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**Curriculum Vitae**  
**Dr. Charles B. Breckenridge**

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NAME Charles Breckenridge	POSITION TITLE Senior Syngenta Research and Technology Fellow
Syngenta Crop Protection, LLC.	

EDUCATION			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
University of Saskatchewan, Saskatoon, Canada	BA Honors	1971	Physiological Psychology
McMaster University, Hamilton, Ontario, Canada	PhD	1978	Electrophysiology/Sleep
Post-Doctoral Industrial Fellowship, Bio-Research Laboratories, Ltd, Montreal, PQ.	NA	1978-1980	Inhalation & Reproduction Toxicology

**A. Personal Statement**

In my academic studies, I focused on the structure and function of the central nervous system with special emphasis on the role of the limbic system in memory and learning, the neurophysiological mechanism regulating sleep and the organization of the visual system.

In my professional career as a toxicologist, beginning with an Industrial Postdoctoral Fellowship at Bioresearch Laboratories in Montreal, I have conducted the full spectrum of toxicological studies including inhalation toxicology, reproductive and developmental toxicity, chronic toxicity and carcinogenicity. I have specialized in the evaluation of the effects of xenobiotics on the endocrine system (atrazine research) as well as neurotoxicity studies (pyrethroids, paraquat).

My involvement with quantitative risk assessment began with leading the development (CARES) and use of probabilistic risk assessment tools, most recently integrating physiological based pharmacokinetics (PBPK) models into such analysis. Recently, I led the development of approaches for integrating epidemiological research into hazard based weight-of-the-evidence risk assessment.

**B. Positions and Honors**

Head, Inhalation and Reproduction Toxicology, Bio-Research Lab. Ltd. Montreal, Canada (1978-82)  
Manager of Toxicology, Ciba-Geigy, Ltd, Summit, NJ. (1983-85)  
Senior Toxicologist, Ciba-Geigy, Ltd, Greensboro, NC (1985-1988)  
Senior Group Leader, Ciba Geigy, Ltd., Greensboro, NC (1988-1989)  
Manager, Toxicology, Ciba-Geigy Ltd, Greensboro, NC (1990-1996)  
Manager, Human Safety Assessment, Novartis/Syngenta, Greensboro, NC (1997-2002)  
Head, Global Human Risk Assessment Methodologies, Greensboro, NC (2002-2003)  
Senior Syngenta Fellow, Human Safety Department, Greensboro, NC (2003 to present)

## **C. Other Experience and Professional Memberships**

American Chemical Society (~2000 to present)  
Endocrine Society (2012, to present)  
International Society of Exposure Science (2012 to present)  
Society of Toxicology of Canada (~1980 to present)  
Society of Toxicology (USA; 2013 to present)  
Society for Neurosciences (2012 to present)  
National Science & Engineering Council of Canada, 1984-85.

## **D. Honors**

C. S Agri NOVA Award Winner, Ridomil Gold Development, Ciba Crop Protection, 1995.  
American Crop Protection Aggregate Exposure/Risk Task Force, 1996 – 1997  
Head of CARES (Cumulative & Aggregate Exposure Evaluation System) (1999 - 2002)  
Novartis Leading Scientist Award, November, 1999.  
Syngenta Fellow, January, 2002; Senior Syngenta Fellow, April, 2003  
Adjunct Associate Professor, Wake Forest School of Medicine, Dept. of Physiology and Pharmacology, April, 2007 to present.

## **E. Theses**

Breckenridge, C.B. Cue-dependent behavior of hippocampectomized rats in a spatial sequence task. Honors Thesis, University of Saskatchewan, 1971.

Breckenridge, C.B. The effects of sensory deprivation on sleep and other regulatory processes in the adult cat. Ph.D. Thesis, McMaster University, 1978.

## **F. Publications (Full Paper)**

Adami, H-O., Berry, C., Breckenridge, C., Smith, L., Swenberg, J., Trichopoulos, D., Weiss, N., Pastoor, T., Toxicology and Epidemiology: Improving the Science with a Framework for Combining Toxicological and Epidemiological Evidence to Establish Causal Inference. *Tox. Sci.*, 2011, 122, 223-234.

Ashby, J., Tinwell, H., Stevens, J., Pastoor, T., Breckenridge, C.B., The effects of atrazine on the sexual maturation of female rats. *Regulatory Toxicology and Pharmacology*, 2002, 35, 468-473.

