

Curriculum Vitae

Dr. PAUL C TURNER

PhD, BSc (*with Honors*), AUS (*with Distinctions*)

Notarization: I have read the following and certify that this *curriculum vitae* is a current and accurate statement of my professional record.

Signature 

Date 11/20/2020

PERSONAL INFORMATION

Associate Professor & Director of Graduate Studies

Maryland Institute for Applied Environmental Health
University of Maryland, School of Public Health
College Park, MD 20742-2611
Phone: 301-405-6583
pturner3@umd.edu

Affiliate Faculty, Department of Epidemiology and Biostatistics
University of Maryland
School of Public Health

Associate Faculty, Joint Institute for Food Safety and Applied Nutrition/CFS³
University of Maryland,
College of Agriculture and Natural Resources.

EDUCATION

1995

Doctor of Philosophy – Chemistry, University of Edinburgh

Department of Chemistry, Edinburgh, UK

Academic Advisor: Dr Tom Brown, PhD, FRSC. Industrial Advisor: Dr J Paul Aston

Industrial placement: 18 months

Division of Environmental Biochemistry & Toxicology - Royal Dutch Shell Research Ltd., UK.

Dissertation: Development of immunochemical methods to detect point mutations in the form of mismatched base pairs in DNA.

Funding: Full Studentship for PhD Program - Industrial Cooperative Award in Science & Technology

1990

Bachelor of Science (Hons): Biochemistry and Toxicology, University of Surrey

Department of Biochemistry, Guildford, UK

Advisor: Dr Susanna Hourani

Thesis: *In vitro investigation of cAMP analogues in signal transduction pathways*

1988-89

BS Industrial Training: four internships - full time – over 1 year

Division of Environmental Biochemistry & Toxicology, Royal Dutch Shell Research Ltd., UK.

Advisors: Drs Dave Britten, Elizabeth Harrison, Terry Roberts and Alan Wright

Sept-Nov: ELISA measurement of insecticide (WL-10433) recovery from field trial test soils.

Dec-Feb: Development of an ELISA to detect WL-115110 oil marker.

Mar-May: Anti WL-1185 insecticide residue antibody purification and peroxidase conjugation.

Jun-Aug: Development of PAGE techniques to isolate chemically modified DNA fragments.

Award: Associateship of the University (**AUS**) with Distinctions for industrial training.

1987

Summer Internship – 3 months

Cell Membrane Group, Dept. Biochemistry, St. Georges Hospital Medical School, London, UK.

Mentors: Prof C Pasternak, Dr A Warren

Project: *Arsenic, temperature and viral stressors of hexose transporter proteins in BHK cells.*

- 1986 Summer & Winter Internship – 4 months**
Cell Membrane Group, Dept. Biochemistry, St. Georges Hospital Medical School, London, UK.
Mentors: Prof C Pasternak
Project: Viral stressors and metal transport in embryonic chick eggs
- 1984 - 85 10-month Internship – part time**
Science Laboratory Technician, Sylvan High School, London, UK.
- 1984 Summer and Winter Internship – 4 months**
Health Resources Technician, Croydon Health Authority, Surrey, UK.
- 1982 High School Internship – 2 weeks**
Physics Laboratory Technician, Croydon College, UK.

EMPLOYMENT

- 2017 – 20 Associate Professor – Tenured**
Maryland Institute for Applied Environmental Health
School of Public Health
University of Maryland, College Park, MD, US
- 2011 - 17 Assistant Professor – Tenure track**
Maryland Institute for Applied Environmental Health
School of Public Health
University of Maryland, College Park, MD, US
- 2012 – 15 Honorary Assistant Professor**
School of Biological Sciences
University of Hong Kong, China.
- 2010 – 11 Academic visitor and consultant**
Molecular Epidemiology Unit
School of Medicine
University of Leeds, UK
- 2007 – 10 Senior Research Fellow – Tenured**
Molecular Epidemiology Unit
School of Medicine
University of Leeds, UK
- 2002 – 07 Senior Research Fellow - Tenure-track 5 year UL Fellowship**
Molecular Epidemiology Unit
School of Medicine
University of Leeds, UK
- 1997 – 02 Research Fellow - NIEHS funded**
Molecular Epidemiology Unit
School of Medicine
University of Leeds, UK
- 1994 – 97 Postdoctoral Fellow**
Jack Birch Unit for Carcinogenesis
Department of Biology
University of York, UK.

Visiting Scientist

- 2005 Visiting Scientist - 7 month** - with Prof John Groopman
Division of Environmental Health Sciences
Bloomberg School of Public Health, Johns Hopkins University
- 2003 Visiting Scientist - 4 months** - with Prof John Groopman
Division of Environmental Health Sciences
Bloomberg School of Public Health, Johns Hopkins University

Training

2019	SBM: Training Certification: Good Clinical Practice for Social and Behavioral Research
2017	UMD Office of Civil Rights & Sexual Misconduct Training Certification: Disability & Accessibility at the University of Maryland.
2017	CITI - Ethical conduct of research – UMD
2014	CTE workshop: Inclusion and Diversity workshop <i>Classroom interaction and non-native English speakers: What can we do better?</i>
2012	CITI Conflict of Interest mini-course Curriculum Completion Report – UMD
2009	Johns Hopkins University - Workshop: Ethical Conduct of Research
2002	Grant Writing and Presentation skills, Univ Leeds, UK. Three-day course.

MAJOR SOURCES OF FUNDING

2017 – 22	Gates Foundation: \$5,000,000 Role Co- I <i>main contract with Cornell University</i> <i>Trial to establish the causal linkage between mycotoxin exposure and child stunting</i> Sub-Contract to UMD
2016-17	Funding for Gordon Research & Seminar \$41,300: Role PI Various Contributors: National Institutes of Health (NIH), Society of Toxicology, Vicam, Biomin, Toxins, FlowCam, Beacon, Carl Strom International Diversity Fellowship, Center for Sponsored Coastal Ocean Research*, GRC
2015 – 17	Borlaug Fellowship \$35,950: Role PI <i>Use of soybeans and peanuts in the preparation of complementary foods (Weanimix) in Ghana.</i>
2015 – 16	Stadt Wien-BOKU Research Fund, Austria \$99,344 equivalent - Role Co-I contract in Austria MycoMarker: <i>Quantifying food-borne mycotoxin intake by advanced biomarker based exposure assessment to improve food safety.</i>
2014 - 15	Gates Foundation: \$15,000 (subcontract of Cornell University grant) Role Consultant Establishing the link between mycotoxin exposure, gut dysfunction and stunting in Zimbabwean infants.
2013-16	Gates-Foundation: \$110,000 Role PI <i>Mycotoxins as a risk factor in childhood growth impairment worldwide</i>
2010 – 15	Research Grants Council of Hong Kong: \$150,000 equivalent Role Co-PI <i>Fusarium toxins, enterocyte-mediated defence responses and targets for probiotic intervention.</i>
2010 - 12	European Union Framework 7: \$84,000 equivalent Role PI <i>Novel integrated strategies for worldwide mycotoxin reduction in food and feed chains - Subtask 7.2</i>

- 2009 - 10** **Environmental Cancer Risk, Nutrition and Individual Susceptibility – EU network of Excellence (ECNIS)**
\$54,000 equivalent Role PI
A biomarker survey for Fusarium mycotoxins in northern Iran, a high risk area for esophageal cancer
- 2005 – 09** **Finnish Academy**
\$420,000 equivalent Role Co-I
Probiotic intervention in aflatoxin exposure in Egypt
- 2005 – 08** **UK Food Standards Agency**
\$335,000 equivalent Role Co-I
The analysis of urinary biomarkers of Fusarium mycotoxins
- 2002 – 07** **NIEHS Program Project**
\$850,000 equivalent Role Co-I
Molecular Biomarkers for Environmental Carcinogens
Project 1: Validation and application of risk biomarkers in human studies
Project 2: Application of biomarkers in human intervention studies
- 2002 – 06** **University of Leeds Fellowship**
\$390,000 equivalent Role PI
Medicine: URF/02/12 Study of the Molecular Basis of Complex Disorders
- 2000** **AACR-Pharmacia & Upjohn**
\$2,500 equivalent Role PI
Young Investigator Scholar Travel Award
Hepatitis B infection and aflatoxin biomarker levels in Gambian Children.
- 1998 - 01** **World Cancer Research Fund**
\$139,000 equivalent Role Co-I
Validation of human biomarkers of fumonisin exposure.
- 1998 – 99** **Health Canada**
\$8500 Role Co-PI
Analysis of human plasma for aflatoxin-B1 biomarker

PUBLICATIONS

†corresponding author or senior author; # advised undergraduate; * advised graduate; ** advised post-doc.
 BOOKS - ONE; BOOK CHAPTERS - SEVEN; MANUSCRIPTS – SIXTY EIGHT.

Books

1. Human exposure to aflatoxins and fumonisins. In: Mycotoxin control in low- and middle-income countries IARC Working Group Report 9 (2016). **Turner PC** - WP1 Co-chair. Ed. Wild, Miller, Groopman. IARC/WHO.

Book Chapters

1. Turner PC Aflatoxin B1 chemoprevention strategies in countries with frequent exposure to mycotoxins. In Mycored : Mycotoxin Reduction in Grain Chains: A Practical Guide, Edited by J.F. Leslie and A. Logrieco Eds. (2015). ISBN: 978-0-8138-2083-5. (Cited n=4)
2. †Turner PC & *Pasturel BZ Development and validation of exposure biomarkers to dietary contaminants mycotoxins: A case for aflatoxin and impaired child growth. In: Lee M-LT, Gail M, Pfeiffer R, Satten G, Cai T, Gandy A, Eds. Risk assessment and evaluation of predictions. (2013). NY, US: Springer. p. 333–47.

