Jerome M. Goldman

Education

- B.S., University of Pittsburgh, Pittsburgh, PA; Psychology, 1967.
- M.A., East Carolina University, Greenville, NC; Psychology, 1969.
- M.A., York University, Toronto, Ontario, Canada; Psychobiology, 1974.
- Ph.D., University of Waterloo, Waterloo, Ontario, Canada; Biopsychology, 1983.

Professional Experience

- 1987-1991: Research Scientist/Project Supervisor, ManTech Environmental Technology, Contractor to EPA.
- 1991-present: Research Biologist, EPA.

Research Interests

- Toxicant alterations in the neuroendocrine control of reproductive function (*in vivo*/*in vitro* approaches).
- Toxicant effects on steroidogenesis and oocyte release.

Professional Activities

- EPA representative, 5th Meeting of the Validation Management Group for Mammalian Testing, Task Force on Endocrine Disruptors Testing and Assessment, Organization for Economic Cooperative and Development, Washington, DC. 2006.
- Participant: Workshop on effect of variability of phytoestrogens and other estrogenic compounds in animal diets II. Durham, NC. 2006.
- Participant, Relevancy Reviews, STAR Grants Program, NCER. Exposure measurement tools for endocrine disrupting chemicals in mixtures. 2005.
- EPA Contracting Officer Representative, Research Contract – CEE TOX, Inc., Estrogen receptor/androgen receptor transcriptional activation assays. 2005.
- Member, Technical Advisory Team, Research Contract – ENTRIX, Optimization of the H295R cell line for use in evaluating toxicant-induced effects on steroidogenesis. 2003-present.
- Member, Organizing Committee, Endocrine Disruptors Program Review Workshop, 2002.

Invited Lectures/Symposia

- Endocrine Disruptors Methods Validation Advisory Committee: Steroidogenesis: The sliced testis protocol. 2005.

- Fertility & Pregnancy Abnormalities Team, Biannual Meeting, National Occupational Research Agenda, National Institute for Occupational Safety and Health: Endocrine disrupting chemicals: Review & update of EPA's Screening Program. 2003.
- National Tribal Science Council: Introduction to endocrine disrupting chemicals. 2002.
- North Carolina State University: Haloacetic acids and the endocrine regulation of female reproductive cyclicity. 2002.

Selected Publications

Cooper RL, Laws SC, Das PC, Narotsky MG, Goldman JM, Tyrey EL, Stoker TE. 2007. Atrazine and reproductive function: Mode and mechanism of action studies. Birth Defects Res B Dev Reprod Toxicol. 80:98-112. Abstract

Goldman JM, Murr AE, Buckalew AR, Ferrell JM, Cooper RL. 2007. Moderating influence of the drinking water disinfection by-product dibromoacetic acid on a dithiocarbamate-induced suppression of the luteinizing hormone surge in female rats. Reprod Toxicol. 23:541-9. Abstract

Goldman JM, Cooper RL, Murr AE. 2007. Reproductive functions and hypothalamic catecholamines in response to the soil fumigant metam sodium: Adaptations to extended exposures. Neurotoxicol Teratol. 29:368-76. Abstract

Bielmeier SR, Murr AE, Best DS, Harrison RA, Pegram RA, Goldman JM, Narotsky MG. 2007. Effects of bromodichloromethane on *ex vivo* and *in vitro* luteal function and bromodichlromethane tissue dosimetry in the pregnant F344 rat. Toxicol In Vitro. 21:919-28. Abstract

Goldman JM, Murr AE, Cooper RL. 2007. The rodent estrous cycle: Characterization of vaginal cytology and its utility in toxicological studies. Birth Defects Res B Dev Reprod Toxicol. 80:84-97. Abstract

Laws SC, Stoker TE, Goldman JM, Wilson VS, Gray LE, Cooper RL. 2006. The U.S. EPA's Endocrine Disruptor Screening Program: *In vitro* and *in vivo* mammalian Tier I screening assays. In: *Developmental and Reproductive Toxicology, A Practical Approach*. Ed.: R. Hood, CRC Press, Boca Raton, FL.

Murr AS, Goldman JM. 2005. Twenty week exposures to the drinking water disinfection by-product dibromoacetic acid: Reproductive cyclicity and steroid concentrations in the female Sprague-Dawley rat. Reprod Toxicol. 20:73-80. Abstract

Cooper RL, Laws SC, Narotsky MG, Goldman JM, Stoker TE. 2004. Hormonal control of ovarian function following chlorotriazine exposure: Effect on reproductive function and mammary gland tumor development. In: *Ovarian Toxicology*. Ed.: P. Hoyer, CRC Press, Boca Raton, FL.

Goldman JM, Laws SC, Cooper RL. 2004. Assessment of toxicant-induced alterations in ovarian steroidogenesis: A methodological overview. In: *Ovarian Toxicology*. Ed.: P. Hoyer, CRC Press, Boca Raton, FL.

Goldman JM, Murr AS, Buckalew AR, Schmid JE, Abbott BD. 2004. Methoxychlor-induced alterations in the histological expression of angiogenic factors in pituitary and uterus. J Mol Histol. 35:363-75. Abstract

Gray LE, Wilson VS, Noriega NC, Lambright CS, Furr JR, Stoker TE, Laws SC, Goldman JM, Cooper RL, Foster P. 2004. Use of the laboratory rat as a model in endocrine disruptor screening and testing. 42:425-37. Abstract

Klinefelter GR, Strader LF, Suarez JD, Roberts NL, Goldman JM, Murr AS. 2004. Continuous exposure to dibromoacetic acid delays pubertal development and compromises sperm quality in the rat. Toxicological Sciences 81:419-29. Abstract

Goldman JM, Murr AS. 2003. Dibromoacetic acid-induced elevations in circulating estradiol: Effects in both cycling and ovariectomized/steroid-primed female rats. Reprod Toxicol. 17:585-592. Abstract

Goldman JM, Murr AS. 2002. Alterations in ovarian follicular progesterone secretion by elevated exposures to the drinking water disinfection by-product dibromoacetic acid: examination of the potential site(s) of impact along the steroidogenic pathway. Toxicology. 171:83-93. Abstract

Nyska A, Hester SD, Cooper RL, Goldman JM, Stoker TE, House D, Wolf DC. 2002. Single or group housing altered hormonal physiology and affected pituitary and interstitial cell kinetics. J Toxicol Sci. 27:449-57. Abstract