Breckenridge C.B., Berry C., Chang E.T., Sielken R.L., Jr., Mandel J.S. (2016) Association between Parkinson's Disease and Cigarette Smoking, Rural Living, Well-Water Consumption, Farming and Pesticide Use: Systematic Review and Meta-Analysis. *PLoS ONE* 11(4): e0151841. doi:10.1371/journal.pone.0151841

Breckenridge, C.B., Sawhey-Coder, P., Tisdell, M.O., Yi, K.D., Simpkins, J.W., Foradori, C.D. and Handa, R.J. Effect of age, duration of exposure and dose of atrazine on sexual maturation and the luteinizing hormone surge in female Sprague-Dawley rats. *Birth Defects Research, Part B; Developmental and Reproduction Toxicology*, 2015, 104, 204-217.

Breckenridge, C.B. Campbell, J.L., Clewell III, H.J., Andersen, M.E., Valdez-Flores, C. and Sielken, R.L. Probabilistic risk assessment of total chlorotriazines in drinking water using a physiological-based pharmacokinetic model. *Toxicol Sci.*, 2016, 150, 269-282.

Breckenridge, C.B., Holden, L., Sturgess, N., Weiner, M., Sheets, L., Sargent, D., Soderlund, D.M., Choi, J-S., Symington, S., Clark, J.M., Burr, S. & Ray, D. Evidence for a separate mechanism of toxicity for the Type I and the Type II pyrethroid insecticides. *Neurotox.*, 2009, 30S, S17-S31.

Breckenridge, C. Lulham, G., Hollomby, B, Bier, C., Losos, G., & Ecobichon, D.J. A subchronic inhalation toxicity study of a Matacil formulation in the albino rat. *Toxicology and Applied Pharmacology*, 1986, 82, 181-190.

Breckenridge, C.B., Pesant, M., Durham, H.D. & Ecobichon, D.J. A 30-day toxicity study of inhaled fenitrothion in the albino rat. *Toxicology and Applied Pharmacology*, 1982, 62, 32-43.

Breckenridge, C.B., Proctor, B.J., & Hardy, T.L. Chronic Toxicity of BRL 14151K and BRL 25000 in the beagle dog. *Chemotherapy*, 1983, 31, 203-237.

Breckenridge, C.B., Sturgess, N.C., Butt, M. Wolf, J.C., Zadory, D., Beck, M.; Mathews, J.M., Tisdell, M.O., Minnema, D., Travis, K.Z., Cook, A.R., Botham P.A. and Smith, L.L. Pharmacokinetic, neurochemical, stereological and neuropathological studies on the potential effect of paraquat in the substantia nigra pars compacta of male C57Bl/6J mice. *Neurotoxicol.*, 2013,37, 1-14.

Brown, R.J. & Breckenridge, C.B. A technique for long-term blood sampling or intravenous infusion in the freely moving rat. *Biochemical Medicine*, 1975, 13, 280-286.

Campbell Jr., J.L., Andersen, M.E., Hinderliter, P.M., Yi, K.D., Pastoor, T. P., Breckenridge, C.B., and Clewell III, H.J. PBPK model for atrazine and its chlorometabolites in rat and human. *Toxicol. Sci*, 2016, 150, 441-453.

DeSesso, J.M., Scialli, A.R., White, T.E.K. and Breckenridge, C.B. Multi-generation reproduction and male developmental toxicity studies on atrazine in rats. *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, 2014, 101, 237-253.

Eldridge, J.C., Fleenor-Heyser, D.G. , Extrom, P.C., Wetzel, L.T., Breckenridge, C.B., Gillis, J.H., Luempert, L.L., & Stevens, J.T., Short-term effects of chlorotriazines on estrus in female Sprague-Dawley and Fischer 344 rats. *Journal of Toxicology and Environmental Health*, 1994, 43, 155-167.

Eldridge, J.C., Stevens, J.T., Wetzel, L.T., Tisdell, M.O., Breckenridge, C.B., McConnell, R.F., and Simpkins, J.W.: Atrazine: Mechanisms of Hormonal Imbalance in Female SD rats. *Fund. Appl. Toxicol.* 24(12): 2-5. 1996

Eldridge, J.C., Tennant, M.K., Wetzel, L.T., Breckenridge, C.B., & Stevens, J.T. Factors affecting mammary tumor incidence in chlorotriazine-treated female rats: Hormonal properties, dosage, and animal strain. *Environmental Health Perspectives*, 1994, 102, Supplement 11, 29-36.

