Secondary Plant Metabolites (lecturer)

9) 1998 CS 727 Pesticide Behavior and Fate in the Environment (lecturer)

10) 2002-2003 ALS 398H Honors Seminar (coordinator and lecturer)

RESEARCH PROGRAM

Research Interests:

Environmental endocrine toxicology; hazard assessment involving complex systems and global change

Publications:

1. Bentley R.E., LeBlanc G.A., Hollister T.A., and Sleight B.H. III. 1976. Laboratory evaluation of the toxicity of nitrocellulose to aquatic organisms. Contract # DAMD-17-74-C-401, U.S. Army Medical Research and Develoment Command, Fort Detrick, Maryland.

2. Bentley R.E., LeBlanc G.A., Hollister T.A., and Sleight B.H. III. 1976. Acute toxicity of diisopropylmethyl phosphate and dichloropentadiene to aquatic organisms. Contract # DAMD-17-75-C-5073, U.S. Army Medical Research and Development Command, Fort Detrick, Maryland.

3. Bentley R.E., Dean J.W. Ells S.J., Hollister T.A., LeBlanc G.A., Sauter S., and Sleight B.H. III. 1977. Acute toxicity of HMX to aquatic organisms. Contract # DAMD-17-74-C-4101, U.S. Army Medical Research and Development Command, Fort Detrick, Maryland.

4. Bentley R.E., Dean J.W., Ells S.J., Hollister T.A., LeBlanc G.A., Sauter S., and Sleight B.H. III. 1978. Laboratory evaluation of the toxicity of RDX to aquatic organisms. Contract # DAMD-17-74-C-4101, U.S. Army Medical Research and Development Command, Fort Detrick, Maryland.

5. Bentley R.E., Dean J.W., Hollister T.A., LeBlanc G.A., Sauter S., and Sleight B.H. III. 1978. Laboratory evaluation of the toxicity of elemental phosphorus to aquatic organisms. Contract # DAMD-17-74-C-4101, U.S. Army Medical Research and Development Command, Fort Detrick, Maryland.

6. Bentley R.E., Ells S.J., LeBlanc G.A., Hollister T.A., Sleight B.A. III, and Sauter S. 1978. Laboratory evaluation of the toxicity of nitroglycerine to aquatic organisms. Contract # DAMD-17-74-C-4101, U.S. Army Medical Research and Development Command, Fort Detrick, Maryland.

7. Sauter S., LeBlanc G.A., Ells S.J., and Buxton K. 1978. The chronic toxicity of methomyl, propachlor, baygon, and baytex to aquatic organisms. Contract # 68-03-0310, U.S. Environmental Protection Agency, Duluth Minnesota.

8. LeBlanc G.A. 1979. Utilization of bacterial colony counters to count early instar *Daphnia magna*. Bull. Environ. Contam. Toxicol. 23:837-839.

9. Gledhill W.E., Kaley R.G., Adams W.S., Hicks O., Michael P.R., Sager V.W., and LeBlanc G.A. 1980. An environmental safety assessment of butyl benzyl phthlate. Environ. Science Techn. 14:301-305.

10. LeBlanc G.A. 1980. Acute toxicity of priority pollutants to the water flea (*Daphnia magna*). Bull. Environ. Contam. Toxicol. 24:684-691.

11. Buccafusco R.J., Ells S.J., and LeBlanc G.A. 1981. Acute toxicity of priority pollutants to bluegill (*Lepomis macrochirus*). Bull. Environ. Contam. Toxicol. 26:446-452.

12. LeBlanc G.A. 1982. Laboratory investigation into the development of resistance of *Daphnia magna* to environmental pollutants. Environ. Pollut. 27:309-322.

13. LeBlanc G.A., Schoenfeld D.A., and Surprenant D.C. 1983. The effects of food concentration, animal interactions and water volume on survival, growth, and reproduction of *Daphnia magna* under flow-through conditions, In: *Aquatic Toxicology and Hazard Assessment* (W.E. Bishop, R.D. Cardwell, and B.B. Heidolph eds.). American Society for Testing and Materials, Philadelphia, 494-508.

14. LeBlanc G.A. and Surprenant D.C. 1983. The acute and chronic toxicity of acetone, dimethyl formamide and triethylene glycol to *Daphnia magna*. Arch. Environ. Contam. Toxicol. 12:305-310.

15. LeBlanc G.A. and Surprenant D.C. 1984. The influence of mineral salts on the fecundity of the water flea (*Daphnia magna*) and the implications on toxicity testing of industrial wastewater. Hydrobiologia. 108:25-30.