3. †Turner PC, Van Der Westhuizen L, *Nogueira Da Costa A. Biomarkers of Exposure: Mycotoxins: aflatoxin, deoxynivalenol and fumonisins; in L. E. Knudsen and D. F. Merlo, Biomarkers and Human Biomonitoring, (2011) Vol 2 Chapter 6, Royal Society of Chemistry, Cambridge, UK. (Cited n=2)
4. **Gong Y, Turner PC, Hall AJ, †Wild CP Aflatoxin exposure and impaired child growth in West Africa: an unexplored international public health burden? In 'Mycotoxins Detection Methods, Management, Public Health and Agricultural Trade. (2008) (Eds. J. Leslie, R. Bandyopadhyay and A. Visconti). pp 53-66.
5. Scussel VM, *Haas P, **Gong Y, †Turner PC, Wild CP Study of aflatoxin exposure in a Brazilian population using an AF-alb biomarker. In Mycotoxins & phycotoxins: Advances in determination, toxicology and exposure management (2006). (Eds H Njapau, S Trujillo, HP van Egmond, DL Park). pp197-202. (Cited n=6)
6. †Groopman JD, Jackson PE, Turner PC, Wild CP, Kensler TW Validation of exposure and risk biomarkers: Aflatoxin as a case study. In Biomarkers of Environmentally Associated Disease (2002). (Ed SH Wilson, WA Suk). CRC Press pp 307-18.
7. †Wild CP and Turner PC Exposure biomarkers in chemoprevention studies of liver cancer. In Biomarkers in Cancer Chemoprevention. (2001) (Eds. AB Millar, H Bartsch, P Boffetta, L Dragsted, H Vainio) IARC Scientific Pub. No. 154, pp. 215-22. Cited n=19.

Manuscripts

Manuscript Stats, [web of science](#) 11/20/2020 for **71** peer reviewed publications: **i) cited 4,279** mean 61, **ii) h-index 37**, g-index 64, i10 = 61, m-quotient 1.71 **iii) mean Impact Factor (IF): 5.4**, *max IF: 53.5*.

1. Lo EKK, Lee JCY, **Turner PC**, El-Nezami H, (2020) Low dose of zearalenone elevated colon cancer cell growth by regulating Hippo pathway and activating ERK1/2 through G Protein-Coupled Receptor 30. **Scientific Reports - Nature** (in review)
2. Ezekiel CE, Abia WA, Braun D, Šarkanj D, Ayeni KI, Oyedele OA, Michael-Chikezie EC, Ezekiel VC, Mark B, Ahuchaogu CP, Krska R, Sulyok M, **Turner PC**, Warth B. (2020) Comprehensive mycotoxin exposure biomonitoring in breastfed and non-exclusively breastfed Nigerian children. **Environ. Health Perspectives** submitted **IF 8.4, Cited n=0**
Contribution: Co-conceived study idea; supervised data collection and statistical analysis; wrote major portions of the manuscript and revisions
3. Braun D, Abia WA, Šarkanj B, Sulyok M, Walhoer T, Erber AC, Krska R, **Turner PC**, Marko D, Ezekiel CN, Warth B (2020) Mycotoxin-mixture assessment in mother-infant pairs in Nigeria: From mothers' meal to infants' urine. **Exposure and Health** (submitted) **IF 4.8**
4. Abia WA, Tchana AT, Djonabaye D, Sarkanj, Ezekiel CN, Mfopouf EY, Sulyok M, **Turner PC**, Elliott CT, Warth B, Krska R, Moundipab PF. (2020) Assessment of urinary biomarkers of mycotoxin exposures in adults from Cameroon. **Exposure and Health** (submitted) **IF 4.8, Cited n=0**
Contribution: Co-conceived study idea; supervised data collection and statistical analysis; wrote major portions of the manuscript and revisions
5. Phillips EL, Kassim N, Smith LE, Ngure FM, Makule E, **Turner PC**, Nelson RJ, Kimanya M., Stoltzfus R. (2020). Randomized mitigation trial to restrict mycotoxin exposure in Kongwa, Tanzania: Study Design. **BMC Public Health** 20:598 <https://doi.org/10.1186/s12889-020-08694-6> **accepted IF 2.5, Cited n=0**
Contribution: Co-Conceived study idea / Co-PI of funding; designed study; wrote major portions of the manuscript and revisions
6. Wan MLY, **Turner PC**, Co VA, Wang MF, Amiri KMA, El-Nezami H. (2019) Schisandrin A protects intestinal epithelial cells from deoxynivalenol-induced cytotoxicity, oxidative

damage and inflammation. **Scientific Reports (Nature)**. 9; 19173 doi: 10.1038/s41598-019-55821-4 **IF 4.0, Cited n=1.**

Contribution: Co-Conceived study idea / Co-PI of funding; designed study; supervised data collection and statistical analysis; wrote major portions of the manuscript and revisions

7. Ezekiel CN, Sulyok M, Ogara IM, Abia WA, Warth B, Šarkanj B, **Turner PC**, Krska R. (2019) Mycotoxins in uncooked food and ready-to-eat household diets from rural northern Nigeria. **Food Chem Toxicol.** 128:171-9. **IF 4.7 Cited n=2.**
Contribution: Advised analytical plan and design of manuscript, writing and proofing.
8. *Craddock H, Huang D, Quiros-Alcala, L, **Turner PC**, †Payne-Sturges D. (2019) Trends in neonicotinoid pesticide residues in food and water in the United States, 1999-2015. **Env Health** 8(1):7. doi: 10.1186/s12940-018-0441-7. **IF 4.4, Cited n=13.**
Contribution: Co-devised analytical plan, manuscript revisions.
9. Braun D, Ezekiel C, Abia W, Wisgrill L, Degen G, **Turner PC**, Marko D, Warth B (2018) Monitoring early-life mycotoxin exposures via LC-MS/MS breast milk analysis. **Anal. Chem.** 90(24): 14569-14577. **IF 6.8, Cited n=6.**
Contribution: Advised analytical plan and design of manuscript, writing and proofing.
10. Šarkanj B, Sulyok M, Ezekiel CN, **Turner PC**, Abia WA, Rychlik M, Krska R Sulyok M, Warth B. (2018) Ultra-sensitive, stable isotope assisted quantification of multiple mycotoxin exposure biomarkers. **Anal. Chim. Acta.** 1019:84-92. **IF 6.0, Cited n=31.**
Contribution: Advised analytical plan and design of manuscript, writing and proofing.
11. †Turner PC, Solfrizzo M, *Gost A, Gambacorta L, Olsen M, Wallin S, Kotova N. (2017) Comparison of single and multi-analyte methods for determination of urinary total deoxynivalenol in human samples. **J. Agri. Food Chem.** 65: 7115-7120. **IF 4.2, Cited n=2.**
Contribution: designed study/statistical plan; drafted the manuscript, lead author.
12. *Smith LE, Mbuya MNN, Prendergast AJ, **Turner PC**, Ruboko S, Humphrey JH, Nelson RJ, Chigumira A, Kembo G, Stoltzfus RJ. (2017) Determinants of urinary aflatoxin M1 in pregnant women in rural Zimbabwe. **Mol. Nutr. Food Res.** **IF 5.3, Cited n=7. (doi: 10.1002/mnfr.201601049)**
Contribution: Co-Conceived analytical plan, plus technical advice; wrote major portions & revised.
13. Abia W, Warth B, Ezekiel CN, Sarkanje B, **Turner PC**, Krska R, Sulyoka M. (2017) Uncommon toxic microbial metabolite patterns in traditionally home-processed maize porridge (fufu) consumed in rural Cameroon. **Food Chem. Toxicol.** 107: 10-19. **IF 4.7, Cited n=12.**
Contribution: Supported study design, and draft and finalizing of manuscript.
14. Smith L, Prendergast A, **Turner PC**, Humphrey JH, Stoltzfus R. (2017) Aflatoxin exposure in pregnancy, maternal anaemia and adverse birth outcomes: a review. **Am. J. Trop. Med. Hygiene** 96(4) 770-6. **IF 2.1, Cited n=17.**
Contribution: Co-I of funds, supervised study design, data collection /analysis, revised manuscript.
15. Warth B, Braun D, *Ezekiel CN, **Turner PC**, Degen GH, †Marko D. (2016). Bio-monitoring of mycotoxins in human breast milk: Current state and future perspectives. **Chem. Res. Toxicol.** 29: 1087–97. **IF 3.2, Cited n=26.**
Contribution: Designed manuscript format and significant contributions to writing and revision.
16. *Wan ML, †**Turner PC**, El-Nezami H. (2016) Lactobacillus rhamnosus GG modulates intestinal mucosal barrier and inflammation in mice following combined dietary exposure to deoxynivalenol and zearalenone. **J. Functional Foods.** 22: 34-43. **IF 3.7, Cited n=21.**
Contribution: Co-Conceived study idea designed study; wrote major portions of the manuscript.
17. *Smith LE, Prendergast AJ, **Turner PC**, Mbuya MN, Mutasa K, Kembo G, †Stoltzfus RJ (2015). The potential role of mycotoxins as a contributor to stunting in the SHINE Trial. **Clin. Infect. Dis.** 61 Suppl 7:S733-7. doi: 10.1093/cid/civ849. **IF 8.3, Cited n=19.**

Contribution: Co-Conceived study idea designed study; wrote major portions of the manuscript.