Eldridge, J.C., Stevens, J.T. & Breckenridge, C. B. Atrazine Interaction with Estrogen Expression Systems. *Environmental Contaminant Toxicology*, 2008, 196, 147-160.

Foradori, C.D., Hinds, L.R., Quihuis, A.M., Lacagnina, A.F., Breckenridge, C.B., and Handa, R.J. The Differential Effects of Atrazine on Luteinizing Hormone Release in Adrenalectomized Adult Female Wistar Rats. *Biology of Reproduction*, 2011, 85, 684-689.

Foradori, C.D., Zimmerman, A.D., Hinds, L.R., Zuloaga, K.L., Breckenridge, C.B., and Handa, R.J. Atrazine Inhibits Pulsatile Gonadotropin-Releasing Hormone (GnRH) Release Without Altering GnRH Messenger RNA or Protein Levels in the Female Rat *Biology of Reproduction*, 2013, 88, 1-7.

Foradori, C.D., Coder, P.S., Tisdell, M.O., Yi, K.D., James W. Simpkins, J.W., Handa, R.J. and Breckenridge, C.B. The effect of atrazine administered by gavage or in diet on the LH surge and reproductive performance in intact female Sprague Dawley and Long Evans rats *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, 2014, 101, 262-275.

Foradori, C.D., Zimmerman, A.D., Coder, P.S., Peachee, V.L., Handa, R.L., Kimber, I., Pruett, S.B., and Breckenridge, C.B. Lack of immunotoxic effects of repeated exposure to atrazine associated with the adaptation of adrenal gland activation. *Regul. Toxicol. Pharmacol.* Submitted, November, 24, 2016.

Hovey, R.C., Coder, P.S., Wolf, J.C., Sielken Jr., R.L., Tisdell, M.O., and Breckenridge, C.B. Quantitative Assessment of Mammary Gland Development in Female Long Evans Rats following In Utero Exposure to Atrazine. *Toxicological Sciences* 2010; 119, 380-390.

Levinson, H.V., Breckenridge, C., Gonci, D.A. & McIlhenny, H.M. Six-month inhalation studies of pirbuterol acetate aerosol in the beagle dog and squirrel monkey. *Fundamental and Applied Toxicology*, 1981, 1, 426-431.

Minnema, D.J., Travis, K.Z., Breckenridge, C.B., Sturgess, N.C., Butt, M., Wolf, J.C., Zadory, D., Beck, M.J., Mathews, J.M., Tisdell, M.O., Cook A.R., Botham, P.A. and Smith, L.L. Dietary administration of paraquat for 13 weeks does not result in a loss of dopaminergic neurons in the *substantia nigra* of C57BL/6J mice. *J. Regulatory Toxicol. Pharmacol.* 2014, 68, 250-258.

Minnema, D.J., Travis, K.Z., Breckenridge, C.B., Sturgess, N.C., Butt, M., Wolf, J.C., Zadory, D., Herberth, M., Watson, S., Cook A.R., and Botham, P.A. Dietary administration of diquat for 13 weeks does not result in a loss of dopaminergic neurons in the *substantia nigra* of C57BL/6J mice. *Regulatory Toxicol & Pharmacol.*, 2016, 75, 81-88.

Scialli, A.R., DeSesso, J.M. and Breckenridge, C.B. Developmental toxicity studies with atrazine and its major metabolites in rats and rabbits *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, 2014, 101, 199-214.

Sielken, R.L., Jr., Valdez-Florez, C., Holden, L.R., Breckenridge, C.B., and Stevens, J., Statistical inferences about the mechanism of action in carcinogenicity studies. *Scand J Work Environ Health* 2005;31 suppl 1:151-155.

Simpkins, J.W., Swenberg, J.S., Weiss, N., Brusick, D., Eldridge, J.C., Stevens, J.T., Handa, R.J., Hovey, R.C., Plant, T.M., Pastoor, T.P., and Breckenridge, C.B., Atrazine and breast cancer: A framework assessment of the toxicological and epidemiological evidence. *Tox. Sci.* 2011, 123, 441-459.

