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Dr. Gollapudi specializes in genetic toxicology and chemical carcinogenesis with emphasis on the identification of mode of action and human relevance of toxicity findings. He has 31 years of experience at a major chemical company addressing the safety of a diverse portfolio of substances such as agrochemicals, pharmaceuticals, biocides, basic and specialty chemicals, food contact materials, solvents, polymers, personal care products, etc. He has published more than 100 papers in peer reviewed journals and has edited a book on the application of genomic technologies for safety and risk assessment. He is the Editor-in-Chief of the journal Enviromental and Molecular Mutagenesis and serves on a number of scientific committees including the Committee on Toxicology of the US National Academies of Sciences. Dr. Gollapudii is the recipient of the Arnold J. Lehman award from the Society of Toxicology for his contributions to the field of risk assessment and chemical regulation. .

CREDENTIALS & PROFESSIONAL HONORS

Ph.D. Dalhousie University, Nova Scotia, Canada

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PUBLICATIONS

Recent (2013–2015) Invited Lectures at Scientific Meetings

Gollapudi BB. Dose-response assessment in genetic toxicology. Presented at the 36th Annual Meeting of American College of Toxicology, Summerlin, NV. November, 2015.

Gollapudi BB. The Journey towards a New Paradigm in Genetic Toxicology. Presented at the 46th Annual Meeting of the U.S. Environmental Mutagenesis and Genomics Society, New Orleans, LA. September, 2015.

Gollapudi BB. The Pig-a Assay. Presented at the Genetic Toxicology Association Annual Meeting, Newark, DE. May, 2014.

Gollapudi BB. Dose response assessment in genetic toxicology – Thresholds or point of departure? Presented at the European Environmental Mutagen Society Annual Meeting, Lancaster, U.K., July 2014.

Gollapudi BB. Quantitative approaches for assessing dose-response relationships. Presented at the Environmental Mutagenesis and Genomics Society Annual Meeting, Orlando, FL. September 2014.

Gollapudi BB. Effects of genotoxic substances on the genetic systems. Presented at the Elemental and Genotoxic Impurities Conference, Mumbai, India, November 2014.

Gollapudi BB. New approaches and changing regulatory requirements in genetic toxicology. Presented

at the 34th Annual Conference of Society of Toxicology, Chennai, India. December 2014.

Gollapudi BB. Mechanistic studies to investigate and inform safety of pesticides to humans from a risk assessment perspective. Presented at the 34th Annual Conference of Society of Toxicology, Chennai, India. December 2014.

Gollapudi BB. Follow-up investigations to assess the in vivo relevance of bacterial mutagenicity findings. Presented at the Elemental and Genotoxic Impurities Conference, Mumbai, India, November 2014.

Gollapudi BB. New approaches for genotoxicity assessment and guidance on dealing with positive results. Presented at 52nd Annual Meeting of the Society of Toxicology, San Antonio, TX. March, 2013.

Gollapudi BB. A critical assessment of low dose response in genetic toxicology. Presented at the 13th International Congress of Toxicology, Seoul, Korea. July 2013.

Gollapudi BB. Scope, design and interpretation of the Pig-A assay. Presented at the 11th International Conference of Environmental Mutagens, Foz do Iguassu, Brazil, November 2013.

Gollapudi BB. Epigenetics: Are we ready to consider epigenetic effects in human health risk assessment? Presented at the 11th International Conference of Environmental Mutagens, Foz do Iguassu, Brazil, November 2013.

Gollapudi BB. Dose response and point of departure assessment in genetic toxicology. Presented at the 11th International Conference of Environmental Mutagens, Foz do Iguassu, Brazil, November 2013.

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Blecher SR, Gollapudi B, Kamra OP. Preliminary evidence of genetic control of sex chromosomal synopsis in the mouse. Canadian Journal of Genetics and Cytology 1981; 23:155–157.

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Gollapudi B, Kamra OP. Application of a simple Giemsa staining method in the micronucleus test. Mutation Research 1979; 64:45–46.

Invited Presentations at Recent Workshops and Symposia at National and International Scientific Meetings (2007–2013)

Gollapudi B. New approaches for genotoxicity assessment and guidance on dealing with positive results. Annual Meeting of the Society of Toxicology, San Antonio, TX, 2013.

Gollapudi B. Genetic toxicity testing related to REACH program. Annual Meeting of the Genetic Toxicology Association, Newark, DE, 2012.

Gollapudi B. Strategies in the application of genetic toxicity data in risk assessment. Annual Meeting of the U.S. Environmental Mutagen Society, Bellevue, WA, 2012.

Gollapudi B. Evaluation and interpretation of genotoxicity data: An Industry Perspective. Annual Meeting of the U. S. Environmental Mutagen Society, Montreal, P.Q., 2011.

Gollapudi B. Beyond positive or negative: A quantitative approach for interpreting genotoxicity data. Annual Meeting of the Society of Toxicology, Salt Lake City, UT, 2010.

Gollapudi B. Genetic toxicology testing: How can we improve its utility to inform risk assessment? Annual Meeting of the Society of Toxicology, Seattle, WA, 2008.

