
Invited Lectures

“Integrating Biomarkers to Expedite Safety and Efficacy Decisions” Oregon State University, Department of Environmental and Molecular Toxicology Seminar Series, May 29, 2009.

“Getting to That Little Blue Pill: Blue or Otherwise” Oregon State University, Department of Environmental and Molecular Toxicology, Corvallis, OR. May 28, 2009.

“Connecting the Dots to Define Human Relevance of Preclinical Data: Implementing Techniques to Enhance Speed of Delivery and Decision Making” Translation of Safety Biomarkers in Drug Discovery and Development course, Society of Toxicology Annual Meeting, Baltimore, MD, March 15, 2009.

“Defining Human Relevance to Preclinical Data” Translating Animal Results to Human Clinical Trials Symposia, American Association of Clinical Chemistry Annual Meeting, Washington, DC. July 28, 2008.

“Clinical Trials: Getting to Proof-of-Concept and Registration” University of New Mexico School of Pharmacy, Albuquerque, NM. April 23, 2008.

“Omics and the Search for Improved Biomarkers” Pharmaceutical Sciences World Congress, Amsterdam, The Netherlands. April 24, 2007.

“Drug Development: Process and Challenges” University of New Mexico Hospital Grand Rounds, Albuquerque, NM. November 17, 2006.

“Drug Discovery: Idea to Registration” Presbyterian Hospitals’ Grand Rounds, Albuquerque, NM. November 14, 2006

“Use of Biomarkers in Early Evaluations of Safety” SCIpharm 2006, Edinburgh, Scotland. May 16, 2006.

“Biomarkers and Decision Making” College of Agriculture and Natural Sciences, Michigan State University, East Lansing, MI. April 12, 2006.

“Solving the Riddle of the Safety Black Hole” First Annual PharmaDiscovery Meeting, Washington, D.C. May 12, 2005.

“The Processes and Challenges of Drug Development” College of Agriculture and Natural Sciences, Michigan State University, East Lansing, MI. April 13, 2005.

“Biomarker Application to Assess Efficacy and Safety: Making Decisions Earlier” Biomarker Validation: Strategies for Clinical Implementation Meeting (Cambridge Healthtech Institute), San Francisco, CA. February 8, 2005.

“Laboratory Approaches to Enhancing Clinical Trial Decision Making and Doability: Biomarker Successes and What Keeps Us Up at Night” Minimally Invasive Surgical Technology Institute, Cedars-Sinai Medical Center, Los Angeles, CA. September 23, 2004.

“Developing New Biomarkers of Toxicity For Clinical Trials” Japanese Society of Toxicology 31st Annual Meeting, Osaka, Japan. July 7, 2004.

“Reality... It’s Not Much More Than the Tip of the Drug Development Iceberg” Pfizer Global Research and Development Scientist’s Lecture Series, Pfizer Laboratories, Ann Arbor, MI. October 4, 2001.

“Drug Discovery and Development” College of Agriculture and Natural Resources, Michigan State University, East Lansing, MI. February 21, 2001.

“Safety Assessment of Biologicals” New Drugs for a New Era, Pfizer Global Research & Development 5th Annual Drug Discovery Symposium. Ypsilanti Marriott on Ford Lake, Ypsilanti, MI. October 25, 2000.

“Pre-Clinical Immune Function Testing With the Cynomolgus Monkey” Towards New Horizons in Primate Toxicology: Where to Go in the New Millennium?, 12th Primate Symposium, Waldhotel Krautkramer, Muenster, Germany. February 24-25, 2000.

“Considerations in Drug Discovery and Development” College of Agriculture and Natural Resources, Michigan State University, East Lansing, MI. February 9, 2000.

“The Toxicology Laboratory’s Role in Drug Development” School of Pharmacy, University of New Mexico, Albuquerque, NM. January 18, 2000.

“Immune Function Testing in Primates: Bridging Preclinical and Clinical Testing” Immunotoxicology: From the Whole Animal to the Gene, and Back to the Human, Michigan Regional Chapter of SOT, The Kellogg Center, Michigan State University, East Lansing, MI. May 15, 1998.

“Investigative Approaches in Preclinical Drug Development” Department of Pharmaceutical Sciences, Wayne State University, Detroit, MI. March 25, 1998.

“Investigative Applications of Flow Cytometry in the Clinical Laboratory: Cell-Cycle Kinetics, Apoptosis, and Ploidy” CliniChem 97 Meeting, New Directions, Philadelphia, PA. October 31, 1997.

“Immunotoxicology in the Real World: Practical Aspects of Immunomodulation by Drugs, Chemicals, and Contaminants”, Occupational Toxicology On the Job/On Campus, Environmental and Industrial Health, The University of Michigan, Ann Arbor, MI. May 9, 1997.

“Immunotoxicology: Perspectives From Industry” Department of Pharmaceutical Sciences, Wayne State University, Detroit, MI. October 20, 1992.

“Application of Immunotoxicology Testing in Safety Evaluations” Department of Environmental Health, University of Washington, Seattle, WA. April 10, 1992.

“Immunofluorescence Studies of the Mouse's Response to Ozone Exposure” Department of Toxicology and Pharmacology, Purdue University, West Lafayette, IN. April 24, 1989.

“Immunofluorescence Studies of the Mouse's Response to Ozone Exposure” Department of Pharmacology and Toxicology, Medical College of Virginia, Richmond, VA. September 9, 1987.