18. *Wan ML, Allen KJ, **Turner PC**, †El-Nezami H. (2014). Modulation of mucin mRNA (MUC5AC and MUC5B) expression and protein production and secretion in Caco-2/HT29-MTX co-cultures following exposure to individual and combined Fusarium mycotoxins. **Toxicol. Sci.** 139: 83-98. doi: 10.1093/toxsci/kfu019. **IF 3.7, Cited n=23.**
Contribution: Co-Conceived study idea / Co-PI of funding; designed study; supervised data collection and statistical analysis; wrote major portions of the manuscript and revisions
19. *†Ezekiel C, Warth B, Ogara IM, Abia W, Ezekiel VC, Sulyok M, **Turner PC**, Krska R, Tayo G (2014) Exposure to mycotoxins in rural residents in northern Nigeria: a pilot, multi-urinary biomarker study. **Environ. Int.** 66: 138-45. doi: 10.1016/j.envint.2014.02.003. **IF 7.6, Cited n=77.**
Contribution: Designed study, supervised statistical analysis; co-wrote manuscript with first author. Addressed reviewer comments and revised.
20. *Abia W, Warth B, Sulyok M, Krska R, Tchana A, Njobeh PB, **Turner PC**, Kouanfack P, Eyongetah M, Dutton M, †Moundipa PF (2013) Biomonitoring of mycotoxin exposure in Cameroon using a urinary multi-biomarker approach. **Food Chem. Toxicol.** 62: 927-34. doi: 10.1016/j.fct.2013.10.003. PubMed in process. **IF 4.7, Cited n=62.**
Contribution: Supervised statistical analysis; co-wrote manuscript with first author. Addressed review comments and revised.
21. †Wallin S, Hardie LJ, Kotova N, Warensjö Lemming E, Nälsén C., Ridefelt P, **Turner PC**, White KLM, Olsen M (2013) A biomonitoring study of deoxynivalenol exposure and its association with typical cereal consumption in Swedish adults. **World Mycotoxin J.** 6 (4): 439-448. **IF 2.3, Cited n=22.**
Contribution: Co-Conceived study idea; designed study; supervised data collection and statistical analysis; wrote major portions of the manuscript.
22. *Wan LYM, Woo JCS, **Turner PC**, Wan JMF, †El-Nezami H (2013). Individual and combined effects of Fusarium toxins on the mRNA expression of pro-inflammatory cytokines in swine jejunal epithelial cells. **Toxicol. Lett.** 220: 238-46. doi: 10.1016/j.toxlet.2013.05.003. **IF 3.6, Cited n=41.**
Contribution: Co-Conceived study idea and funding; designed study; supervised data collection and statistical analysis and statistical analysis; wrote major portions of the manuscript.
23. *Wan LYM, †**Turner PC**, El-Nezami H (2013). Individual and combined cytotoxic effects of Fusarium toxins (deoxynivalenol, nivalenol, zearalenone and fumonisins B1) on swine jejunal epithelial cells. **Food Chem. Toxicol.** 57: 276-83. **IF 4.7, Cited n=109.**
Contribution: Co-Conceived study idea and funding; designed study; supervised data collection and statistical analysis and statistical analysis; wrote major portions. Corresponding author.
24. *Wan LYM, Woo JCS, Allen K, †**Turner PC**, El-Nezami H (2013). Modulation of porcine β -defensins 1 and 2 upon individual and combined Fusarium toxin exposure in a swine jejunal epithelial cell line. **Appl Environ Microbiol.** 79: 2225-32. **IF 4.0, Cited n=24.**
Contribution: Co-Conceived study idea and funding; designed study; supervised data collection and statistical analysis and statistical analysis; wrote major portions. Corresponding author
25. †**Turner PC.** (2013) The molecular epidemiology of chronic aflatoxin driven impaired child growth. **Scientifica** 2013; doi.org/10.1155/2013/152879. PMC3881689. **SJR 0.4, Cited n=33**
Contribution: Initiated and wrote manuscript
26. †**Turner PC**, Flannary B, #Issit K, #Ali M, Pestka J (2012).The role of biomarkers in evaluating human health concerns from fungal contaminants in food. **Nutrition Res. Rev.** 25: 162-79 doi: 10.1017/S0954422412 00008X. **IF 7.6, Cited n=102.**
Contribution: Invited to submit review article, invited co-authors, wrote >50% of the manuscript. Corresponding author.

27. †Turner PC, Gong YY, Pourshams A, Jafaric E, Routledge MN, Malekzadeh R, Wild CP, Boffetta P, Islami F (2012) A pilot survey for Fusarium mycotoxin biomarkers in women from Golestan, northern Iran. **World Mycotoxin J.** 5: 195-9. **IF 2.3, Cited 16.**
Contribution: PI of funding; designed study; supervised laboratory data collection and statistical analysis; wrote major portions of the manuscript. Corresponding author.
28. *Hepworth SJ, Hardie LJ, Fraser LK, Burley VJ, Mijal RS, Wild CP, Azad R, McKinney PA, †Turner PC. (2012) Deoxynivalenol exposure assessment in a cohort of pregnant women from Bradford, UK. **Food Addit. Contam. Part A: Chem. Anal. Control Expo. Risk Assess.** 29(2): 269-76. doi: 10.1080/19440049.2010.5 51301. **IF 2.3, Cited n=29.**
Contribution: Co-Conceived study idea and funding; designed study; supervised laboratory data collection and statistical analysis; wrote major portions and revisions.
29. *Piekkola S, Turner PC, Abdel-Hamid M, Ezzat S, El-Daly M, El-Kafrawy S, Savchenko E, Poussa T, Woo JC, Mykkänen H, †El-Nezami H (2012). Characterisation of aflatoxin and deoxynivalenol exposure among pregnant Egyptian women. **Food Addit. Contam. Part A: Chem. Anal. Control. Expo. Risk Assess.** 29: 962-71. **IF 2.3, Cited n=50.**
Contribution of Paul C Turner: Co-Conceived study idea and funding; designed study; supervised laboratory data collection and statistical analysis; wrote major portions of the manuscript.
30. *Hopton R, Oswald IP, Hardie LJ, Turner PC, †Fisher J (2012). Nuclear magnetic resonance analysis of glucose levels in weanling piglets plasma as a function of deoxynivalenol exposure. **ISRN Anal. Chem.** Article ID 132543, 5 pages. doi:10.5402/2012/132543. **IF 0.4, Cited n=1.**
Contribution: Co-Conceived study idea; designed study; supervised laboratory data collection and statistical analysis; wrote major portions of the manuscript.
31. Nielsen JKS, Vikström AC, Turner PC, †Knudsen LE (2011). Deoxynivalenol transport across the human placental barrier. **Food Chem. Toxicol.** 49: 2046-52. doi: 10.1016/j.fct.2011.05.016. **IF 4.7, Cited n=32.**
Contribution: conceived study idea; designed study; conducted laboratory data collection and statistical analysis; major role in writing the manuscript.
32. †Turner PC, Ji BT, Shu XO, Zheng W, Chow WH, Gao YT, Hardie LJ (2011). A biomarker survey of urinary deoxynivalenol in China: the Shanghai Women's Health Study. **Food Addit. Contam. Part A** 28: 1220-3. doi: 10.1080/19440049.2011.584070. PMC3171645. **IF 2.3, Cited n=24.**
Contribution: Co-I of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
33. †Turner PC, *Hopton R, White KLM, Fisher J, Cade JE, Wild CP (2011). Assessment of deoxynivalenol metabolite profiles in UK adults. **Food Chem Toxicol.** 49: 132-135. doi: 10.1016/j.fct.2010.10.007. PMC3010310. **IF 4.7, Cited n=63.**
Contribution: PI of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
34. †Turner PC (2010) Deoxynivalenol and nivalenol occurrence and exposure assessment. **World Mycotoxin J.** Special Edition 3: 315-321. **IF 2.3, Cited 29.**
Contribution: Wrote manuscript
35. †Turner PC, White KLM, Burley V, *Hopton R, #Rajendram A, Fisher J, Cade JE, Wild CP (2010) A comparison of deoxynivalenol intake and urinary deoxynivalenol in UK adults. **Biomarkers.** 15: 553-562. doi: 10.3109/1354750X.2010.495787. **IF 2.1, Cited n=75.**
Contribution: PI of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript

36. †Turner PC, *Hopton R, Lecluse Y, White KLM, Fisher J, Lebailly P (2010) Determinants of urinary deoxynivalenol in male farmers from Normandy, France **J. Agri. Food Chem.** 58: 5206–5212. doi: 10.1021/jf100892v. **IF 4.2, Cited n=75.**
Contribution: Co-I of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
37. *Hopton RP, Turner E, Burley VJ, Turner PC, †Fisher J (2010). Urine metabolite analysis as a function of deoxynivalenol exposure: an NMR-based metabolomics investigation. **Food Add. Contam. Part A** 27: 255-261. doi: 10.1080/19440040903314015. **IF 2.3, Cited n=18.**
Contribution: Co-I of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
38. †Turner PC, Taylor F, White KLM, Cade JE, Wild CP (2009). A comparison of 24 hour urinary deoxynivalenol with recent versus usual cereal consumption for UK adults **British J. Nutr.** 102: 1276–9 doi: 10.1017/S 0007114509990390. **IF 3.3, Cited n=27.**
Contribution: Co-I of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
39. Szymańska K, Chen JG, Cui Y, Gong YY, Turner PC, Villar S, Wild CP, Parkin DM, †Hainaut P (2009). TP53 mutations at codon²⁴⁹, exposure to aflatoxin, and subsequent occurrence of hepatocellular carcinoma in a cohort of chronic hepatitis B virus carriers from Qidong, China: a nested case-control study. **Cancer Epidemiol. Biomarkers Prev.** 18: 1638-43. doi: 10.1158/1055-9965.EPI-08-1102. **IF 4.3, Cited n=40.**
Contribution: Co-I, supervised laboratory data and statistical analysis; drafted parts of the manuscript.
40. Nikiema PN, Worilow L, Traore AS, Wild CP, †Turner PC (2008) Fumonisin exposure and the Shinganine/Sphingosine ratio in urine, serum and buccal cells in adults from Burkina Faso, West Africa. **World Mycotoxin J.** 1: 483-491. **IF 2.3, Cited n=13.**
Contribution: Co-I of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
41. †Turner PC, Burley VJ, Rothwell JA, White KLM, Cade JE, Wild CP (2008) Dietary wheat reduction decreases the level of urinary deoxynivalenol in UK adults. **J. Exposure Sci. Env. Epidemiol.** 18: 392–399. **IF 3.5, Cited n=53.**
Contribution: Co-I of funding, conceived study idea; designed study; laboratory data collection and statistical analysis; drafted the manuscript.
42. †Turner PC, Wu QK, *Piekkola S, *Gratz S, Mykkänen H, El-Nezami H (2008). *Lactobacillus rhamnosus* strain GG restores alkaline phosphatase activity in differentiating Caco-2 cells dosed with the potent mycotoxin deoxynivalenol **Food Chem. Toxicol.** 46: 2112-7. doi: 10.1016/j.fct.2008.02.004. **IF 4.7, Cited n=25.**
Contribution: Co-I, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
43. †Turner PC, Loffredo C, El-Kafrawy S. Ezzat S, Eissa S, Abdel-Latif S, el-Daly M, Nada O. Abdel-Hamid M. (2008). Pilot survey of aflatoxin-albumin adducts in sera from Egypt. **Food Add Contam. Part A.** 5: 583-587. doi: 10.1080/02652030701713939. **IF 2.3, Cited n=24.**
Contribution. Co-I of funding, conceived study idea; designed study; did laboratory data collection and statistical analysis; drafted the manuscript.
44. **Gong Y, Torres-Sanchez L. Lopez-Carrillo I, Peng JH, Sutcliffe AE, White KLM, Turner PC Humpf H. †Wild CP (2008). Association between tortilla consumption and human urinary fumonisin B1 levels in a Mexican population. **Cancer Epidemiol. Biomarkers Prev.** 17: 88-694. doi: 10.1158/1055-9965.EPI-07-2534. **IF 4.3, Cited n=62.**
Contribution: designed study; supervised laboratory data / statistical analysis; drafted the manuscript.