Gollapudi B. Dose-related changes in the transcriptomic response of cells and tissues to genotoxic stress. Annual Meeting of the Society of Toxicology, Charlotte, NC, 2007.

Gollapudi B. Relevance and follow-up of positive results from in vitro genetic toxicity testing. Annual Meeting of the Society of Toxicology, Charlotte, NC, 2007.

Posters and Oral Presentations Co-authored at Recent National and International Scientific Meetings (2011–2013)

Alyea RA, LeBaron MJ, Sura R, Murray JA, Pogribny IP, Passage JK, Ellis-Hutchings RG, Moore NP, Carney EW, Gollapudi BB, Rasoulpour RJ. Is the current product safety assessment paradigm protective for transgenerational epigenetic effects? Presented at the Annual Meeting of the Society of Toxicology, San Antonio, TX, 2013.

LeBaron MJ, Kan HL, Schisler MR, Papineni S, Eisenbrandt DL, Gollapudi BB. Suicide inhibition is responsible for the paradoxical absence of CYP2B10 enzyme activity in mouse liver following nitrapyrin or pronamide-induced CAR activation. Presented at the Annual Meeting of the Society of Toxicology, San Antonio, TX, 2013.

Ellis-Hutchings RG, Alyea RA, Marshall VA, LeBaron MJ, Sura R, Moore NP, Gollapudi BB, Rasoulpour RJ. Evaluation of epigenetic and developmental effects in Danio rerio zebrafish embryos following diethylstilbestrol, 17β-estradiol and/or 5-azacytidine treatment. Presented at the Annual Meeting of the

Society of Toxicology, San Antonio, TX, 2013.

Schisler MR, LeBaron MJ, Zhang F, Jeong YC, Bartels MJ, Sura R, Hotchkiss JA, Geter DR, Gollapudi B, Moore NP. Dose response and temporality of ethylene oxide-induced macromolecular changes and genotoxicity in mice. Presented at the Annual Meeting of the Society of Toxicology, San Antonio, TX, 2013.

Manjanatha MG, Shelton SD, Chen Y, Parsons BL, Gollapudi B, Moore N, Haber LT, Moore MM. cII mutant frequencies and types of mutations in the lung of big blue mice exposed to ethylene oxide for up to 12 weeks by inhalation. Presented at the Annual Meeting of the Society of Toxicology, San Antonio, TX, 2013.

Parsons BL, Manjanatha MG, Myers MB, McKim KL, Wang Y, Gollapudi B, Moore N, Haber LT, Moore MM. Gain loss of K-Ras mutations in mouse lungs following inhalation exposure to ethylene oxide. Presented at the Annual Meeting of the Society of Toxicology, San Antonio, TX, 2013.

Haber LT, Parsons BL, Moore N, Gollapudi B, Manjanatha MG, LeBaron M, Moore MM. Mode-of-action evaluation for lung tumors in mice exposed to ethylene oxide via Inhalation. Presented at the Annual Meeting of the Society of Toxicology, San Antonio, TX, 2013.

Adenuga D, Kimber I, Dearman R, Thomas R, Gollapudi BB, Woolhiser MR, Boverhof DR. Toxicogenomic investigation into false positive responses in the local lymph node assay (LLNA). Presented at the Annual Meeting of the Society of Toxicology, San Francisco, CA, 2012.

Budinsky R, Gollapudi BB, Albertini RJ, Valentine R, Stavanja M, Teeguarden J, Fensterheim R, Green A, Recio L. Vinyl acetate and acetaldehyde dose - response mutagenicity studies at the TK+- and HPRT locus in human - derived TK6 cells. Presented at the Annual Meeting of the Society of Toxicology, San Francisco, CA, 2012.

Gollapudi BB, Schisler MR, McDaniel LP, Moore MM Reevaluation of the U. S. National Toxicology Program's (NTP) mouse lymphoma forward mutation assay (MLA) data using current standards reveals limitations of using the program's summary calls. Presented at the Annual Meeting of the Society of Toxicology, San Francisco, CA, 2012.

Johnson GE, Hernandez LG, Gollapudi BB, Kim J, MacGregor JT, Pottenger LH, van Benthem J, White P, Thybaud V. Relationships between genotoxic thresholds in vitro and in vivo. Presented poster at NC3Rs, London, UK, 2012.

LeBaron MJ, Schisler MR, Kan HL, Sura R, Eisenbrandt DL, Gollapudi BB. Analysis of molecular, cellular, and biochemical changes in the liver of male CD-1 Mice Treated with the herbicide

pronamide. Presented at the Annual Meeting of the Society of Toxicology, San Francisco, CA, 2012.

LeBaron MJ, Schisler MR, Zhang F, Jeong YC, Bartels MJ, Sura R, Hotchkiss J, Geter DR, Gollapudi BB, Moore NP. Bioanalytical, molecular, and genetic alterations in ethylene oxide exposed male B6C3F1 mice. Presented at the Annual Meeting of the Society of Toxicology, San Francisco, CA, 2012.