Smeyne, R.J., Breckenridge, C.B., Beck, M., Jiao, Y., Butt, M., Wolf, J.C., Zadory, D., Minnema, D., Sturgess, N.C., Cook, A.R., and Botham, P., (2016) Assessment of the effects of MPTP and paraquat on dopaminergic neurons and microglia in the substantia nigra pars compacta based upon 2-D and 3-D stereological methods. *PLOS ONE*, DOI:10.1371/journal.pone.0164094, October 27, 2016

Stevens, J.T., Breckenridge, C.B., Wetzel, L.T., Gillis, J.H. Luempert, L.G., Eldridge, J.C. Hypothesis for mammary tumorigenesis in Sprague-Dawley rats exposed to certain triazine herbicides. *Journal of Toxicology and Environmental Health*, 1994, 43, 139-153.

Stevens, J.T., Breckenridge, C.B., Wetzel, L.T., Thakur, A.K., Liu, C., Werner, C., Luempert III, L.C., and Eldridge, J.C. A Risk Characterization for Atrazine: Oncogenicity Profile. *J. Toxicol. Environ. Hlth. Part A*, 56: 69-109, 1999.

Tennant, M.K., Hill, D.S., Eldridge, J.C., Wetzel, L.T., Breckenridge, C.B., & Stevens, J.T. Possible antiestrogenic properties of chloro-s-triazines in rat uterus. *Journal of Toxicology and Environmental Health*, 1994, 43, 183-196.

Tennant, M.K., Hill, D.S., Eldridge, J.C., Wetzel, L.T., Breckenridge, C.B., & Stevens, J.T. Chloro-s-triazine antagonism of estrogen action: Limited interaction with estrogen receptor binding. *Journal of Toxicology and Environmental Health*, 1994, 43, 197-211.

Trentacoste, S.V., Friedmann, A. S., Youker, R.T., Breckenridge, C.B., & Zirkin, B.R., Atrazine effects on Testosterone levels and androgen-dependent reproductive organs in peripubertal male rats. *Journal of Andrology*, 2001, 22, 142-148.

Wetzel, L., Luempert, L.G., Breckenridge, C. B., Tisdell, M. O., Stevens, J. T., Thakur, A.K., Extrom, P. J. & Eldridge, J. C. Chronic effects of atrazine on estrus and mammary tumor formation in female Sprague-Dawley and Fischer 344 rats. *Journal of Toxicology and Environmental Health*, 1994, 43, 139-153.

Winocur, G. & Breckenridge, C. Cue-dependent behavior of hippocampally damaged rats in a complex maze. *Journal of Comparative and Physiological Psychology*, 1973, 82, 512-522.

Weiner, M., Nemic, M., Sheets, L., Sargent, D., & Breckenridge, C. Comparative functional observatory battery study of twelve commercial pyrethroid insecticides in male rats following acute oral exposure. *Neurotox.* 2009, 30S, S1-S16.

Yau, E. T., Amemiya, K., Lindsay, L. A., Wimbert, K. V., Giknis, Wetzel, L., Stevens, J., Traina, and Breckenridge, C.: The effect of the triazine herbicide atrazine on embryonic and fetal development. *Teratology*. 39:409-438.1989.

## **G. Syngenta Sponsored Reviews and Publications – CBB Contractor**

Alexander, D.D., Mink, P.J., Adami, H-O., Cole, P., Mandel, J.S., Oken, M.M., and Trichopoulos, D., (2007). The non-Hodgkin lymphomas: A review of the epidemiologic literature. *Int. J. Cancer*, 120, 1-39.

Alexander, D.D., Mink, P.J., Adami, H-O., Chang, E.T., Cole, P., Mandel, J.S. and Trichopoulos, D., (2007). Multiple myeloma: A review of the epidemiologic literature. *Int. J. Cancer*, 120, 40-61.

Boffetta, P., Adami, H-O., Berry, C. Mandel, J.S., (2013). Atrazine and cancer. A review of the epidemiology evidence. *Eur. J. Canc Prev.* 22, 169-180.

Brent, J. and Schaeffer, T.H., (2011). Systematic review of Parkinsonian syndromes in short and long-term survivors of paraquat poisoning. *JOEM*, 53, 1332-1336.

Chang, E.T., Adami, H-O., Bailey, W.H., Boffetta, P., Krieger, R.I., Suresh H. Moolgavkar, S.H, and Jack S. Mandel, J.S., (2014) Validity of geographically modeled environmental exposure estimates. *Crit. Rev. Toxicol.*, 44, 450-466.

