
O - 01 Mechanisms of Metal-Induced Lung Cancer: Mechanisms of Particulate Cr(VI)-Induced Centromere Amplification from One Environmental Health Perspective

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O - 02 Molecular Mechanism of Nicotine-Induced Carcinogenesis in Kidney Epithelial Cells

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O - 03 Licochalcone A Prevents Neuroblastoma Cells from Rotenone-Induced Apoptosis via the PI3K/Akt/GSK-3 β /CREB Signaling Pathway

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O - 04 Beneficial Effects of Estrogen in Benzo(a)Pyrene [B(a)P] – Induced Colon Carcinogenesis

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O - 05 Cancer Cell Fusion and Breast Cancer Metastasis

Casey Chitwood^{1, 2}, Claire Dietzsch^{1, 2}, Gabriel Jacobs^{1, 2}, Tanner McArdle^{1, 2}, Brian T. Freeman^{1, 2}, Annanya Banga^{1, 2}, Felicite K. Noubissi⁷ and Brenda M. Ogle^{1, 2, 3, 4, 5, 6}

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O - 06 Late and Persistent Effects of Chronic Cadmium Exposure on Multiple Organs of Rats and Mice: Role of DNA Hypermethylation

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O - 07 Potential Endocrine Disrupting Effects of Graphene Oxide Nanomaterial on Japanese Medaka Fish

Asok K Dasmahapatra, Doris K Powe, Shareena TP Dasari, Paul B Tchounwou

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O - 08 Trisenox Reduces Expression of E2F1, Cyclin E, and Phosphorylation of P13K Signaling in ALP Cells

Sanjay Kumar, Paul B. Tchounwou

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O - 09 “Honorary Biomedical Sciences and Health Information Lecture Series”

Improving Minority Health and Reducing Health Disparities: The Role Played of the RCMI Community

Elizabeth O. Ofili

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O - 10 Multifunctional Multicolor Luminescence Nanosystem for Tracking Breast Cancer Heterogeneity

Avijit Pramanik, Salma Begum, Kaelin Gates, Qinku Zhang, Stacy Jones, Fengxiang. X. Han, and Paresh Chandra Ray

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O - 11 New Formulations of the Rhenium-Platinum Antitumor System Based on the Quadruple-Bonding Cluster Dirhutenium (III) Compounds

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O - 12 Investigating Toxicity of Fullerene's Derivatives: A Comprehensive Computational Approach

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O - 13 The Protective Role of Quercetin on Silver Nanoparticle-Induced Hepatotoxicity in Rats

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O - 14 Nanobody-Based Assays and Biosensors to Detect and Assess Hazardous Chemicals in the Environment and Food: A Creative, Innovative and Entrepreneurial Approach

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O - 15 Geospatial Technology Generating Environmental Health Information for Clinical Practice

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O - 16 A New Perspective on Soil Lead and Children's Blood Lead: Unflooded Versus Flooded Communities of Metropolitan New Orleans

Howard W. Mielke¹, Christopher R. Gonzales^{1,2}, Eric T. Powell², Mark A.S. Laidlaw³, Kenneth J. Berry⁴, Paul W. Mielke, Jr.⁴

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O - 17 Metals Extraction in Water Using Filters Packed with Different Sizes of Mexican Natural Zeolite

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O - 18 Methylmercury Screening in Mercury-Contaminated Soils by Cold Vapor Generation and ICP-MS

Zikri Arslan, Iris denmark, Ermira Begu, Fenxiang Han

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O - 19 Involvement of Marinobufalgenin on Preclamsia: A Squirrel Monkey Model

Syeda H. Afroze, PhD^{1,2,3}, John M. Wages, MS^{3,4}, David CC Sprague, PhD^{2,3}, Thomas J Kuehl, PhD⁵ and *M. Nasir Uddin, PhD, FAHA^{1,2,3}

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O - 20 Differential Regulation of Aquaporin-1 and -5 by Xanthohumol in Lung Cancer Cells

Maricica Pacurari and Claressa Youngblood

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O - 21 Ytterbium Toxicity and Mechanism of Action-A Preliminary Study in Planaria

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O - 22 Quantitative Assay of Targeted MicroRNAs Without PCR

Yi-Ming Liu, Xiangtang Li, Li Pan, Rui Xu

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O - 23 Essential Role of JunD in Prostate Cancer Cell Proliferation

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O - 24 Serum Biomarkers in Oral Carcinogenesis

Sunali Khanna

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O - 25 Mobile Elements Mediate Genetic Instability Following Environmental Insult

