

SETAC 2007-NorthAmerica

Prof. Giesy and 26 of his postdocs, students, technicians and visiting scientists attended the 28th Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC), which was held November 11-15, 2007, in Milwaukee, WI. His group presented 20 abstracts and one of his students Amber Tompsett was recognized with the first runner-up distinction for her oral presentation.

The papers Presented included:

1. "Determination of Relative Response factors and Matrix Effects on Quantification of Perfluorinated Compounds." With J. Naile, J.-S. Khim, and P.D. Jones.
2. "Differential Effects of Environmental Chemicals and Selected Pharmaceuticals on Aromatase Activity". With E.B. Higley, M. Hecker and J.L. Newsted.
3. "Clade-Specific Occurrence of Testicular Oocytes in *Xenopus laevis* from South Africa.". With G. Van Der Kraak, L.H. du Preez, N. Kunene, R.H. Hanner, A.J. Hosmer and K.R. Solomon.
4. "Atrazine and Amphibians: Reproductive Effects and Risks from Agricultural Uses". With K.R. Solomon, J. Carr, L. du Preez, R. Kendall, E. Smith and G. Van Der Kraak.
5. "Persistent Organic Pollutants in Korean Coastal Sediments: Distribution, Sources and Potential for Biological Effects". With J.-S. Khim and C. Koh.
6. "Effects of Polychlorinated Dibenzofurans (PCDFs) on P450 Enzymes, Jaw Histology and Tissue Morphology of Mink (*Mustela vison*)". With J. Moore, M. Hecker, Z.J. Zwiernik, S.J. Bursian, S.D. Fitzgerald, J.L. Newsted, J.-S. Khim and E.B. Higley.
7. "Biomonitoring: Scat as an Indicator of Body Burden in Mink (*Mustela vison*).". With M.S. Shotwell, M.J. Zwiernik, J.-S. Khim, J.N. Moore, D.P. Kay, L.L. Williams and S.J. Bursian.
8. "Preliminary PCDF and PCDD Tissue-based Assessment of Great Blue Heron (*Ardea herodias*) Residing in the Tittabawassee River Floodplain, MI, USA". With R.M. Seston, M.J. Zwiernik, T.B. Fredricks, S.J. Coefield, D.L. Tazelaar, M.W. Nadeau, P.W. Bradley, M.S. Shotwell and D.P. Kay. .
9. "The Consequences of Structure on Ecotoxicological Profiles of Pefluroalkyl Acids (PFAs): A Review". With J.L. Newsted.
10. "The OECD Validation Program of the H295R Steroidogenesis Assay for the Identification of Inhibitors and Inducers of Hormone Production". With M. Hecker, H. Hollert, R. Cooper, Y. Akahori, M. Murphy, C. Nellesmann, E.B. Higley and G. Timm. .

11. "Assessing Sediments and Fish Health using a Weight of Evidence Approach-In search of the Causes of Fish Decline in the Danube River". With H. Hollert, S. Keiter, M. Böttcher, S. Grund, N. Seitz, M. Hecker, K. Wurm, E. Higley, B. Van Bavel and M. Engwall.
12. "Testing of Five Model Endocrine Disrupting Chemicals using Medaka Hypothalamic-pituitary-Gonadal (BHG) Axis Model and RT-PCR Array Methods". With X. Zhang, A. Tompsett, J. Park, M. Hecker, J.L. Newsted and P.D. Jones.
13. "Gene Expression and Histological Structure as Biomarkers of Chemical Exposure in Japanese Medaka." With AR. Tompsett, J. Park, X. Zhang, M. Hecker, P.D. Jones, J.L. Newsted and D. Au.
14. "Development of Fluorescence in situ Hybridization (ISH) Techniques to Detect and Quantify Expression Profiles of Genes Along the HPG-Axis in Japanese Medaka". With. AR. Tompsett, J. Park, X. Zhang, M. Hecker, P.D. Jones, J.L. Newsted and D. Au.
15. "Perfluoroalkyl Acids in the Egg yolk of Birds from Lakes Shihwa, Korea". With H. Yoo, K. Kannan, S. Kim, K. Lee, J. Lee, J. Lee, J.L. Newsted and J.-S. Khim.
16. "Kinetic Evaluation of Exposure to Ecologically Relevant Concentrations of 2,3,7,8-TCDF and 2,3,4,7,8-PCDF to Mink". With M.J. Zwiernik, J.N. Moore, S.J. Bursian, S.D. Fitzgerald, A.C. Napolitano, D.P. Kay, J.L. Newsted, K.J. Beckett and L.L. Aylward.
17. "Reproductive Success of Three Passerine Species as Part of a Site-Specific Risk Assessment on the Tittabawassee River". With T.B. Fredricks, M.J. Zwiernik, R.M. Seston, S.J. Coefield, C.N. Stieler, S.C. Plautz, D.L. Tazelaar, M.S. Shotwell and D.P. Kay.
18. "PCDF and PCDD Accumulation Rates for Three Passerine Species as Part of a Site-Specific Risk Assessment on the Tittabawassee River". With T.B. Fredricks, M.J. Zwiernik, S.J. Coefield, R.M. Seston, S.C. Plautz, C.N. Steiler, D.L. Tazelaar, M.S. Shotwell and D.P. Kay.
19. "PCDF and PCDD Concentrations in Great Horned Owls (*Bubo virginianus*) Inhabiting the Tittabawassee River Floodplain in Central Michigan". With S.J. Coefield, M.J. Zwiernik, T.B. Fredricks, R.M. Seston, D.L. Tazelaar, M.W. Nadeau, S.C. Plautz, D.P. Kay and M.S. Shotwell.
20. "Productivity of American Robins (*Turdus migratorius*) in the Tittabawassee River Floodplain". With D.L. Tazelaar, M.J. Zwiernik, R.M. Seston, D.P. Kay, S.A. Roarck, S.C. Plautz, T.B. Fredricks, M.S. Shotwell and S.J. Coefield.