

DR. PAUL TCHOUNWOU

PRESENTATIONS & PUBLISHED ABSTRACTS

(Reversed Chronology)

429. Rogers C, Yedjou CG, and **Tchounwou PB**. Vitamin D3 potentiates the antitumor effects of arsenic trioxide in human leukemia (HL-60) cells. Paper presented at the 102nd Annual Meeting of the American Association for Cancer Research. Chicago, Illinois. March 31-April 04, 2012.

428. Patlolla A and **Tchounwou PB**. Serum aminotransferases and alkaline phosphatases as biomarkers of hepatotoxicity in Sprague-Dawley rats exposed to silver nanoparticles. Paper presented at the 102nd Annual Meeting of the American Association for Cancer Research. Chicago, Illinois. March 31-April 04, 2012.

427. Yedjou CG, and **Tchounwou PB**. Preclinical of assessment of oxidative stress and apoptotic mechanisms of garlic extract in the prevention of acute promyelocytic leukemia. Paper presented at the 102nd Annual Meeting of the American Association for Cancer Research. Chicago, Illinois. March 31-April 04, 2012.

426. Patlolla A, McGinnis B, **Tchounwou P**. Biochemical and histopathological evaluation of functionalized single-walled carbon nanotubes to Swiss-Webster mice. Paper presented at the 51st Annual Meeting of the Society of Toxicology. San Francisco, California. March 11-15, 2012.

425. Radovic V, Vitale K and **Tchounwou PB**. How to Provide Safety of Health Facilities in Natural Disasters: Experiences and Challenges from South East Europe: Croatia and Serbia. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

424. Kishinhi SS, **Tchounwou PB**, Farah IO and Lukasik J. Molecular Approach to Microbiological Examination of Water in the Grand Bay National Estuarine Research Reserve (NERR) in Mississippi. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

423. Beasley J, Kafoury R, Reddy RS and **Tchounwou PB**. Transport Modeling of Particulate Matter (PM_{2.5}) Emissions from in Situ Burning of the 2010 Gulf Oil Spill to the Mississippi Gulf Coast. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

422. Sanders T, Liu Y and **Tchounwou PB**. Fe²⁺, Fe³⁺, Hg²⁺, Mn²⁺, Cd²⁺, Mg²⁺, and Pb²⁺-Induced Cytotoxicity, Genotoxicity, and Oxidative Stress in PC-12 Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

421. Gomes ME, Yedjou CG, Morais ML, Baptista CM and **Tchounwou PB**. Potential Adverse Health Effects in Angola Due to Heavy Metals Exposure. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

420. Brown K, Ndebele K, Graham B and **Tchounwou PB**. The Mechanisms of Nickel on the Carcinogenicity and Toxicity of Mammalian Respiratory Epithelial Cells (SW1573). Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

419. Reed L, Ndebele K and **Tchounwou PB**. Hexachlorobenzene Induces Mitogenic Signaling in Jurkat T Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

418. Byrd R, Yedjou CG and **Tchounwou PB**. Physiologic Doses of Ascorbic Acid Increase Arsenic Trioxide Toxicity in Human Jurkat -T Lymphoma Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

417. Jenkins JJ, Yedjou CG, Izevbigie E and **Tchounwou PB**. Basic Apoptotic Mechanisms of Vernonia amygdalina in Human Breast Cancer. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

416. Shavers M, Yedjou CG, Haynes L, Izevbigie E and **Tchounwou PB**. Vernonia amigdalina - Induced Toxicity and Cell Death through Necrosis in Human Breast (MCF-7) Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

415. Saddler KL, Ndebele K, **Tchounwou PB** and Graham B. Effect of Silver Nanoparticles on Human Liver Carcinoma Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

414. Simmons W, Haynes L, Yedjou CG, Houssain A, Yu H and **Tchounwou PB**. In Vitro Acute Toxicity of Thioamide-Derivative to Human Liver Carcinoma (HepG₂) Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

413. Brown E, Yedjou CG and **Tchounwou PB**. Biomarkers for Apoptosis in Arsenic-Treated Hepatocellular carcinoma (HepG₂) Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