Terry C, Rasoulpour RJ, LeBaron MJ, Ellis-Hutchings RG, Gollapudi BB, Billington R. Mode of Action (MoA) and Human Relevance Framework (HRF) analysis for Fischer 344 rat leydig cell tumours. Presented at the Annual Meeting of the Society of Toxicology, San Francisco, CA, 2012.

Woolhiser MR, Adenuga D, Gollapudi BB, Boverhof DR Differential gene expression responses distinguish between dermal and respiratory sensitizers and nonsensitizing irritants in the LLNA. Presented at the Annual Meeting of the Society of Toxicology, San Francisco, CA, 2012.

Carney EW, Rasoulpour RJ, LeBaron MJ, Murray J, Sura R, Ellis-Hutchings RG, Gollapudi BB. Lack of transgenerational effect for vaginal patency and uterine weight in CD-1 mice exposed to diethylstilbestrol or 17beta-estradiol. Presented at SOT 50th Anniversary Annual Meeting & ToxExpo, Washington, D.C., 2011.

Ellis-Hutchings RG, Rasoulpour RJ, Terry C, Gollapudi BB, Billington R. Mode of action evaluation and human relevance analysis for X11422208-induced fetal abnormalities and neonatal death in rats. Presented at SOT 50th Anniversary Annual Meeting & ToxExpo, Washington, D.C., 2011.

Geter DR, Kan HL, Wood A, LeBaron MJ, Gollapudi B, Murray J, Terry C, Rasoulpour RJ, Elcombe CR, Vardy A, Ross J, Billington R. Phenobarbital-like mode of action for liver tumors in CD1 mice and F344 rats exposed to a new developmental compound X11422208. Presented at SOT 50th Anniversary Annual Meeting & ToxExpo, Washington, D.C., 2011.

Gollapudi BB, Kan HL, Wood A, Murray J, Hester S, Goetz A, Currie RJ, Geter DR. Dose response characterization of dietary phenobarbital-induced gene expression, enzyme induction, and cell proliferation in the livers of male and female mice. Presented at SOT 50th Anniversary Annual Meeting & ToxExpo, Washington, D.C., 2011.

LeBaron MJ, Schisler MR, Kan HL, Thomas J, Eisenbrandt DL, Gollapudi BB. Analysis of molecular, cellular, and biochemical changes in the liver of male B6C3F1 mice treated with nitrapyrin – a nitrogen stabilizer. Presented at SOT 50th Anniversary Annual Meeting & ToxExpo, Washington, D.C., 2011.

Myers MB, McKim KL, Wang Y, Gollapudi BB, Moore NP, Haber LT, Moore MM, Parsons BL. Exposure to ethylene oxide for 4 weeks increases K-ras codon 12 GGT-GTT mutation in mouse lung. Presented at 42nd Annual Meeting of the Environmental-Mutagen Society, 2011.

Schisler MR, Gollapudi BB, Moore NP, Pottenger LH. Evaluation of propylene oxide (PO)-induced mutagenicity in a p53-competent, human-derived cell line, TK6. Presented at 42nd Annual Meeting of the Environmental-Mutagen Society, 2011.

Terry C, Ellis-Hutchings RG, Rasoulpour RJ, Gollapudi BB, Billington R. Mode of action evaluation and human relevance framework (HRF) analysis for foetal abnormalities and neonatal death observed in rats. Presented at 39th Annual Conference of the European Teratology Society, Gent, Belgium, 2011.

Terry C, Rasoulpour RJ, Gollapudi BB, Billington R. Innovations in toxicity testing – An integrated approach to testing of a new agrochemical based on sound science and the “3Rs” principles on animal research. Presented at SOT 50th Anniversary Annual Meeting & ToxExpo, Washington, D.C., 2011.

Terry C, Rasoulpour RJ, Gollapudi BB, Billington R. Innovations in toxicity testing—An integrated approach based on the “3R” principles of animal welfare and sound science. Presented at 47th Congress of the European-Societies-of-Toxicology (EUROTOX), Paris, France, 2011.

PRIOR EXPERIENCE

Last position held: Director, Mammalian Toxicology, The Dow Chemical Company, 1981–2012

Senior Toxicology Consultant, Cardno ENTRIX, 2012–2013

PROFESSIONAL AFFILIATIONS

Member, Society of Toxicology Scientific Program Committee, 2011–2015

Member, Steering Committee, International Workshops on Genotoxicity Testing (IWGT), 2008–present

Member, OECD Expert Group for Genotoxicity Guidelines, 2009–present

Member, Global Product Strategy Task Force of ICCA, 2009–2012

Member, Board of Trustees, ILSI/HESI, Washington, D.C., 2009–2012

Chair, Emerging Issues Committee, ILSI/HESI, Washington, D.C., 2009–2011

Member, Society of Toxicology Career Resource and Development Committee, 2007–2010

Co-Chair, In Vitro Genotoxicity Committee, ILSI/HESI, Washington, D.C., 2006–2012

Councilor, U.S. Environmental Mutagen Society, 2004–2007

ACADEMIC APPOINTMENTS

Adjunct Associate Professor, School of Public Health, University of Michigan, 1999–present