45. *Polychronaki N, Wild CP, Mykkänen H, Amra H, Abdel-Wahhab M, Sylla A, Diallo M, El-Nezami H, †Turner PC (2008). Urinary biomarkers of aflatoxin exposure in young children from Egypt and Guinea. **Food Chem. Toxicol.** 46: 519-526. **IF 4.7, Cited n=69.**
Contribution: Co-I, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
46. †Turner PC, Burley VJ, Rothwell JA, White KLM, Cade JE, Wild CP (2008). Deoxynivalenol: Rationale for development and application of a urinary biomarker. **Food Add. Cont. Part A.** 25(7): 864-871. doi: 10.1080/02652030801895040. **IF 2.3, Cited n=47.**
Contribution: Conceived manuscript and had major role in writing.
47. Turner PC, Rothwell JA, White KLM, Cade JE, †Wild CP (2008). Urinary deoxynivalenol is correlated with cereal intake in individuals from the United Kingdom. **Environ. Health Perspectives.** 116: 21-25. **IF 8.4, Cited n=105.**
Contribution: Co-I, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
48. Turner PC, Collinson AC, Cheung YB, **Gong YY, Hall AJ, Prentice AM, †Wild CP (2007). Aflatoxin exposure *in utero* causes growth faltering in Gambian infants. **Int J. Epidemiol.** 36: 1119-25. **IF 7.7, Cited n=151.**
Contribution: Co-I of funding, conceived study idea; designed study; did laboratory data collection and statistical analysis; drafted the manuscript.
49. *Polychronaki N, West RM, †Turner PC, Amra H, Abdel-Wahhab M, Mykkänen H, El-Nezami H (2007). Longitudinal assessment of aflatoxin M₁ excretion in breast milk of selected Egyptian mothers. **Food Chem. Toxicol** 45: 1210-1215. **IF 4.7, Cited n=66.**
Contribution: Co-I of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
50. *Gratz S, Wu QK, El-Nezami H, Juvonen RO, Mykkänen H, †Turner PC (2007) Lactobacillus rhamnosus strain GG reduces aflatoxin B₁ transport, metabolism and toxicity in Caco-2 cells. **Appl. Environ. Microbiol.** 73: 3958-3964. **IF 4.0, Cited n=88.**
Contribution: Conceived study idea; designed study; supervised laboratory data collection and statistical analysis; co drafted the manuscript.
51. *Gratz S, Täubel M, Juvonen RO, Viluksela M, Turner PC, Mykkänen H, †El-Nezami H (2006). *Lactobacillus rhamnosus* strain GG modulates intestinal absorption of aflatoxin B₁ and its fecal excretion and toxicity in rats. **Appl. Environ. Microbiol.** 72: 7398-7400. **IF 4.0, Cited n=83.**
Contribution: Conceived study idea; designed study; supervised laboratory data collection and statistical analysis; co drafted the manuscript.
52. *Polychronaki N, Turner PC, Hannu M, **Gong Y, Amra H, Abdel-Wahhab M, †El-Nezami H (2006). Determinants of aflatoxin M₁ in breast milk in a selected group of Egyptian mothers. **Food Add. Contam.** 23: 700-8. **IF 2.3, Cited n=61.**
Contribution: Co-I of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
53. †Scholl PF, Turner PC, Sutcliffe AE, Sylla A, Diallo MS, Friesen MD, Groopman JD, Wild CP (2006). Quantitative comparison of aflatoxin B₁ serum albumin adducts in humans by isotope dilution mass spectrometry and enzyme linked immunosorbent assay. **Cancer Epidemiol. Biomarkers Prev.** 15: 823-6. **IF 4.3, Cited n=47.**
Contribution: Co-I of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
54. Egal S, Hounsa A, **Gong YY, Turner PC, Wild CP, Hall AJ, Hell K, †Cardwell K (2005). Dietary exposure to aflatoxin from maize and groundnut in young children from Benin and Togo, West Africa. **Int. J. Food Microbiol.** 104: 215-24. **IF 4.2, Cited n=103.**

Contribution: Designed study; supervised laboratory data collection/statistical analysis; drafted manuscript.

55. †Turner PC, Sylla A, Kuang SY, *Marchant CL, Diallo MS, Hall AJ, Groopman JD, Wild CP (2005) Absence of TP53 codon 249 mutations in Guinean infants with high aflatoxin exposure **Cancer Epi. Biomarkers Prev** 14: 2053-5. **IF 4.3, Cited n=26.**
Contribution: Co-I of funding, conceived study idea; designed study; conducted laboratory data collection and statistical analysis; drafted the manuscript.
56. Turner PC, Sylla A, **Gong YY, Diallo MS, Sutcliffe AE, Hall AJ, †Wild CP (2005). Reduction in exposure to carcinogenic aflatoxins by simple post-harvest intervention measures in West Africa. **The Lancet** 365: 1950-56. **IF 60.4, Cited n=165.**
Contribution: Co-I of funding, developed study idea; supported designed study; supported laboratory analysis and statistical analysis; drafted the manuscript.
- †Kirk G, Turner PC, **Gong YY, Lesi OA, Mendy M, Goedert JJ, Hall AJ, Whittle H, Hainaut P, Montesano R, Wild CP (2005). Hepatocellular carcinoma and polymorphisms in carcinogen-metabolizing and DNA repair enzymes in a population with aflatoxin exposure and hepatitis B virus endemicity. **Cancer Epidemiol. Biomarkers Prev.** 14: 373-379. **IF 4.3, Cited n=88.**
Contribution: supervised data collection/statistical analysis; helped draft of the manuscript.
57. †Wojnowski L, Turner PC, #Pedersen B, Hustert E, Brockmüller J, Mendy M, Whittle HC, Kirk G, Wild CP (2004). Increased levels of aflatoxin-albumin adducts are associated with CYP3A5 polymorphisms in The Gambia, West Africa. **Pharmacogenetics** 14: 691-700. **IF 7.2, Cited n=50.**
Contribution: Co-I of funding, designed and supervised laboratory data collection and statistical analysis; major role in writing the manuscript.
58. **Gong YY, Hounsa A, Egal S, Turner PC, Sutcliffe AE, Hall AJ, Cardwell K, †Wild CP (2004) Post-weaning exposure to aflatoxin results in impaired child growth: a longitudinal study in Benin, West Africa. **Environ. Health Perspect.** 112: 1334-8. **IF 8.4, Cited n=278.**
Contribution: conceived study idea; designed study; supervised laboratory data collection and statistical analysis; helped draft the manuscript.
59. Nikièma PN, Worrillow L, Traoré AS, Wild CP, †Turner PC (2004) Fumonisin contamination of maize in Burkina Faso, West Africa. **Food Add. Cont.** 21: 865-870. **IF 2.3, Cited n=24.**
Contribution: Co-I of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
60. **Cupid BC, Lightfoot TJ, Russell, D, Gant, SJ, Turner PC, Dingley KH, Curtis KD, Leveson SH, Turteltaub KW, †Garner RC (2004) The formation of AFB₁-macromolecular adducts in rats and humans at dietary levels of exposure. **Food Chem Toxicol.** 42: 59-569. **IF 4.7, Cited n=45.**
Contribution: part designed study; conducted laboratory data analysis and statistical analysis; part drafted the manuscript.
61. **Gong YY, Egal S, Hounsa A, Turner PC, Hall AJ, Cardwell K, †Wild CP (2003). Determinants of aflatoxin exposure in young children from Benin and Togo, West Africa: the critical role of weaning. **Int. J. Epidemiol.** 32: 556-562. **IF 7.7, Cited n=138.**
Contribution: conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.
62. Turner PC, *Moore SE, Hall AJ, Prentice AM, Wild CP (2003). Modification of immune function through exposure to dietary aflatoxin in Gambian children. **Environ. Health Perspectives.** 111: 17-220. **IF 8.4, Cited n=233.**
Contribution: Co-I of funding, conceived study idea; designed study; supervised laboratory data collection and statistical analysis; drafted the manuscript.