412. Tyrone G, Arslan Z, Ates M, Haynes L, Yedjou CG and **Tchounwou PB**. Relative Sensitivity of Three Human Cells (SW40, HL-60, and HepG₂) to Cadmium Selenide Paper

presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

411. Allen L, Caples W, Loving M, Yedjou CG and **Tchounwou PB**. Estradiol Induced Toxicity is Associated with Oxidative Stress in Leukemic Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

410. Meadows A, Giles H, Sutton D, Yedjou CG and **Tchounwou PB**. Basis Apoptotic Mechanisms of Lead in Human Leukemia (HL-60) Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

409. Milner JN, Yedjou CG and **Tchounwou PB**. A Study of the Apoptotic Mechanisms of Lead Toxicity in Human Leukemia (HL-60) Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

408. Jones S, Yedjou CG and **Tchounwou PB**. Arsenic Trioxide-Induced Toxicity and Cell Death through Necrosis in Human Leukemia (HL-60) Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

407. Kwembe W, Yedjou CG and **Tchounwou PB**. Propidium Iodide and Comet Assay Detection of Lead-Induced DNA Damage in Human Leukemia (HL-60) Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

406. Rogers C, Yedjou CG and **Tchounwou PB**. Vitamin D₃ Potentiates the Antitumor Effects of Arsenic Trioxide in Human Leukemia (HL-60) Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

405. Tuluri F, Reddy R S, Everett J, Beasley A, Olugbemiga E, Rao DVB, Yerramilli A and **Tchounwou PB**. Term and Regional Variations of Particulate Matter (PM_{2.5}) on Air Quality, and Related Health Impacts. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

404. Edwards FL, Yedjou CG and **Tchounwou PB**. Methyl Parathion and Parathion-Induced Cyto- and Geno-Toxicity in Human Liver Carcinoma Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

403. Patlolla A, McGinnis B, and **Tchounwou PB**. Biochemical and Histopathological Evaluation of Functionalized Single-Walled Carbon Nanotube in Swiss-Webster Mice. Paper

presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

402. Yedjou CG, Izevbigie E and **Tchounwou PB**. Vernonia amygdalina: A Novel Botanical Agent for the Treatment of Breast Cancer. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

401. Stevens JJ, Walker A and **Tchounwou PB**. Influence of Arsenic Trioxide on Oxidative Stress, Apoptosis and Expression of Caspase 3, c-Myc, and HSP-70 in HT-29 Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

400. Walker A, Stevens JJ, Ndebele K and **Tchounwou PB**. Analysis of Stress and Apoptotic Protein Expressions in Arsenic Trioxide-Treated Lung Cancer Cells. Paper presented at the Eighth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 18-21, 2011.

399. **Tchounwou PB**, Yedjou CG, Jenkins J and McMurray R. Trisenox-Based Chemotherapy of Acute Promyelocytic Leukemia-Molecular Mechanisms of Action. Paper presented at the 11th International Symposium on Metal Ions in Biology and Medicine. Cambridge, England. June 19-24, 2011.

398. Stevens J and **Tchounwou PB**. Arsenic Trioxide –Induces DNA Damage and Apoptosis in Human Colon Cancer Cells Through Oxidative Stress. Paper presented at the 11th International Symposium on Metal Ions in Biology and Medicine. Cambridge, England. June 19-24, 2011.

397. Yedjou CG and **Tchounwou PB**. In-vitro Assessment of Lead-Induced Apoptosis in Human Liver Carcinoma Cells. Paper presented at the 11th International Symposium on Metal Ions in Biology and Medicine. Cambridge, England. June 19-24, 2011.

396. Byrd R, Allen L, Yedjou CG and **Tchounwou PB**. Ascorbic Acid and Arsenic Trioxide Show in Vitro Promise as a Treatment Option for Drug Resistant Lymphoma Paper presented at the 11th International Symposium on Metal Ions in Biology and Medicine. Cambridge, England. June 19-24, 2011.

395. Walker A, Stevens J and **Tchounwou PB**. Analysis of Stress and Apoptotic Protein Expressions in Arsenic Trioxide-Treated Lung Carcinoma A549 Cells Paper presented at the 11th International Symposium on Metal Ions in Biology and Medicine. Cambridge, England. June 19-24, 2011.