Foradori, C.D., Hinds, L.R., Hanneman, W.H., Legare, M.E., Clay, C.M., and Handa, R.J., (2009). Atrazine inhibits pulsatile luteinizing hormone release without altering pituitary sensitivity to a gonadotropin-releasing hormone receptor agonist in female Wistar rats. *Biology of Reproduction*, 81, 40-45.

Foradori CD, Hinds LR, Hanneman WH, Handa RJ. 2009b. Effects of atrazine and its withdrawal on gonadotropin-releasing hormone neuroendocrine function in the adult female Wistar rat. *Biol Reprod* 81(6):1099–1105.

Goodman, M. Mandel, J.S., M., Scialli, A.R., and DeSesso, J., (2014). Atrazine and pregnancy outcomes: A systematic review of the epidemiology evidence. *Birth Defects Research, Part B. Developmental and Reproductive Toxicology*, 101, 215-236.

Mandel, J.S., Adami, H-O., and Cole, P. (2012) Paraquat and Parkinson's disease: An overview of the epidemiology and a review of two recent studies. *Reg Tox Pharmacol*, 62,385–392.

Sathiakumar, N., MacLennan, P.A., Mandel, J. and Delzell, E. (2011). A review of epidemiology studies of triazine herbicides and cancer. *Crit. Rev Toxicol.* 41, 1-34.

Wirdefeldt, K., Adami, H-O., Cole, P., Trichopoulos, D. and Mandel, J. (2011). Epidemiology and etiology of Parkinson's disease: A review of the evidence. *Eur. J. Epidemiol.*, 26, S1-S58.

## **H. Letters to the Editor**

Berry, C., Botham, P., Breckenridge, C. and Smith, L. Comments on Paths from Pesticides to Parkinson's Disease. *Sci.*, 2013, 341, 722-723.

Cook, A.R, Breckenridge, C. Sturgess, N., Minnema, D., Travis, K., and Botham, P. (2014). *Biochem Molec Toxicol.*, 28(7), 289-290.

Cook, A.R., Botham, P.A., Breckenridge, C.B., Minnema, D.J., Sturgess, N.C., Travis, K.Z. (2016). Neurotoxicity of paraquat and paraquat-induced mechanisms of developing Parkinson's disease. *Laboratory Investigations*, 96, 1028-1089.

## **I. Book Chapters**

Breckenridge, B.C., Simpkins, J., Eldridge, J.C., and Stevens, J.T., Symmetrical Triazine Herbicides: A Review of Regulatory Endpoints. Chapter 79, pp 1711-1723. In *Handbook of Pesticide Toxicology: Agents*. 3rd Edition, R. Kreiger (Ed.), Classes of Pesticides, Academic Press, Inc. New York. 2010.

Breckenridge, C.B. & Stevens, J.T. Crop Protection Chemicals: Mechanisms of Action and Hazard Profiles, Chapter 16. In: *Principals and Methods of Toxicology*. 5<sup>th</sup> Edition, A. Wallace Hayes (Ed.), Taylor and Francis Ltd, Philadelphia. pp. 727-840, 2007.

Breckenridge, C.B., Sielken, R.L., Jr., and Stevens, J. T. Aggregate and Cumulative Exposure and Risk Assessment. Chapter 5. In *Pesticides: Managing Risks and Optimizing Benefits*. N.N. Ragsdale and J.N. Seiber, Eds. ACS Symposium Series 734. Oxford University Press., Washington, pp. 38-67. 1999.

Breckenridge, C.B., Werner, C. Stevens, J.T., and Sumner, D.D.: Hazard Assessment for selected Symmetrical and Asymmetrical Triazine Herbicide. Chapter 25 In: The Triazine Herbicides, H. M. LeBaron, J. McFarland, O. Burnside, and R. Clark, Eds. Elsevier, San Diego, pp 387-398, 2008.

Genter, M.B. and Breckenridge, C.B. Chloroacetamide-Induced Nasal Carcinogenesis in Rats. 2009. Chapter 17, pp 427-434 In: *Nose and Viral Cancer: Etiology, Pathogenesis*, Editors: A. Medeiros, C. Veloso, Nova Sciences Publishers, Inc.

Stevens, J.T. and Breckenridge, C.B.: Agricultural Chemicals: Regulation, Risk Assessment, and Risk Management. In *Regulatory Toxicology*, S.C. Gad (Ed.), Taylor and Francis Books, London pp. 215- 243, 2001.