16. LeBlanc G.A. 1984. Interspecies relationships in acute toxicity of chemicals to aquatic organisms. Environ. Toxicol. Chem. 3:47-60.

17. LeBlanc G.A., Mastone J.D., Paradice A.P., Wilson B.F., Lockhart H.B., and Robillard K.A. 1984. The influence of speciation on the toxicity of silver to fathead minnows (*Pimephales promelas*). Environ. Toxicol. Chem. 3:37-46.

18. LeBlanc G.A. 1984. Comparative structure-toxicity relationships between acute and chronic effects to aquatic organisms. In: *QSAR in Environmental Toxicology* (K.L.E. Kaiser ed.) D. Reidel Pub. Co. Dordrecht, Holland, 245-260.

19. LeBlanc G.A. and Dean J.W. 1984. Antimony and thallium toxicity to embryos and larvae of fathead minnows (*Pimephales promelas*). Bull. Environ. Contam. Toxicol. 32:565-570.

20. LeBlanc G.A. and Surprenant D.C. 1984. A method of assessing the toxicity of contaminated freshwater sediments, In: *Aquatic Toxicology and Hazard Assessment* (R.D. Cardwell. R. Purdy, and R.C. Bahner eds.). American Society for Testing and Materials, Philadelphia, 269-283.

21. LeBlanc G.A. 1985. Effects of copper on the competitive interactions of two species of cladocera. Env. Pollut. 37:13-25.

22. LeBlanc G.A. and Cochrane B.J. 1985. Modulation of glutathione S-transferase activity in *Daphnia magna* with concomitant effects of toxicity tolerance. Comp. Biochem. Physiol. 82(C):37-43.

23. Cochrane B.J. and LeBlanc G.A. 1986. The genetics of xenobiotic metabolism in Drosophila. I. Genetics and environmental factors affecting glutathione S-transferase in larvae. Biochem. Pharm. 35:1679-1684.

24. LeBlanc G.A. and Cochrane B.J. 1986. A rapid method for staining proteins in acrylamide gels. Anal. Biochem. 161:172-175.

25. LeBlanc G.A. and Cochrane B.J. 1987. Identification of multiple glutathione S-tansferases from *Daphnia magna*. Comp. Biochem. Physiol. 88(B):39-45.

26. Cochrane B.J., Morrissey J.J. and LeBlanc G.A. 1987. The genetics of xenobiotic metabolism in Drosophila. IV. Purification and characterization of the major glutathione S-transferase. Insect Biochem. 17:731-738.

27. LeBlanc G.A., Hilgenberg B., and Cochrane B.J. 1988. Relationship between the structure of chlorinated phenols, their toxicity, and their ability to induce glutathione S-transferase activity in *Daphnia magna*. Aquatic Toxicol. 12:147-156.

28. Yeowell H.N., Waxman D.J., LeBlanc G.A., Linko P., and Goldstein J.A. 1988. Induction of cytochrome P-450 3 and its mRNA by 3,4,5,3',4',5'-hexachlorobiphenyl. Mol. Pharm. 33:272-278.

29. Waxman D.J., LeBlanc G.A., Morrissey J.J., Staunton J., and Lapenson D.P. 1988. Adult male-specific and neonatally programmed rat hepatic P-450 forms RLM2 and 2a are not dependent on pulsatile plasma growth hormone for expression. J. Biol. Chem. 263:11396-11406.

30. LeBlanc G.A. and Waxman D.J. 1988. Feminization of rat hepatic P-450 expression by cisplatin. Evidence for perturbations in the hormonal regulation of steroid-metabolizing enzymes. J. Biol. Chem. 2263:15732-15739.

31. Waxman D.J., Morrissey J.J., and LeBlanc G.A. 1989. Hypophysectomy differentially alters P-450 protein levels and enzyme activities in rat liver. Pituitary control of hepatic NADPH cytochrome P-450 reductase. Mol. Pharm. 35:519-525.

32. Yeowell H.N., Waxman D.J., LeBlanc G.A., Linko P., and Goldstein J.A. 1989. Suppession of male-specific cytochrome P-450 2c and its mRNA by 3,4,5,3',4',5'-hexachlorobiphenyl in rat liver is not causally related to changes in serum testosterone. Arch. Biochem. Biophys. 271:508-514.

33. Waxman D.J., Morrissey J.J., and LeBlanc G.A. 1989. Female-predominant rat hepatic P-450 forms j (IIE1) and 3 (IIA1) are under hormonal regulatory controls distinct from those of the sex-specific P-450 forms. Endocrin. 124:2954-2966.