394. Yedjou C and **Tchounwou PB**. Lead-induced cell cycle arrest in human liver carcinoma (HepG2) cells: involvement of oxidative stress, p53 and cyclin A. Paper presented at the 11th International Symposium on Metal Ions in Biology and Medicine. Cambridge, England. June 19-24, 2011.

393. **Tchounwou PB**, Evans E and Yerramilli A. Effects of Hurricane Katrina on Land Cover within the Grand Bay National Estuarine Research Reserve in Mississippi. Paper presented at the NATO Advanced Research Workshop on Environmental Security for Southern Europe and Ukraine. Dnepropetrovsk, Ukraine. May 16-20, 2011.

392. Stevens JJ, Walker AM and **Tchounwou PB**. Arsenic Trioxide Modulates Genotoxicity, Cell Cycle Regulation, and Apoptosis in Colon Carcinoma (HT-29) Cells. Paper presented at the 6th Annual National Symposium on Prostate Cancer at Clark Atlanta University, Atlanta, GA, March 14-16, 2010.

391. Walker AM, Stevens JJ and **Tchounwou PB**. Arsenic Trioxide Modulates DNA Synthesis and Apoptosis in Lung Carcinoma Cells. Paper presented at the 6th Annual National Symposium on Prostate Cancer at Clark Atlanta University, Atlanta, GA, March 14-16, 2010.

390. Gomez ME, Yedjou CG and **Tchounwou PB**. Environmental and Health Effects Resulting from Heavy Metal Exposure in Luanda Soil from Angola, Africa. Paper presented at the 50th Annual Meeting of the Society of Toxicology. Washington DC. March 6-10, 2011.

389. Yedjou CG and **Tchounwou PB**. Apoptotic Mechanisms of Arsenic Trioxide in Human Promyelocytic Leukemia (HL-60) Cells. Paper presented at the 50th Annual Meeting of the Society of Toxicology. Washington DC. March 6-10, 2011.

388. Brown ET, Yedjou CG and **Tchounwou PB**. In Vitro Genotoxic Mechanisms of Arsenic Trioxide in Human Hepatocellular Carcinoma Cells: Involvement of Oxidative Stress. Paper presented at the 50th Annual Meeting of the Society of Toxicology. Washington DC. March 6-10, 2011.

387. Patlolla AK, Hackett D and **Tchounwou PB**. Genotoxicity study of silver nanoparticles in bone marrow cells of Sprague-Dawley rats. International conference on nanoscience, nanotechnology and advance materials (NANOs2010) Vizag, Andhra Pradesh, India. December 17-19, 2010.

386. Patlolla AK, Hussain S, Schlager J, Patlolla S and **Tchounwou PB**. Comparative clastogenic study of functionalized and non-functionalized multi-walled carbon nanotube in bone marrow cells of Swiss-Webster mice. 3rd BangaloreNano, Bangalore, Karnataka, India. December 8-9, 2010.

385. Walker A, Stevens JJ and **Tchounwou PB**. Arsenic Trioxide Induces Oxidative Stress, DNA Damage, and Apoptosis in Lung Cancer Cells. Paper presented at the 12th RCM International Symposium on Health Disparities. Nashville, Tennessee. December 6-9, 2010.

384. Stevens JJ and **Tchounwou PB**. Arsenic Trioxide Induces DNA Damage, Cell Cycle Arrest and Apoptosis in HT-29 Cells. Paper presented at the 12th RCM International Symposium on Health Disparities. Nashville, Tennessee. December 6-9, 2010.

383. Yedjou CG, and **Tchounwou PB**. Molecular Mechanism of Garlic Extract as Anti-Cancer

Agent in the Management of Acute Promyelocytic Leukemia: Involvement of Oxidative Stress, Phosphatidyl Serine Externalization, Caspase 3 Activation and DNA Fragmentation. Paper presented at the 12th RCMI International Symposium on Health Disparities. Nashville, Tennessee. December 6-9, 2010.

382. Walker A, Stevens J, **Tchounwou P**. Arsenic Trioxide Induces Oxidative Stress, DNA Damage and Apoptosis in Lung Cancer Cells. Paper presented at the 6th Conference on Molecular Mechanisms of Metal Toxicity and Carcinogenicity. Hilton Hotel, Lexington, Kentucky, USA. November 15-17, 2010.