Stevens, T., Stevens, J.T and Breckenridge, C.B. Crop Protection Chemicals: Mechanisms of Action and Hazard Profiles. Chapter 17, pp. 710-821; 6<sup>th</sup> Edition, A. Wallace Hayes (Ed.), Taylor and Francis, Ltd., Philadelphia, pp 709-821, 2014.

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Stevens, J.T. and Breckenridge, C.B. The Avermectins: Insecticidal and Anti-parasitic Agents. In *Handbook of Pesticide Toxicology*. 2nd Edition, R. Kreiger (Ed.), Volume 2. Agents, Academic Press, Inc. New York, pp 1157-1167, 2001.

Stevens, J.T. and Breckenridge, C.B., Simpkins, J.W., and Eldridge, J.C.: Symmetrical and Asymmetrical Triazine Herbicides. In *Handbook of Pesticide Toxicology*. 2nd Edition, R. Kreiger (Ed.), Volume 2. Agents, Academic Press, Inc. New York, pp. 1511-1519, 2001.

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Stevens, J.T., Stevens, T.D. & Breckenridge, C.B. Crop Protection Chemicals: Mechanisms of Action and Hazard Profiles, Chapter 16. In: *Principals and Methods of Toxicology*. 6<sup>th</sup> Edition, A. Wallace Hayes and Claire L. Kruger (Eds.), CRC Press, Boca Raton.FL. pp. 711-823, 2014.

## **J. Posters and Platform Presentations at Scientific Meetings**

Bier, C., Collins, C., Breckenridge, C., Lulham, G., & Proctor, B. Acute toxicity (oral and inhalation) of methyl-DBCP. *The Toxicologist*, 1984, 4, 20.

Breckenridge, C., Collins, C., Hollomby, B., Lulham, G. An evaluation of the acute inhalation toxicity of trimethylarsine. *Proceedings of the Society of Toxicology*, 1983.

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Collins, C., Bier, C., Friedman, M., Breckenridge, C., Wallace, J. & Cornell, S. Sensitization potential of inhaled TDI in Guinea pigs. *The Toxicologist*, 1980.

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Foradori, C.D., Kemppainen, R.J., Zimmerman, A.D., Jones, M.A., Yi, K.D., Breckenridge, C.D., Hinds, L.R., Healy, J.E. and Handa, R.J. Atrazine activation of the hypothalamic-pituitary adrenal axis. Society for Neuroscience Meeting, Abstract # 452.03/PP22, Washington, DC, 2014

Hinderliter, P.M., Campbell, Jr., J.L., Melvin E. Andersen, M.E., Clewell, III, H.J., Kun Don Yi, K.D., Pastoor, T.P., and Breckenridge, C.B. The Toxicologist, Interspecies pharmacokinetics for atrazine and its chlorotriazine metabolites Abstract # 2101, 2015

Maibach, H., Stevens, J., Hui, X., Breckenridge, C., and Wester, R.: Comparison of the Absorption, metabolism and Elimination of Atrazine Administered Orally to Man or Orally or Intravenously to Rhesus Monkeys. *The Toxicologist*. Abstract # 1397. 2001.

Meng, C.Y., Roth, A.J., Stevens, J., & Breckenridge, C. Empirical definition in toxicity studies and integration into statistical tests. *The Toxicologist*, 1989, 9(1), #1053.

Minnema, D., Breckenridge, C., Eldridge, J.C., McFarland, J. and Stevens, J.: The Effect of 6-Months Feeding of Atrazine, Simazine, and A Common Metabolite, Diamino-Chloro-Triazine, on the Luteinizing Hormone Surge in Female Sprague-Dawley Rats. *The Toxicologist*. Abstract # 1524. 2001.

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Pavkov, K., Breckenridge, C., Campbell, W, Capps, T. & Stevens. J. Evaluation of the oncogenic potential of CGA 136872. *The Toxicologist*, 1992.

Pastoor, T., Breckenridge, C. & Stevens, J. Evaluation of the Potential Effects of Atrazine and its Metabolites on the Immune System in Routine Toxicity Studies Conducted in Rat, Mouse and Dog. *The Toxicologist*, Abstract #2140, 2008

Selman, F., Rosenheck, L., Breckenridge, C., and Stevens, J.: Comparison Estimated Exposure to Atrazine of Commercial Handlers Based on PHED, Whole Body Dosimetry and Urine Biomonitoring. *The Toxicologist*. Abstract 81. 2001.

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## **L. Computer Software**

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