63. *Meky FA, **Turner PC**, Ashcroft AE, Miller JD, Qiao YL, Roth MJ, †Wild CP (2003). Development of a urinary biomarker of human exposure to deoxynivalenol. **Food Chem. Toxicol.** 41: 265-273. **IF 4.7, Cited n=133.**
Contribution: designed study; supervised laboratory data collection and statistical analysis; helped draft the manuscript.
64. **Turner PC**, Sylla A, Diallo MS, Castegnaro JJ, Hall AS, †Wild CP (2002). The role of aflatoxins and hepatitis viruses in the aetiopathogenesis of hepatocellular carcinoma: a basis for primary prevention in Guinea-Conakry, West Africa. **J. Gastro. Hepatol.** 17: S441-8. **IF 3.4, Cited n=51.**
Contribution: statistical analysis and drafted the manuscript.
65. †Wild CP and **Turner PC** (2002). The toxicology of aflatoxins as a basis for public health decisions. **Mutagenesis** 17(6): 471-481. **IF 3.4, Cited n=282.**
Contribution: conducted literature review, drafted the manuscript and finalized.
66. White, KLM, Chalmers, DM, Martin, IG, Everett, SM, Neville PM, Naylor G, Sutcliffe AE, Dixon MF, **Turner PC**, †Schorah CJ (2002). Dietary antioxidants and DNA damage in patients on long term acid suppression therapy: A randomised control study. **Brit. J. Nutr.** 88: 265-71. **IF 3.3, Cited n=14.**
Contribution: supported data interpretation, and assisted in manuscript writing.
67. **Gong YY, Cardwell K, Hounsa A, Egal S, **Turner PC**, Hall AJ, †Wild CP (2002). Dietary Aflatoxin Exposure and Impaired Growth in Young Children from Benin and Togo, West Africa: cross sectional study. **British Medical. J.** 325: 20-21. **IF 30.2, Cited n=282.**
Contribution: conceived study idea; designed study; supervised laboratory data collection and statistical analysis; helped draft the manuscript.
68. **Turner PC**, Mendy M, Whittle H, Fortuin M, Hall AJ, †Wild CP (2000). Hepatitis B Infection and aflatoxin biomarker levels in Gambian children. **Trop. Med. Int. Health.** 5: 837-41. **IF 2.3, Cited n=88.**
Contribution: laboratory data collection and statistical analysis; drafted the manuscript.
69. †Wild CP, Yin F, **Turner PC**, Chemin I, Chapot B, Mendy M, Whittle H, Hall AJ (2000). Environmental and genetic determinants of aflatoxin-albumin adducts in The Gambia. **Int. J. Cancer.** 86: 1-7. **IF 5.1, Cited n=120.**
Contribution: laboratory data collection and statistical analysis; drafted the manuscript.
70. **Turner PC**, Nikiema P, †Wild CP (1999) Fumonisin Contamination of food: progress in development of biomarkers to better assess human health. **Mut. Res.- Gen Toxicol Env. Mutagenesis**, 443: 81-93. **IF 2.5, Cited 81.**
Contribution: Conceived idea and drafted the manuscript.
71. †**Turner PC**, **Dingley KH, #Coxhead J, Russell S, Garner CR (1998). Detectable levels of serum aflatoxin B₁-albumin adducts in the United Kingdom population: Implications for aflatoxin-B₁ exposure in the United Kingdom. **Cancer Epi. Biomarkers. Prev.** 7: 41-447. **IF 4.3, Cited n=28.**
Contribution: designed study, laboratory data collection/ statistical analysis; drafted the manuscript.

Articles submitted/in revision or in prep following peer review

1. *Ezekiel C, *Abia WA, Warth B, Sulyok M, Krska R, †**Turner PC**. Assessing exposure to mycotoxins in sub-Saharan Africa through the urinary multi-biomarker approach: trends and outlook. **Environ Health Perspectives.** **IF 8.0. (in revision)**
Contribution: Wrote and revised major portions

2. **Turner PC** and *Wittsack H. Aflatoxin: A 50 month uncertainty from conception to early childhood. *Food Chem. Toxicol.* (invited review) **IF 3.8. (in prep)**
Contribution: Wrote and revised
3. *Braun D, Ezekiel CN, Abia WA, Degen GH, **Turner PC**, Marko D, Warth B. Pilot application of a novel LC-MS/MS assay for monitoring mycotoxin mixtures in Nigerian breast milk samples. *Environ. Int.*
Contribution: Wrote and revised major portions
4. *Boyle M, Sylla A, Diallo MS, Wild CP, †**Turner PC**. A longitudinal survey to assess seasonal and village variations in serum aflatoxin-albumin adducts in Guinean children. **J. Agri. Food Chem. IF 2.9**
Contribution: Co-I of funds, supervised study design, data collection /analysis, revised manuscript.
5. **Turner PC**. Introduction to the *Toxins* special issue: mycotoxins and human disease. Invited Editorial. **Toxins. IF 3.6 (in prep)**
Contribution: wrote
6. *Stinchcomb K, White K and †**Turner PC** A comparison of 24 hour versus first morning void urinary deoxynivalenol biomarker concentration in UK adults. **Food Add Contam IF 1.9 (in prep)**
Contribution: Co-I of funds, conceived idea, supervised design data collection, revised manuscript.
Contribution: Devised projects, wrote and revised major portions
7. *†Dallal C, Haque M, Chen S, **Turner PC**. Associations between urinary phthalates and metabolic syndrome in NHANES 2005-2010. **J. Endocrinology IF 4.5 (in prep)**
Contribution: Co-devised analytical plan, manuscript revisions
8. Wan MLY, Co-Anna V, **Turner PC**, Nagendra SP, El-Nezami H Deoxynivalenol increased the adhesion of enteroinvasive Escherichia coli to Caco-2 cells via modulation of mucin and pro-inflammatory cytokine production. **Int. J. Food Microbiol. IF 3.1 (submitted)**
Contribution: Wrote and revised major portions
9. Ezekiel CN, Malachova A, Warth B, Sulyok M, Abia WA, Šarkanj B, Turner PC, Krska R. Development and application of LC-MS based biomarkers to assess human exposure to mycotoxins. *LCGC Europe*
Contribution: Co-author and manuscript revisions
10. Ngure FM, Makule E, Phillips EL, Kassim N, Nelson RJ, Smith LE, , Kimanya M, **Turner PC**, Stoltzfus R. (2020). Seasonal Survey of aflatoxin and fumonisin contamination of dietary staples in Kongwa District, Tanzania. **Food Additives and Contaminants**
11. Ngure FM, Makule E, Phillips EL, Kassim N, Nelson RJ, Smith LE, , Kimanya M, **Turner PC**, Stoltzfus R. (2020). Seasonal Survey of aflatoxin and fumonisin contamination of dietary staples in Kongwa District, Tanzania. **Food Additives and Contaminants**
12. Ngure FM, Makule E, Phillips EL, Kassim N, Nelson RJ, Smith LE, Kimanya M, Stoltzfus R. **Turner PC**, (2020). Comparison of posho mill vs household stored maize aflatoxin contamination in Kongwa District, Tanzania. **Food Additives and Contaminants**
13. Smith LE, Ngure FM, Makule E, Phillips EL, Kassim N, Nelson RJ, , Kimanya M, Stoltzfus R. **Turner PC**, (2020). Relationship between aflatoxin contamination and urinary aflatoxin M1 in infants from Kongwa District, Tanzania. **Pediatrics**
14. Kassim N, Smith LE, Ngure FM, Makule E, Nelson RJ, , Kimanya M, Stoltzfus R. Turner PC, Phillips EL (2020). Pilot trial to reduce aflatoxin biomarkers by dietary intervention in infants from Kongwa District, Tanzania. **British Medical Journal**

15. Smith LE, **Turner PC**, Prendergast A, Stoltzfus R, Humphreys J (2020). Urinary aflatoxin biomarkers are inversely associated with growth in Zimbabwean children, independent of nutrition and hygiene interventions in the SHINE Trial **Lancet**

PRESENTATIONS Oral: Invited National and International Presentations

Plenary/Keynote

1. **Turner PC**. Health impact of multi-mycotoxins. 3rd African Symposium on Mycotoxicology / Mytox-South Conference Stellenbosch, South Africa. Sept 6th-9th **2020**. “
2. **Turner PC**. Aflatoxins and HBV exposure in the development of liver cancer. World Health Organization: Viral Hepatitis in Egypt – challenges and scientific approaches. Cairo, Egypt. Nov 12th -14th **2007**
3. **Turner PC**. Mycotoxin intervention strategies – Deoxynivalenol as a case example. World Health Organization: Role of Diet and genetics in chronic disease control. Cairo, Egypt Oct 30th- Nov 10th **2006**.