381. Wright TT, Yedjou CG, Graham B, Nbebele K, and **Tchounwou PB**. Molecular Mechanism of Perfluorooctanoic Acid Induced Toxicity in Human Prostate (RWPE-1) Cells. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

380. Skipper A, Yedjou CG, and **Tchounwou PB**. Molecular Mechanisms of Cadmium Chloride Toxicity in Human Liver Carcinoma (HEPG₂) Cells. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

379. Isokpehi RD, Cohly Hari H.P., Anyanwu MN, Rajnarayanan RV, **Tchounwou PB**, Udensi UK, and Graham-Evans BE. Effects of Single Nucleotide Polymorphisms on Arsenic-Cysteine Interactions. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

378. Ladner DC, and **Tchounwou PB**. Growth and Photosynthesis of Tomato, *Lycopersicon esculentum*, in Response to Biological Chitin Amendment. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

377. Tchounwou CK., Yedjou CG, and **Tchounwou PB**. Molecular Mechanisms of High Glucose Induced Toxicity in Human Breast Adenocarcinoma (MCF-7) Cells. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

376. Patlolla AK, Berry A, May L, and **Tchounwou PB**. Genotoxicity of Silver Nanoparticles in *Vicia faba*. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

375. Patlolla AK, Hackett D, and **Tchounwou PB**. Serum Aminotransferases and Alkaline Phosphatases as Biomarkers of Hepatotoxicity in Spague Dawley Rats Exposed to Silver Nanoparticles.. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

374. Patlolla AK, Hackett D, and Joanna H, Yedjou CG, Cameron J, and **Tchounwou PB**. Functionalized Single Walled Carbon Nanotube Induced Oxidative Stress in Liver of Swiss Webster Mice. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

373 Gomes ME, Yedjou CG, Morais ML, Baptista CM. and **Tchounwou PB**. Assessment of Heavy Metals in Luanda Soil from Angola, Africa. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

372. Thomas D, Gomes ME, Yedjou CG, and **Tchounwou PB**. Assessment of Lead in Luanda Soil from Angola, Africa. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

371. Demerritt B, Yedjou CG, and **Tchounwou PB**. . Evaluation of Heavy Metals in Soil Using the XRF Niton Instrument. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

370. Kishinhi SS, **Tchounwou PB**, and Farah IO. Molecular Approach for Targeting Specific Fecal Contamination in the Grand Bay Mississippi. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

369. Beasley J, Remata SR, and **Tchounwou PB**. Environmentakl and Health Effects on Mississippi Gulf Coast Resulting from Gulf of Mexico Deep Water Horizon Oil Spill. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

368. El-Sadek L, Aggarwal A, Aggarwa V, Reddy S, and **Tchounwou PB**. Environmental Pollution, Oil Spill and Health Effects. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

367. McHenry MN., Arslan Z, and **Tchounwou PB**. Determination of Mercury in Water, Sediment and Soil Samples From National Estuarine Research Reserve (NERR). Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

366. Powe DK, Khan IA, Dasmahapatra AK. and **Tchounwou PB**. Effect of Oxyfluorfen on Development of Medaka (*Oryzias latipes*). Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

365. Sanders T, Liu YM, and **Tchounwou PB**. Cytotoxicity of FE^{2+} , FE^{3+} , HG^{2+} , MN^{2+} , CD^{2+} , MG^{2+} , and PB^{2+} to PC^{-12} Cells. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

364. Brown E, Yedjou CG. and **Tchounwou PB**. Oxidative Stress Mediated DNA Damage and Apoptosis in Arsenic Treated Human Hepatocellular Carcinoma Cells. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

363. Walker AM, Stevens JJ, and **Tchounwou PB**. Arsenic Trioxide Induced Genotoxicity and Morphological Changes of Apoptosis in Lung Cell. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

362. Smith J, Yedjou CG, and **Tchounwou PB**. Water Soluble Garlic Extract Induced Cytotoxic Effect on Human Leukemic Cells Involvement of Nucleosomal DNA Fragmentation. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

361. Reed L, Ndebele K, and **Tchounwou PB**. The study and Characterization of Hexachlorobenzene Effects on Leukemia TImphocytes. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