Prescott Deininger

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O - 26 Racial Differences in the Inhibitory Effects of Plubagin on the NF- κ B Pathway and CCL2 Release in Triple Negative Breast Cancer Cells

Karam F.A. Soliman

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O - 27 “Honorary Biomedical Sciences and Health Information Lecture Series”

Protective Effects of Valproic Acid on 6-Hydroxydopamine-Induced Neuro-Injury

Da-Tian Bau^{1,2}, Shih-Wei Hsu^{2,3}, Kai-Yuan Chen⁴, Chia-Wen Tsai¹, Wen-Shin Chang¹, Hsu-Tung Lee⁵

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O - 30 Signs of Carcinogenicity Induced by Malathion and Estrogen in Rat Mammary Gland Model

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O - 31 The Effects and Mechanisms of *Prunella Vulgaris* Extracts on Lung Cancer Cells

Wen-Shin Chang¹, Te-Chun Shen², Chia-Wen Tsai¹, Hsin-Ting Li¹, Yi-Wen Hung³, Yu-Chao Lin², Wei-Chun Chen², Te-Chun Hsia², Da-Tian Bau^{1,4}

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O - 32 Anticancer Potential of *Vernonia amagdalina* Delite: A Cell-Based Study

Clement G. Yedjou¹, William Johnson¹, Solange S. Tchounwou², Otto Ikome¹, Duber G. Fonseca¹, Udensi K. Udensi¹, and Paul B. Tchounwou³

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O - 33 Secretion Modification Region (SMR) Peptide Blocks Migration and Invasion in Human Breast Cancer Cells

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O - 34 Bioinformatics Study for the Interplay of Environmental and Genetic Factors Associated with Cancers

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O - 35 Environmental Health Research at the University of Puerto Rico Medical Sciences Campus

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O - 36 Gulf War Illness: Unifying Hypothesis for a Continuing Health Problem

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O - 37 Selective Recognition of Biologically Anions with Synthetic Receptors

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O - 38 Understanding Urbanization and Sea Level Change Effects on the Spatial Distribution of Mississippi Coastal Wetlands

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O - 39 Selective Recognition of Biologically Anions with Synthetic Receptors

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O - 40 Meteorological Effects on Trace Element Solubility in Mississippi Coastal Wetlands

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O - 41 “Honorary Biomedical Sciences and Health Information Lecture Series”

Insoluble, Crystalline Nickel Induces Genotoxicity and Gene Silencing, Which Disrupts 211 Signal Transduction Pathways and Leads to Differential Expression of 144 Genes and Morphological, A.I., Neoplastic Transformation of C3H/10T1/2 CL 8 Mouse Embryo Cells

Jessica Grondin,^{2,5} Zarko Manojlovic,^{3,4,5} Maged Manswer,^{1,2,5} John J. Shin,^{1,2,5} Sharon Chang,^{3,4,5} Erik Kwok,^{3,4,5} John D. Carpten,^{3,4,5} and Joseph R. Landolph, Jr.^{1,2,5}

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O - 42 Translational Research: Is it Old Science in New Clothing?

Daniel E. Sarpong

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O - 43 Challenges Screening for Transfusion Transmissible Infections in the Yaounde University Teaching Hospital – Cameroon

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O - 44 Triple Negative Breast Cancer: Social and Biological Drivers of Health Disparities

Fokhrul Hossain^{1,2*}, Denise Danos*, Om Prakash¹, Aubrey Gilliland³, Tekeda F. Ferguson³, Neal Simonsen³, Claudia Leonardi³, Qingzhao Yu³, Xiao-Cheng Wu³, Lucio Miele^{1,2*} Richard Scribner^{3*}

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O - 45 Progression of Metabolic Syndrome in Relation to Depression Symptoms and High Sensitivity C-Reactive Protein: The Bogalusa Hearth Study

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O - 46 Impact of Saharan Dust Transport over Atlantic Ocean on Particulate Matter and Ozone Concentrations in San Juan, Puerto Rico, and Miami, Florida, USA

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O – 47 Deconvolution of the Association between Obesity and Triple Negative Breast Cancer using Genomics Data

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O – 48 Exponentiated, Inverted, and Reflected: The Amazingly Versatile Weibull Distribution

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O – 49 Possible Contribution of Spermatozoa to Poor Conception Rate among BaP-Exposed Women

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O – 50 Approach Improvement in the Management and Prognosis of Dengue and Yellow Fever in Brazil from 2016 to 2018

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