Invited Speaker

1. **Turner PC**. Dietary fungal toxins in African subsistence farming populations and infant growth. Joint Institute for Food Safety and Applied Nutrition / Center for Food Safety and Security Systems (CFS3) Advisory Council. Greenbelt, MD. Oct 28th - 29th **2019**
2. **Turner PC**. The epidemiology of aflatoxin driven stunting in developing countries. Capital Area Food Protection Association, and International Association of Food Protection (IAFP) 2018 Spring Meeting – Chemical Hazard in Food. CFSAN, College Park, May 24th **2018**.
3. **Turner PC**. The strength of exposure biomarkers in evaluating intervention strategies for mycotoxins. Cold Spring Harbor Workshop: *Opportunities for Reduction of Aflatoxin Contamination of Food*. The Banbury Center, Lloyd Harbor, New York, July 9-12th, **2017**
4. **Turner PC**. Maternal aflatoxin exposure, infant nutrition and child health in Africa. *Partnership for Aflatoxin Control in Africa (PACA) Workshop: Engaging the Health and Nutrition Sectors in Aflatoxin Control in Africa*. African Union Commission Headquarters, Addis Ababa, Ethiopia. Mar 21st-22nd **2016**.
5. **Turner PC**. Aflatoxin and child growth: The critical first 1000 days of life in underdeveloped world regions. *American Chemical Society Annual Conference: Symposium on Public Health Perspectives of Mycotoxins in Food*, San Diego, CA, Mar 13th-17th, **2016**.
6. **Turner PC**. Dietary mycotoxins and the immune system: health concerns for early life. *The Children's Environmental Health Network Research Conference - Children: Food and the Environment*. Austin, Texas, Feb 4th-6th, **2015**.
7. **Turner PC and Li L**. Mycotoxin exposure assessment: pros and cons of existing approaches. *8th conference of the World Mycotoxin Forum The international mycotoxin menace - the systems approach*. Vienna, Austria. Nov 10th-12th **2014**.
8. **Turner PC**. Aflatoxin exposure assessment tools. NCI Workshop on Liver Cancer: A Re-emerging Disease in the 21st Century. NIH, Washington DC, USA. Mar 18th -19th, **2014**
9. **Turner PC**. The potential role of breastfeeding education on restricting aflatoxin exposure in West African infants: a review of the exposure data. *ISM-MycoRed Int. Conf. Europe: Global Mycotoxin Reduction Strategies*. Martina Franca, Apulia, Italy. 27th-31st May, **2013**.

10. **Turner PC.** Mycotoxins biomarkers: Do we have these exposure tools to better inform epidemiology? *X2012: 7th International Conference on the Science of Exposure Assessment*. Edinburgh, UK Jul 2nd - 5th **2012**.
11. **Turner PC & Cardwell K.** Aflatoxin and growth faltering: potential mechanisms. *The International Food Policy Research Institute (IFPRI): Impact of Stunting in Children and Interventions to reduce Exposure*. In partnership - Enteric & Diarrheal Diseases + Agriculture and Nutrition teams, The Bill & Melinda Gates Foundation and Canadian International Development Research Centre Workshop. Feb 1st -2nd **2012**.
12. **Turner PC & *Pasturel BZ.** Development and validation of exposure biomarkers to dietary contaminants: Mycotoxins. *Conference on Risk Assessment and Evaluation of Predictions*. Silver Spring, MD, Oct. 12th -14th, **2011**.
13. **Turner PC.** Validation of exposure biomarkers for the Fusarium mycotoxin deoxynivalenol. *Gordon Research Conference: Mycotoxins & Phycotoxins*. Colby College, Waterville, Maine, Jun 12th -17th, **2011**.
14. **Turner PC.** Assessment of urinary deoxynivalenol (DON) as an exposure biomarker in UK adults. *European Union Commission: 6th Fusarium Toxin Forum*. Conference Centre Albert Borschette, Brussels, Belgium. Feb 9th–10th **2009**.
15. **Turner PC.** Biomarker development for molecular epidemiology: Ethical challenges in practical science. *Int. Seminar on Molecular Epidemiology and Ethics.*, University of Kuopio, Finland. Jun 18th -19th **2007**.
16. **Turner PC.** Human exposure to the mycotoxin deoxynivalenol is common in the UK and can be markedly reduced by avoidance of wheat consumption. *IUPAC meeting on Mycotoxins*, Istanbul. May 21st-25th **2007**.
17. **Turner PC.** Aflatoxins as risk factors for liver cancer. *WHO funded: Role of Diet and Genetics in Chronic Disease Control*. Cairo, Egypt Oct 30th – Nov 10th **2006**.
18. **Turner PC.** Development & use of aflatoxin biomarkers in intervention studies. *WHO: Role of Diet and genetics in chronic disease control*. Cairo, Egypt Oct 30th- Nov 10th **2006**.
19. **Turner PC.** Exposure biomarkers & susceptibility factors in epidemiology. *WHO: Role of Diet and genetics in chronic disease control*. Cairo, Egypt Oct 30th - Nov 10th **2006**.
20. **Turner PC.** Biomarkers to estimate individual exposures to aflatoxins. *Advances in research on toxigenic fungi & mycotoxins in South America*. Cordoba, Argentina. Mar 15th-17th **2006**.
21. **Turner PC.** Chronic effects of aflatoxin exposure in infants. *Gordon Conference Mycotoxins & Phycotoxins*. Colby College Waterville, ME 19th-24th June **2005**.
22. **Turner PC.** Aflatoxins, child growth and immunity in West Africa: from disease mechanisms to disease prevention. *9th International Conference on Environmental Mutagens*, San Francisco. Sept 3rd-8th. **2005**
23. **Turner PC.** Intervention strategies for aflatoxin exposure. *CDC and WHO workshop*, Geneva, Switzerland July 26th -28th **2005**.
24. **Turner PC.** Intervention to reduce dietary exposure to aflatoxins in Guinea, West Africa. *UK MEG/UKEMS International Conference Cumbria*, UK Sept 15th -17th **2004**.
25. **Turner PC** Molecular epidemiology and the assessment of chronic disease risk: recent developments in molecular epidemiology. *Royal Society Funded: Indo-UK Workshop*:

Application of Biomarkers to Protect Human and Environmental Health. Banharas Hindu University, Varanasi, India. Sept 1st -5th **2004**.

26. **Turner PC.** The use of biomarkers to understand aflatoxin related disease in West Africa. *Symposium: Biomarkers of Ecotoxicity, Cancer, Monitoring and Prevention.* Hambard University, Department of Medical Elementology & Toxicology, New Delhi: Aug 29th. **2004**
27. **Turner PC.** Health Implications of Early Childhood Exposures to Aflatoxins in West Africa. 4th International Conference on Environmental Mutagens in Human Populations. Florianopolis., Brazil May 4th -8th **2003**
28. **Turner PC.** Dietary exposure to aflatoxin in early life is associated with impaired growth in West African infants. UKEMS-MEG - Early Life Exposures & Disease. General Infirmary, Leeds, UK. Dec 10th **2002**.
29. **Turner PC.** Mycotoxin exposure in West African children: Implications for health. Children's Environmental Health Conf. Georgetown University, Washington-DC. Sept 8-11th **2001**.
30. **Turner PC.** Hepatitis B Infection and Aflatoxin Biomarker Levels in Gambian Children. UKEMS-MEG Meeting – Molecular Epidemiology of Infectious Disease. The Scientific Societies' Lecture Theatre, London UK. Dec 4th **2001**.
31. **Turner PC.** A biomonitoring study for AFB1-lysine in York, UK, subjects. International meeting on 'Molecular Aspects of Carcinogenesis'. University of York June 5th -9th, **1995**.

Non-conference invited oral presentations

1. **Turner PC.** The strength of exposure biomarkers in understanding mycotoxin exposure and interventions. Joint Institute for Food Safety and Applied Nutrition (JIFSAN): Risk Assessment Course, College Park, MD. Aug 2nd **2017**.
2. **Turner PC.** The molecular epidemiology of aflatoxin driven stunting. Pediatric Grand Rounds, School of Medicine, UMB, Baltimore, MD. Nov 3rd **2016**.
3. **Turner PC.** Exposure biomarker profiles for mycotoxins in Europe and Africa of public health interest. Department of Chemistry, Seminar series, Carleton University, Ottawa, Canada. June 21st **2016**.
4. **Turner PC.** Aflatoxin exposure in the life course – a suggested protective window during breast-feeding. Seminar Program. United States Agency for International Development/Bureau for Food Security. Washington DC. May 11th **2016**
5. **Turner PC.** Aflatoxins and growth faltering in Beninese and Gambian infants. *Graduate Research seminar:* Zvitambo Institute for Maternal and Child Health Research. Harare, Zimbabwe Nov 21st **2014**.
6. **Turner PC.** Dietary mycotoxins and early life exposures in underdeveloped countries, Office of Applied Research and Safety Assessment seminar series, CFSAN, FDA, Maryland Oct 16th **2014**
7. **Turner PC.** Biomarkers of human mycotoxin exposure *in utero* and infant health risks. Food Science and Human Nutrition Department seminar, Michigan State University, April 5th **2012**.
8. **Turner PC.** In utero and early life mycotoxin exposure in rural West Africa: A potential contributor to growth faltering? *Division of Nutritional Sciences Seminar Series*, Cornell University Feb 27th, **2012**.

9. **Turner PC.** Biomarker development and exposure assessment for Fusarium mycotoxins: Deoxynivalenol and Fumonisin. *Environmental and Occupational Health Seminar Program*, University of Pittsburg. May 26th **2011**.
10. **Turner PC.** Mycotoxin exposure assessment and child health. *School of Public Health Seminar Series*, University of Alabama at Birmingham, Jan 26th **2011**
11. **Turner PC.** Mycotoxin biomarkers: Development, validation and application in exposure assessment. Université de Caen/Basse-Normandie. May 16th **2008**.
12. **Turner PC.** Approaches to prevent diet-related liver cancer: The African experience. PhD Prog Applied BioScience: Dietary, environmental and genetic risk factors for cancer development- A case study of liver cancer. University of Kuopio, Finland. Aug 21st - 22nd **2006**.
13. **Turner PC.** Aflatoxins as a risk factor for liver cancer. PhD programme in Applied BioScience: Dietary, environmental and genetic risk factors for cancer development- A case study of liver cancer. University of Kuopio, Finland. August 21st - 22nd **2006**.
14. **Turner PC** Health risks associated with dietary exposure to aflatoxins in West African children. Nutritional Epidemiology Seminar Series, University of Leeds, May 23rd **2006**
15. **Turner PC.** Aflatoxin, Growth Faltering, and Intervention Strategy in West Africa. Divisional Seminar: Johns Hopkins University Oct 18th **2005**.
16. **Turner PC.** Aflatoxin exposure and growth faltering in West Africa : Time for Intervention. Departmental Seminar Series. Mailman School of Public Health, Columbia University, New York. Sept 22nd **2005**.
17. **Turner PC.** Early Childhood Growth Faltering in Aflatoxin Exposed Regions of West Africa. Departmental Seminar Series. Georgetown University Oct 6th **2005**.
18. **Turner PC.** Molecular epidemiology of mycotoxin exposure. LIGHT laboratories 2 day seminar. University of Leeds Apr 13th - 14th **2005**.
19. **Turner PC.** Molecular epidemiology approaches to risks from aflatoxins and fumonisins. *Food Safety Seminar Seminars*. Dept of Food Science and Technology Center of Agricultural Sciences, Federal University of Santa Catarina, Brazil. 8th May **2003**.
20. **Turner PC.** Aflatoxin exposure in West African children: approaches to develop intervention strategies. *Toxicology Seminar Series*, Division of Toxicology, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, US. June 2nd **2003**.
21. **Turner PC.** Hepatitis B Virus and Liver Cancer. *Virology Seminar Series*: University of Leeds, May 5th **2000**.