360. Taylor A, Yedjou CG, and **Tchounwou PB**. Modulation of Caspase-3 Activity in Human Leukemia (HL-60) Cells by Garlic Extract. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

359. Walker N, Yedjou CG, and **Tchounwou PB**. In Vitro Indices of Oxidative Stress in Lead Exposed to Human Liver Carcinoma (HEPG2) Cells. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

358. Jackson S, Yedjou CG, Hossain A, Cameron J, and **Tchounwou PB**. Modulation of Apoptosis and Necrosis in Human Liver Carcinoma (HEPG2) Cells by Thiomide. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

357. Thuisseu L, Yedjou CG, and **Tchounwou PB**. Garlic Extract-Induced Phosphatidylserine Externalization independent of oxidative Stress in Human Leukemia (HL-60) Cells. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

356. Hullitt J, Yedjou CG, Cameron J, and **Tchounwou PB**. β -Estradiol Induced oxidative Stress in Leukemic (HL-60) and Jurkat Cells. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

355. Giles H, Sutton D, Yedjou CG, and **Tchounwou PB**. Basis Apoptotic Mechanisms of Lead in Human Leukemia (HL-60) cells. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

354. Udensi UK., Isokpehi RD, Cohly Hari H.P, **Tchounwou PB**. and Barbara E. Graham-Evans. Arsenic Trioxide Induces AKR1C3 in HACAT a Possible Marker for Cell Proliferation in Keratinocytes. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

353. Patlolla AK, Hackett D, and **Tchounwou PB**. Genotoxicity Study of Silver Nanoparticles in Bone Marrow Cells of Sprague-Dawley Rats. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

352. Stevens JJ, Graham B, Walker AM, **Tchounwou PB**, and Rogers C. The Effects of Arsenic Trioxide on DNA Synthesis and Genotoxicity in Human Colon Cancer Cells. Paper presented at the Seventh International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 12-15, 2010.

351. Walker A, Stevens J, **Tchounwou P**. Arsenic trioxide modulates DNA synthesis and apoptosis in lung carcinoma cells. Paper presented at the 101st Annual Meeting of the American Association for Cancer Research. Washington Convention Center; Washington, DC. April 17-21, 2010.

350. Skipper A, Yedjou C, Ndebele K, **Tchounwou P**. Cadmium-induced toxicity in human liver carcinoma (HepG2) cells: Involvement of oxidative stress, phosphatidylserine externalization, and nucleosomal DNA fragmentation. Paper presented at the 101st Annual Meeting of the American Association for Cancer Research. Washington Convention Center; Washington, DC. April 17-21, 2010.

349. Brown E, Yedjou C, **Tchounwou P**. Involvement of phosphatidylserine externalization and DNA damage in arsenic-induced toxicity to hepatocellular carcinoma (HepG2) cells. Paper presented at the 101st Annual Meeting of the American Association for Cancer Research. Washington Convention Center; Washington, DC. April 17-21, 2010.

348. Yedjou C, **Tchounwou P**. In vitro pharmacological studies of water soluble garlic extract (WSGE) in the management of acute promyelocytic leukemia (APL). Paper presented at the 101st Annual Meeting of the American Association for Cancer Research. Washington Convention Center; Washington, DC. April 17-21, 2010.

347. Patlolla A, McGinnis B, **Tchounwou P**. Biochemical and histopathological evaluation of mice exposed to functionalized single-walled carbon nanotube. Paper presented at the 101st Annual Meeting of the American Association for Cancer Research. Washington Convention Center; Washington, DC. April 17-21, 2010.

346. Powe DK, Khan IA, Dasmahapatra AK, and **Tchounwou PB**. Effect of oxyfluorfen on Medaka (*Oryzias latipes*) development. Paper presented at the 49th Annual Meeting of the Society of Toxicology. Salt Lake City, Utah, USA. March 14-18, 2010.

345. Patlolla AK, Hussain SM, Schlager JJ, Patlolla S and **Tchounwou PB**. Comparative study of the clastogenicity of functionalized and non-functionalized multi-walled carbon nanotubes in bone marrow cells of Swiss-Webster mice. Paper presented at the 49th Annual Meeting of the Society of Toxicology. Salt Lake City, Utah, USA. March 14-18, 2010.