34. LeBlanc G.A. and Waxman D.J. 1989. Interactions of anti-cancer drugs with hepatic monooxygenase enzymes. Drug Metab. Rev. 20:395-439.

35. LeBlanc G.A. and Waxman D.J. 1990. Regulation and ligand-binding specificities of two sex-specific sterol-binding proteins of rat liver cytosol. J. Biol. Chem. 265:5654-5661.

36. Waxman D.J., Ram P.A., Notani G., LeBlanc G.A., Alberta J.A., Morrissey J.J., and Sundseth S.S. 1990. Pituitary regulation of the male-specific steroid 6β-hydroxylase P-450 2a (gene product IIIA2) in adult rat liver. Mol. Pharm. 4:447-454.

37. Janeczko R., Waxman D.J., LeBlanc G.A., Morville A., and Adesnik M. 1990. Hormonal regulation of levels of the mRNA encoding hepatic P-450 2c (IIC11), a constitutive, male-specific form of cytochrome P-450. Mol. Pharm. 4:295-303.

38. LeBlanc G.A. and Waxman D.J. 1990. Mechanisms of cyclophosphamide action on hepatic P-450 expression. Cancer Res. 50:5720-5726.

39. LeBlanc G.A., Kantoff P.W., Ng S., Frei E. and Waxman D.J. 1992. Hormonal perturbations in testicular cancer patients treated with cisplatin. Cancer. 69:2306-2310.

40. LeBlanc G.A., Sundseth S.S., Weber G.F., and Waxman D.J. 1992. Platinum anti-cancer drugs modulate P450 mRNA levels and differentially alter hepatic drug and steroid horomone metabolism in male and female rats. Cancer Res. 52:540-547.

41. Baldwin W.S. and LeBlanc G.A. 1992. The anti-carcinogenic plant compound indole-3-carbinol differentially modulates steroid hydroxylase activities in male CD-1 mice. Chemico-Biol. Interact. 83:155-169.

42. Danger D.P., Baldwin W.S., and LeBlanc G.A. 1992. Photoaffinity labeling of steroid hormone-binding glutathione S-transferases with [^{3}H]methyltrienolone. Inhibition of steroid-binding activity by the anticarcinogen indole-3-carbinol. Biochem. J. 288:361-367.

43. LeBlanc G.A. and Gillette J.S. 1993. The antioxidant butylated hydroxyanisole elevates serum cholesterol and lowers hepatic cholesterol levels in mice. Biochem. Pharm. 45:513-515.

44. Dunn S.E. and LeBlanc G.A. 1994. Hypocholesterolemic properties of plant indoles. Inhibition of acyl-CoA:cholesterol acyltransferase activity by glucobrassicin derivatives with a concomitant reduction of serum LDL/VLDL cholesterol. Biochem. Pharm. 47:359-364.

45. LeBlanc G.A. 1994. Hepatic vectorial transport of xenobiotics. Chemico-Biol. Interact. 90:101-120.

46. LeBlanc G.A. 1994, Assessing deleterious ecosystem-level effects of environmental pollutants as a means of avoiding evolutionary consequences. Environ. Health Perspect. 102:266-267.

47. Baldwin W.S. and LeBlanc G.A. 1994. Identification of multiple steroid hydroxylases in *Daphnia magna* and their modulation by xenobiotics. Environ. Toxicol. Chem. 13:1013-1021.

48. Baldwin W.S. and LeBlanc G.A. 1994. *In vivo* biotransformation of testosterone by phase I and II detoxication enzymes and their modulation by 20-hydroxyecdysone in *Daphnia magna*. Aquatic Toxicol. 29:103-117.

49. LeBlanc G.A., Stuart J.D., Dunn S.E., and Baldwin W.S. 1994. Perturbations in hepatic cholesterol homeostasis by the plant compound indole-3-carbinol. Fd. Chem. Toxicol. 32:633-639.

50. LeBlanc G.A. 1995. Trophic-level differences in the bioconcentration of chemicals: Implications in assessing environmental biomagnification. Environ. Science Techn. 29:154-160.

51. LeBlanc G.A. 1995. Subtle effects: devastating consequences. SETAC News. 15(3):30-31.

52. Baldwin W.S., Milam D.L., and LeBlanc G.A. 1995. Physiological and biochemical perturbations in *Daphnia magna* following exposure to the model environmental estrogen diethylstilbesterol. Environ. Toxicol. Chem. 14:945-952.

53. LeBlanc G.A. 1995. Are environmental sentinels signaling? Environ. Health Perspect. 10:888-890.

54. Christensen J.G. and LeBlanc G.A. 1996. Reversal of multi-drug resistance in vivo by dietary administration of the phytochemical indole-3-carbinol. Cancer Res. 56:574-581.