Published Conference Proceedings

1. Ghosh R, Haque M, **Turner PC**, Cruz-Cano R, Dallal C. (2019) Urinary phthalates and metabolic syndrome in US adults (NHANES 2005-2014): examining potential differences by sex and race. **Annals Epidemiol.** 36, 70.
2. **Turner PC.** (2016) Aflatoxin and child growth: The critical first 1000 days of life in underdeveloped world regions. Abstract of Papers of the American Chemical Society Annual Meeting, 251: 84.

3. Lo KK, *Wan LYM, **Turner PC**, El-Nezami H (2016) Individual and combined effects of deoxynivalenol and zearalenone on modulation of mucin expression on intestinal epithelial cells. **Toxicol. Lett.** 259: S135-6.
4. *Hopton RP, **Turner PC**, Fisher J. (2009). NMR based metabolomics investigations into the effects of deoxynivalenol exposure in humans. **Mutagenesis** 24; 537.
5. *Piekkola S, **Turner PC**, Savchenko E, El Kafrawy S, Kasem I, White K, Mykkanen H, El-Nezami H. (2009). Co-occurrence of aflatoxin and deoxynivalenol biomarkers in pregnant Egyptian women. **Ann. Nutr. Metab.** 55: 643-4.
6. *Gratz S, Wu QK, El-Nezami H, Juvonen RO, Mykkanen H, **Turner PC**. (2007). Aflatoxin B1 binding by Lactobacillus rhamnosus GG reduces its intestinal transport and toxicity in Caco-2 cells. **Ann. Nutr. Metab.** 51: 143.
7. **Turner PC**, Rothwell JA, White KLM, Cade JE Wild CP (2007) Cereal intake is correlated with urinary deoxynivalenol in individuals from the UK. **Ann. Nutr. Metab.** 51: 392.
8. **Turner PC**, Burley VJ, Rothwell JA, White KLM, Cade JE, Wild CP. Dietary intervention to reduce wheat intake in UK adults markedly reduces urinary levels of the mycotoxin deoxynivalenol. **Ann. Nutr. Metab.** 51: 393.
9. *Polychronaki N, Wild C, Mykkanen H, Abdel-Wahhab M, Sylla A, Diallo M, El-Nezami H, **Turner PC**. (2006). Urinary biomarkers of aflatoxin exposure in young children in Egypt and Guinea. **Toxicol Lett.** 164: S162.
10. Hamid, MA, Ezzat S, El-Kafrawy S, Abdel-Latif S, El-Daly M, **Turner PC**, Widell A, Strickland GT, Loffredo C. (2006) Viral, genetic and environmental risk factors for hepatocellular carcinoma in Egypt. **Liver International**: 26: 16-16 Supplement: 1
11. *Gratz S, Taubel M, Juvonen RO, Viluksela M, **Turner PC**, Mykkanen H, El-Nezami H. (2006) Lactobacillus rhamnosus strain GG modulates toxicity and kinetics of orally administered AFB(1) in rats **Toxicol. Lett.** 164: S153.
12. **Turner PC**, Wojnowski L, *Pederson B, Brockmöller J, Whittle H, Kirk G, Wild CP. (2004) Aflatoxin-albumin adduct levels are affected by CYP3A5 polymorphisms in Gambians. **Proceedings of the American Association for Cancer Research Annual Meeting.** 45: 451-2.
13. **Gong YY, **Turner PC**, Hounsa A, White KL, Cardwell KF, Egal S, Hall AJ, Wild CP. (2004). Dietary exposure to human hepatocarcinogens, aflatoxins, micronutrient deficiency, and child growth in Benin, West Africa. **J Nutrition** 134: 3522S-3522S. Cited n=3.
14. **Turner PC**, Hounsa A, **Gong YY, Egal S, Hall AJ, Cardwell K, Wild CP. (2002) Exposure to the dietary hepatocarcinogen, aflatoxin, increases markedly with weaning in West African children and is associated with impaired growth. **Proceedings of the American Association for Cancer Research Annual Meeting.** 43 : 573-574.
15. Cardwell KF, Hounsa A, Egal S, Wild CP, Hall AJ, **Gong Y, **Turner PC**. (2001) Child health and consumption of aflatoxin contaminated foods across four agroecologies of West Africa. **Phytopathology** 91: 6 Supplement Pages: S171.
16. **Turner PC**, Mendy M, Whittle H, Fortuin M, Hall, AJ, Wild CP. (2000) Hepatitis B infection and aflatoxin biomarker levels in Gambian children. **Proceedings of the American Association for Cancer Research Annual Meeting** 41: 438.
17. Evans AA, Litwin S, Ross EA, Wild CP, **Turner PC**, Wilson MH, M'Boup S, Dramé B, Fall C, Niouky G, London WT. (1998) Seasonal and within-person variation of aflatoxin B1 (AFB1) exposure in humans. **Proceedings of the American Association for Cancer Research Annual Meeting** 39: 338.

Refereed Conference Presentations

1. Abia W, Warth B, Ezekiel CN, **Turner PC**, Sarkanje B, Krska R, Sulyoka M. Toxic microbial metabolites in maize porridge and their urinary biomarkers in rural Cameroon adults. Belfast Summit on global food integrity (ASSET 2018). Belfast, UK. May 29th - 31st **2018**.
2. **Turner PC**, Smith LE, Prendergast AJ, Humphrey JH, Stoltzfus RJ. Determinants of urinary aflatoxin M1 in pregnant women in rural Zimbabwe. Gordon Research Conference, Mycotoxins & Phycotoxins, Stonehill College, MA, USA. Jun 18th- 23rd **2017**.
3. **Turner PC**, Abia W, Warth B, Ezekiel CN, Sarkanje B, Krska R, Sulyoka M. Uncommon toxic microbial metabolite patterns in traditionally home-processed maize porridge (fufu) consumed in rural Cameroon. Gordon Research Conference, Mycotoxins & Phycotoxins, Stonehill College, MA, USA. Jun 18th- 23rd **2017**.
4. Omari R, Narrod C, **Turner PC**. Advocacy and Communication: Critical requirements for mitigating the aflatoxin challenge in Africa. Gordon Research Conference, Mycotoxins & Phycotoxins, Stonehill College, MA, USA. Jun 18th - 23rd **2017**.
5. Omari R, Narrod C, **Turner PC**. Enhancing the effectiveness of aflatoxin awareness campaigns: Lessons from Rotary Club's campaign in Benin, Ghana & Togo. Gordon Research Conference, Mycotoxins & Phycotoxins, Stonehill College, MA, USA. Jun 18th- 23rd **2017**.
6. Šarkanj B, Sulyok M, Ezekiel CN, **Turner PC**, Rychlik M, Abia WA, Krska R, Warth B. Entering the ppq level in mycotoxin biomarker analysis. 9th World Mycotoxin Forum & International Union of Pure and Applied Chemistry Conference, Winnipeg, Canada, 6th-9th June **2016**.
7. *Wan LYM, El-Nezami H, **Turner PC**. An in vivo study of Lactobacillus rhamnosus GG intervention in mice following dietary exposure to a deoxynivalenol/zearalenone mix. Gordon Research Conference, Mycotoxins and Phycotoxins, Stonehill College, MA, USA. Jun 14th- 19th **2015**.
8. *Gost A, Wallin S, Gambacorta L, Solfrizzo M, Kotova N, Olsen M, **Turner PC**. Comparison of single and multi-analyte methods for determination of total deoxynivalenol in Swedish urine samples. Gordon Research Conference, Mycotoxins and Phycotoxins, Stonehill College, MA, USA. Jun 14th -19th **2015**.
9. Olsen M, Hardie LJ, Solfrizzo M, Kotova N, Warensjö Lemming E, **Turner PC**, Wallin S. Biomonitoring studies of mycotoxins exposures and its association with typical food consumption in Swedish adults. 13th European Fusarium Seminar. Martina Franca, Italy, May 10th – 14th **2015**.
10. *Wan LYM, **Turner PC**, Allen K El-Nezami H Toxicological evaluation and risk assessment for effects of Fusarium toxin mixtures on intestinal immunity using a fractional factorial design. The 53rd Annual Conference & ToxExpo, Society of Toxicology, Phoenix, Arizona. Mar 23rd- 27th **2014**.
11. Ezekiel, CN Warth, B, Ogara IM, Abia W, Ezekiel VC, Atehnkeng J, Sulyok M, **Turner PC**, Krska R, Tayo G, Bandyopadhyay R. Assessment of mycotoxin exposure in rural residents in northern Nigeria by a multi-biomarker approach. The 5th International Toxicology Symposium in Africa, Kwame Nkrumah University of Science & Technol., Kumasi Ghana, Sept. 12th-13th **2013**.
12. *Wan LYM, Allen K, **Turner PC**, El-Nezami H (2013). Modulation of mucin mRNA (MUC5AC and MUC5B) expression and protein production and secretion in Caco-2/ HT29-MTX co-cultures following exposure to individual and combined Fusarium toxins . The XIII International Congress of Toxicology. Coex, Seoul, Korea, June 30th-July 4th **2013**.
13. Ezekiel, C. Warth, B, Ogara IM, Abia W, Ezekiel VC, Sulyok M, **Turner PC**, Krska R, Tayo G A pilot study using multi-urinary biomarkers reveals exposure to mycotoxins among rural

community residents in northern Nigeria. Gordon Research Conference, Mycotoxins and Phycotoxins, Stonehill College, MA, USA. June 16th-21st **2013**.