344. Wright TT, Yedjou C and **Tchounwou P**. In-vitro mechanisms of perfluorooctanoic acide (PFOA)-induced apoptosis in human prostate (RWPE-1) cells via oxidative stress. Paper presented at the Annual Biomedical Research Conference for Minority Students. Las Vegas, Nevada. November 2-5, 2009.

343. Skipper A, **Tchounwou P** and Yedjou C. In-vitro mechanisms of cadmium-induced apoptosis in human liver carcinoma (HepG2) cells. Paper presented at the Annual Biomedical Research Conference for Minority Students. Las Vegas, Nevada. November 2-5, 2009.

342. **Tchounwou PB** and Yedjou CG. Trisenox-Based Chemotherapy of Acute Promyelocytic Leukemia: Molecular Mechanisms of Action. Paper presented at the 7th International Drug Development Science and Technology Conference. Shanghai, China. October 22-26, 2009.

341. **Tchounwou PB**. Health Risk Assessment and Management of Arsenic Toxicity and Carcinogenicity. Paper presented at the University of Bordeaux. Bordeaux, France. September 24-25, 2009.

340. **Tchounwou PB** and Balarezo A. Acute Toxicity of Lead Nitrate to Red Swamp Crayfish, *Procambarus clarkii* Paper presented at the 2009 International Symposium on Environmental Health Risk. Wessex Institute of Technology. South-Hampton, England. September 19-23, 2009.

339. McHenry MN, Arslan Z and **Tchounwou PB**. Profiling Mercury Distribution in National Estuarine Research Reserve (NERR) by Cold Vapor Generation AAS: *Preliminary Results from Water, Sediment and Fish Samples*. Paper presented at the Sixth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2009.

338. Kishinhi SS, Farah IO, Ndebele K, Graham B, McHenry M, Lackey H, Watters C, Woodrey M, Ruple D, Walters C and **Tchounwou PB**. Molecular Approach for Targeting Specific Fecal Contamination in the Grand Bay. Paper presented at the Sixth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2009.

337. Powe DK, Khan IA, Dasmahapatra AK and **Tchounwou PB**. Effect of Oxyfluorfen on Development of Medaka (*Oryzias latipes*). Paper presented at the Sixth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2009.

336. Demerritt B, Yedjou CG, and **Tchounwou PB**. Assessment of Heavy Metals in Jackson Public School Playgrounds. Paper presented at the Sixth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2009.

335. Lu D, Reddy, RS, Fitzgerald R., Stockwell WR., Williams Q L and **Tchounwou PB**. Multiscale Comparison of Air Quality Modeling for an Ozone Occurrence during the 1996 Paso Del Norte Ozone Campaign. Paper presented at the Sixth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2009.

334. Patlolla AK, Berry A, Land D and **Tchounwou PB**. Determining Cytotoxicity of Nano Iron Oxide in HepG₂ Cell Line Using MTT Assay. Paper presented at the Sixth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2009.

333. Patlolla AK, Brittney M, and **Tchounwou PB**. Biochemical Analysis of Certain Liver Enzymes in Mice Exposed to Functionalized Single-Walled Carbon Nanotube. Paper presented at the Sixth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2009.

332. Reed L, Ndebele K and **Tchounwou P B**. The Study and Characterization of Hexachlorobenzene Effects on Jurkat CD4⁺ T Lymphocytes. Paper presented at the Sixth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2009.

331. Brown A., Milner J, Yedjou CG and **Tchounwou PB**. Lead Induces Apoptosis (Programmed Cell Death) in Human Leukemia (HL-60) Cells via Oxidative Stress. Paper presented at the Sixth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2009

330. Brown E, Yedjou CG. and **Tchounwou PB**. Arsenic-Induced Cytotoxicity and Apoptosis in Hepatocellular Carcinoma (HEPG₂) Cells. Paper presented at the Sixth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2009.

329. Giles HR, Igboavodha M., Sutton D, Yedjou CG and **Tchounwou PB**. Basis Apoptotic Mechanisms of Lead Toxicity in Human Leukemia (HL-60) Cells. Paper presented at the Sixth International Symposium on Recent Advances in Environmental Health Research. Marriott Hotel, Jackson, Mississippi. September 13-16, 2009.

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