55. Dunn S.E., Hughes C.S., LeBlanc G.A., and Cullen J.M. 1996. Overexpression of a p-glycoprotein in hepatocellular carcinomas from woodchuck hepatitis virus-infected woodchucks (*Marmota monax*). Hepatology. 23:662-668.

56. Parks L.G. and LeBlanc G.A. 1996. Reductions in steroid hormone biotransformation/elimination as a biomarker of pentachlorophenol chronic toxicity. Aquatic Toxicol. 34(4):291-303.

57. Baldwin W.S. and LeBlanc G.A. 1996. Expression and induction of immunochemically-related glutathione S-transferases from *Daphnia magna*. Comp. Biochem. Physiol. 113B:261-267.

58. Bain L.J. and LeBlanc G.A. 1996. Mobilization of pentachlorophenol by glutathione S-transferase mu increases cellular toxicity. Pest. Biochem. Physiol. 54:65-72.

59. Bain L.J. and LeBlanc G.A. 1996. Interaction of structurally-diverse pesticides with the human MDR-1 gene product p-glycoprotein. Toxicol. Appl. Pharm. 141:288-298.

60. LeBlanc G.A., Bain L.J., and Wilson V.S. 1997. Pesticides: multiple mechanisms of demasculinization. Mol. Cell. Endocrin. 126:1-5.

61. LeBlanc G.A. 1997. Invertebrates as sentinels of xenobiotic-induced endocrine disruption. In: *Endocrine Disruptors: Advances in Measuring and Analyzing Their Effects* (P. Guttry ed.) IBC Library Series, Southborough, MA. 2:1-24.

62. LeBlanc G.A. 1997. Chemical contamination affects wildlife. *Current Controversies: Garbage & Waste*, Greenhaven Press, Inc. San Diego. 92-95.

63. LeBlanc G.A. and Bain L.J. 1997. Chronic toxicity of environmental contaminants: sentinels and biomarkers. Environ. Health Perspect. 105:65-80.

64. Baldwin W.S., Graham S.E., Shea D., and LeBlanc G.A. 1997. Metabolic androgenization of female *Daphnia magna* by the xenoestrogen 4-nonylphenol. Environ. Toxicol. Chem. 16:1905-1911.

65. Bain L.J., McLachlan J.B., LeBlanc G.A. 1997. Structure-activity relationships for xenobiotic transport substrates and inhibitory ligands of P-glycoprotein. Environ. Health Perspect. 105:812-818.

66. Christensen J.G., Parks L.G., McNutt R., King A.C., and LeBlanc G.A. 1997. Reversal of multidrug resistance by derivatives of acrivastine: A study of structure-activity relationships of P-glycoprotein inhibitors in vitro and in vivo. Oncol. Reports. 4:1353-1360.

67. Oberdorster E., Rittschof D., and LeBlanc G.A. 1998. Alteration of [^{14}C]testosterone metabolism after chronic exposure of *Daphnia magna* to tributyltin. Arch. Environ. Contam. Toxicol. 34:21-25.

68. Ankley G., Mihaich E., Stahl R., Tillitt D., Colborn T., McMaster S., Miller R., Bantle J., Dickerson R., Fry M., Giesy J., Gray L.E., Guiney P., Hutchinson T., Kramer V., LeBlanc G., Mayes M., Nimrod A., Peterson R., Purdy R., Ringer R., Thomas P., Van der Kraak G., Zacharewski T. 1998. Overview of a workshop on screening methods for detecting potential endocrine-disrupting chemicals in wildlife. Environ. Toxicol. Chem. 17:68-87.

69. Ma G.-X., Wang T.-S., Lin L., Pan Y., Guo T.-L. and LeBlanc G.A. 1998 Pimarane diterpenoids from *Ephemerantha lonchophylla*: A new class of potential modulators of multi-drug resistance. J. Natural Prod. 61:112-115.

70. Wilson V.S. and LeBlanc G.A. 1998. Endosulfan elevates testosterone biotransformation and clearance in CD-1 mice. Toxicol. Appl. Pharm. 148:158-168.

71. Baldwin W.S., Graham S.E., Shea D., and LeBlanc G.A. 1998. Altered metabolic elimination of testosterone and associated toxicity following exposure of *Daphnia magna* to nonylphenol polyethoxylate. Ecotoxicol. Environ. Safety. 39:104-111.