"Immunofluorescence Studies of the Mouse's Response to Ozone Exposure" Department of Animal Science, Michigan State University, East Lansing, MI. November 3, 1986.

"An Introduction to Immunotoxicology" University of Michigan-Dearborn, Dearborn, MI. April 4, 1986.

"Effects of Chlorinated Hydrocarbons on Mink and Ferrets" Environmental Toxicology Center, University of Wisconsin, Madison, WI. September 18, 1984.

"Effects of Toxicants on Breeding in Mink and Ferrets" Fur Farmer's Summer School, Cooperative Extension Service, University of Wisconsin, Madison, WI. June 26, 1984.

"Halogenated Aromatic Hydrocarbon Induced Effects on the Reproductive Performance and Survival of Mink and Ferrets" School of Veterinary Medicine, University of Wisconsin, Madison, WI. March 9, 1984.

"Polychlorinated Biphenyls (Aroclors 1016 and 1242): Effects on Survival and Reproduction in Mink and Ferrets" Sea-Grant Symposium on Toxic Materials and Their Effects on Marine Resources, Madison, WI. June 12, 1979.

Publications - Submitted

Criswell, K.A., **M.R. Bleavins**, N. Janiczek, and D. Hartman. *In vitro* effect of an anti-factor Xa inhibitor on international normalization ratio (INR). *Journal of the American College of Cardiology*.

Gough, A.W., K.M. Hiatt, K.J. Johnson, **M.R. Bleavins**, and F.A. de la Iglesia. Pathology peer review of skin lesions from Sprague Dawley rats administered the gadolinium-based contrast agent Omniscan intravenously for 21 days. *Toxicologic Pathology*.

Pegg, D., **M. Bleavins**, J. Herman, Z. Wojcinski, M. Graziano, J. Henck, T. Anderson, and S.K. Duddy. Induction of hemangiosarcoma in mice given the $\alpha_2\delta$ agonist, pregabalin: Analysis of genotoxicity, carcinogenicity and tumor genetics. *Toxicological Sciences*.

Publications - Peer Reviewed

Bleavins, M.R. and R. Rahbari (2010). The Anti-Unicorn Principle: Appropriate Biomarkers Don't Need to be Rare or Hard to Find. In: *Biomarkers in Drug Development: A Handbook of Practice, Application, and Strategy*, edited by M.R. Bleavins, C. Carini, M. Jurima-Romet, and R. Rahbari, John Wiley and Sons, Inc., Hoboken, NY pp. 551-564 (in press).

Bleavins, M.R., C. Carini, M. Jurima-Romet, and R. Rahbari (2009). Biomarkers. In: *Clinical Trials Handbook*, Edited by S.C. Gad, John Wiley & Sons, Inc., Hoboken, NJ, pages 851-868.

Myrand, S.P., K. Sekiguchi, M. Man, X. Lin, R-Y. Tzeng, C-H. Teng, B. Hee, M. Garrett, H. Kikkawa, C-Y. Lin, S.M. Eddy, J. Dostalík, J. Mount, J. Azuma, Y. Fujio, I-J. Jang, S-G. Shin, **M.R. Bleavins**, J.A. Williams, J.D. Paulauskis, and K. Wilner (2008). Pharmacokinetics/genotype associations in major cytochrome P450 enzymes in native, 1st, and 3rd generation Japanese populations: Comparisons with Korean, Chinese, and Caucasian populations. *Clinical*

Pharmacology and Therapeutics 84(3):347-361.

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Piccotti, J.R., S.A. Knight, K. Gillhouse, M.S. LaGattuta, and **M.R. Bleavins** (2006). Evaluation of an *ex vivo* murine lymph node assay: Multiple endpoint comparison. *Journal of Applied Toxicology* 26:333-340.

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Olle, E.W., A. Sreekumar, R.L. Warner, S.D. McClintock, A.M. Chinnaiyan, **M.R. Bleavins**, T.D. Anderson, and K.J. Johnson (2005). Development of an internally controlled antibody microarray. *Journal of Molecular & Cellular Proteomics* 4(11):1664-1672.

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Piccotti, J.R., M.S. LaGattuta, S.A. Knight, A.J. Gonzales, and **M.R. Bleavins** (2005). Induction of apoptosis by cationic amphiphilic drugs amiodarone and imipramine. *Drug and Chemical Toxicology* 1:117-133.

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Brees, D.J., V. Kostrubsky, N. Greene, M. Lawton, P. O'Brien, W.D. Pennie, **M. Bleavins**, and J.A. Reynolds (2004). Integrated approach to the assessment of acetaminophen hepatotoxicity: Reduction of the "omics" and new technology to practice. *Toxicologic Pathology* 32(Suppl. 2):92. http://tpx.sagepub.com/cgi/reprint/32/2_suppl/92.pdf

Jock, C.A., J.D. Paulauskis, D. Baker, E. Olle, **M.R. Bleavins**, K.J. Johnson, and P.L. Heard (2004). Influence of matrix application timing on spectral reproducibility and quality in SELDI-TOF-MS. *BioTechniques* 37(1):30-34.

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Criswell, K.A., G. Krishna, D. Zielinski, G.A. Urda, P. Juneau, S. Bulera, and **M.R. Bleavins** (2003). Validation of a flow cytometric acridine orange micronuclei methodology in rats. *Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis* 528(1-2):1-18.

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