72. LeBlanc G.A. 1998. Endocrine disruptors: The state of the debate. Forum Appl. Res. Public Pol. 13:6-10.

73. Parks L.G. and LeBlanc G.A. 1998. Involvement of multiple biotransformation processes in the metabolic elimination of testosterone by juvenile and adult fathead minnow (*Pimephales promelas*). Comp. Gen. Endocrin. 112:69-79.

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75. LeBlanc G.A. and McLachlan J.B. 1999. Molt-independent growth inhibition of *Daphnia magna* by an anti-androgen. Environ. Toxicol. Chem. 18:1450-1455.

76. Parks L.G., Cheek A.O., Denslow N.D., Heppell S.A., McLachlan J.A., LeBlanc G.A., and Sullivan C.V. 1999. Fathead minnow (*Pimephales promelas*) vitellogenin purification, characterization, and quantitative immunoassay for the detection of estrogenic compounds. Comp. Biochem. Physiol. (c) 123:113-125.

77. LeBlanc G.A. 1999. Screening approaches for the evaluation of endocrine disruption in invertebrates. In: Environmental Toxicology and Risk Assessment: Standardization of Biomarkers for Endocrine Disruption and Environmental Assessment (Henshel D.S., Black M.C., and Harrass M.C. eds.). STP 1364. American Society of Testing and Materials, West Conshohocken, PA. Vol 8:3-23.

78. DeFur P.L., Crane M., Tattersfield L.J., Ingersoll C.G., Stahl Jr. R.G., Matthiessen P., and LeBlanc G.A. 1999. Workshop on Endocrine Disruption in Invertebrates: Endocrinology, Testing, and Assessment (EDIETA): Executive Summary. In: Endocrine Disruption in Invertebrates: Endocrinology, Testing, and Assessment (deFur P.L., Crane M., Ingersoll C., Tattersfield L. eds.), SETAC Press, Pensacola, FL. 1-6.

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endocrinology of invertebrates, In: Endocrine Disruption in Invertebrates: Endocrinology, Testing, and Assessment (deFur P.L., Crane M., Ingersoll C., Tattersfield L. eds.), SETAC Press, Pensacola, FL. 23-106.

80. Gooding M.P., Gallardo C.S., and LeBlanc G.A. 1999. Imposex in three marine gastropod species in Chile and potential impact on muriculture. Mar. Pollut. Bull. 38:1227-1231.

81. LeBlanc G.A. and McLachlan J.B. 2000. Changes in the metabolic elimination profile of testosterone following exposure of the crustacean *Daphnia magna* to tributyltin Ecotoxicol. Environ. Saf. 45:296-303.

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85. Wolf C.J., LeBlanc G.A., Ostby J.S. and Gray, Jr. L.E. 2000. Characterization of the period of sensitivity of fetal male sexual development to vinclozolin. Toxicol. Sciences. 55:152-161.

86. Olmstead A.W. and LeBlanc G.A. 2000. Effects of endocrine active chemicals on the development of sex characteristics of *Daphnia magna*. Environ. Toxicol. Chem. 19:2107-2113.

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89. Kast-Hutcheson K., Rider C.V., and LeBlanc G.A. 2001. The fungicide propiconazole interferes with embryonic development of the crustacean *Daphnia magna*. Environ. Toxicol. Chem. 20:502-509.

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Invited Research Presentations (Last 7 years):

2004 Society of Toxicology (Symposium Co-chair), Baltimore, MD
2004 Society for Integrative and Comparative Biology: Ecophysiology and Conservation, New Orleans, LA
2004 Appalachian State University, Boone, NC
2004 University of Texas, El Paso
2004 Food and Drug Administration, Washington, DC
2005 Mount Olive College, Mount Olive, NC
2005 North Carolina Central University, Durham, NC
2005 Carolina Society of Environmental Toxicology and Chemistry (Keynote speaker), Raleigh, NC
2005 US Environmental Protection Agency, Research Triangle Park, NC
2005 Society of Environmental Toxicology and Chemistry, Baltimore, MD
2005 Harbor Branch Oceanographic Institute, Fort Pierce, FL
2005 US Environmental Protection Agency, Duluth, MN
2006 National Institute of Environmental Health Science, Research Triangle Park, NC
2007 Duke University, Durham, NC
2007 Camp Lejeune Water Contamination Forum, Wilmington, NC
2008 Duke University, Durham, NC
2008 US Environmental Protection Agency, Tampa, FL
2009 Clemson University, Clemson, SC
2010 Tulane University, New Orleans, LA
2010 University of Oklahoma, Norman, OK

2011 PRIMO 16 Conference, Long Beach, CA
2011 OECD, Paris, France
2011 International Toxicology of Mixtures Conference, Arlington, VA
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