14. *Wan LYM, El-Nezami H, **Turner PC** Aflatoxins modulate trans-epithelial electrical resistance (TEER) in differentiated caco-2 monolayers. Gordon Research Conference, Mycotoxins and Phycotoxins, Stonehill College, MA, USA. June 16th-21st **2013**.
15. **Gong YY, Burger H-M, Rheeder JP, Shephard GS, Srey C, Routledge MN, **Turner PC**, Van der Westhuizen L, Wild CP Biomarker evaluation of exposure to fumonisins and deoxynivalenol in rural S. Africa. ISM-Mycored International Conference Europe 2013: Global Mycotoxin Reduction Strategies. Martina Franca, Apulia, Italy. May 27th-31st **2013**.
16. **Turner PC** Mycotoxins biomarkers: Do we have these exposure tools to better inform epidemiology? X2012: 7th Int. Conference on the Science of Exposure Assessment. Edinburgh, UK, July 2nd-5th **2012**.
17. **Turner PC**, *Hopton RP, Oswald IP, Hardie LJ, Fisher J (2012). Urinary and serum exposure biomarkers and metabolomic analysis for deoxynivalenol: A Review. MycoRed North America. Carleton University, Ottawa, Canada 2012, June 24th-28th **2012**.
18. **Turner PC**, Sylla A, Dialla M, Wild CP. Seasonal variation in aflatoxin-albumin biomarkers in young Guinean children. MycoRed North America. Carleton University, Ottawa, Canada, June 24th-28th **2012**.
19. *Wan M, Liu YK, **Turner PC**, Allen K, El-Nezami HS. Modulation of mucin mRNA (MUC5AC and MUC5B) expression and protein secretion in Caco-2 and HT29-MTX cells following exposure to individual and combined Fusarium toxins. World Mycotoxin Forum / IUPAC" conference, Rotterdam, the Netherlands. Nov 5th-9th **2012**.
20. *Wan M, Woo JC, **Turner PC**, El-Nezami HS (2012). Individual and combined effects of Fusarium toxins (DON, NIV, ZEA and FB1) on intestinal immunity. World Mycotoxin Forum / IUPAC" conference, Rotterdam, the Netherlands. Nov 5th-9th **2012**.
21. Abia WA, Warth B, Sulyok M, Krska R, Tchana A, Njobeh PB, **Turner PC**, Kouanfack C, Eyongetah M, Dutton M., Moundipa P.F. Bio-monitoring of multi-mycotoxin exposure in human urine samples from Cameroon using a multi-biomarker approach. Society of Environmental Toxicology and Chemistry Africa Conference, Lusaka, Zambia. Sept 2nd-5th **2012**.
22. *Hepworth S, Fraser LK, Burley V, Mijal R, Azad R, Cade J, Hardie LJ, McKinney PA, **Turner PC**. Urinary deoxynivalenol and intake measurements in a cohort of pregnant women Bradford General Infirmary, UK. Feb 12th **2010**.
23. *Hopton RP, **Turner PC**, Fisher J (2009). NMR based metabolomics investigations into the effects of deoxynivalenol exposure in humans. UKEMS One day meeting, Manchester. May 5th **2009**.
24. **Turner PC**, Rothwell JA, White KLM, Cade JE, Wild CP. Cereal intake is correlated with urinary deoxynivalenol in individuals from the UK. 10th European Nutritional Conference in Paris; July 10th-13th **2007**.
25. **Turner PC**, Burley VJ, Rothwell JA, White KLM, Cade JE, Wild CP. Dietary intervention to reduce wheat intake in UK adults markedly reduces urinary levels of the mycotoxin deoxynivalenol. 10th European Nutritional Conference in Paris; July 10th-13th **2007**.
26. *Gratz S, Wu QW, El-Nezami H, Juvonen RO, Mykkänen H, **Turner PC**. Aflatoxin B1 binding by Lactobacillus rhamnosus GG reduces its intestinal transport and toxicity in Caco-2 cells. 10th European Nutritional Conference in Paris; July 10th-13th **2007**.

27. **Gong Y, Torres-Sanchez L, Lopez-Carrillo I, Peng JH, Sutcliffe AE, White KLM, **Turner PC**, Humpf H, Wild CP. Detection of fumonisin B1 in Mexican urine samples using liquid chromatography-mass spectrometry - a possible biomarker of dietary fumonisin exposure BACR Special Conference: 'Diet and cancer; susceptibility, prevention and therapy.' Nottingham, UK June 18th-19th **2007**.
28. **Turner PC**, Rothwell JA, White KLM, Cade JE, Wild CP. Cereal intake is correlated with urinary deoxynivalenol in individuals from the UK. 5th International Conference on Environmental Mutagens in Human Populations, Antalya, Turkey, May 20th – 23rd **2007**.
29. *Polychronaki N, West RM, **Turner PC**, Amra H, Abdel-Wahhab M, Mykkanen H, El-Nezami H. A longitudinal assessment of aflatoxin M1 excretion in breast milk of selected Egyptian mothers. IUPAC meeting on Mycotoxins in Istanbul, May 21st -25th **2007**.
30. **Turner PC**, Burley VJ, Rothwell JA, White KLM, Cade JE, Wild CP. Dietary wheat reduction decreases the level of urinary deoxynivalenol in UK adults. NewGeneris 1st Annual Consortium Meeting, Barcelona, Spain. Feb 5th -7th **2007**.
31. *Polychronaki N, Wild CP, Mykkänen H, Abdel-Wahhab M, Sylla A, Diallo M, El-Nezami H, **Turner PC**. Urinary biomarkers of aflatoxin exposure in young children in Egypt and Guinea. ECNIS-sponsored Workshop on Biomarker of Exposure and Cancer Risk: DNA Damage and DNA Adduct Detection, German Cancer Research Center, Heidelberg, Germany Sept 29th - 30th **2006**.
32. *Sandberg T, Kotova N, **Turner PC**, Sylla A, Diallo MS, Wild CP, Segerbäck D. ³²P-Postlabelling analysis of thymine dimer in urine from children of different skin types. 36th Annual Meeting of the European Environmental Mutagen Society. Prague, Czech Republic, July 2nd -6th **2006**.
33. *Gratz S, Täubel M, Juvonen RO, Viluksela M, **Turner PC**, Mykkänen H, El-Nezami H. Lactobacillus rhamnosus strain GG modulates intestinal absorption of aflatoxins and its fecal excretion and toxicity in rats. EUROTOX 43rd Congress of The European Societies of Toxicology and 6th Congress of Toxicology in Developing Countries. Cavtat / Dubrovnik Croatia, Sept 20th – 24th **2006**.
34. *Polychronaki N, Wild CP, Mykkänen H, Abdel-Wahhab M., El-Nezami H, **Turner PC**. Urinary biomarkers of aflatoxin exposure in young children in Egypt and Guinea. EUROTOX 43rd Congress of The European Societies of Toxicology and 6th Congress of Toxicology in Developing Countries. Cavtat / Dubrovnik Croatia, Sept 20th – 24th **2006**.
35. Burley VJ, White KLM, Sutcliffe AE, Rothwell J, Cade JE, Wild CP, **Turner PC**. Deoxynivalenol exposure in UK adults: Reduction by dietary intervention. Myco-Clobe Int Conference: Reducing Impact of Mycotoxins in Tropical Agriculture with Emphasis on Health and Trade in Africa . Accra, Ghana Sept 13th - 16th **2005**.
36. *Marchant CL, Lawson CA, **Gong YY, Wild CP, **Turner PC**. Aflatoxin B1-induced reduction in transepithelial resistance within an intestinal cell line model: a possible mechanism for growth faltering. FASEB gastrointestinal tract XI meeting, Aspen, Colorado, Aug 13th -18th **2005**.
37. Hounsa A, Egal S, Cardwell, K, **Gong, YY, Hall A, **Turner PC**, Wild CP. Weaning practices and exposure to aflatoxin in West Africa:a great challenge for child survival. 2nd Africa Nutritional Epidemiology Conference, Vanderbijlpark, South Africa. Feb 14th –18th **2005**.
38. Abdel-Hamid M, Ezzat S, El-Kafrawy S, Abdel-Latif S, El-Daly M, **Turner PC**, Widell A, Strickland GT, Ismail A, Loffredo C. Epidemiological study of the viral and environmental risk factors for hepatocellular carcinoma in Egypt. 11th Int Symposium on Hepatitis C &

Related Viruses: Heidelberg, Germany, Oct 3rd -7th **2004**. Published abstract 2005 Int J Virology 1;57.

39. Marchant CL, Gong, YY, Wild CP, **Turner PC**. The effect of aflatoxin exposure within an in vitro model using Caco-2 and HT-29 cell lines. UK MEG/UKEMS International Conference - 'Molecular Epidemiology and the Assessment of Chronic Disease Risk' Lake Windermere, Cumbria, UK Sept 15th -17th **2004**.
40. **Gong YY, **Turner PC**, Hounsa A, White KL, Cardwell K, Egal S, Hall AJ, Wild CP. Aflatoxin exposure, micronutrients deficiency, and child growth in Benin, West Africa. AICR/WHO International Research Conference on Food, Nutrition and Cancer, Washington, DC. USA. July 15th -16th **2004**.
41. **Turner PC**, Wojnowski L, *Pederson B, Brockmöller J, Whittle H, Kirk G, Wild CP. Aflatoxin-albumin adducts are affected by CYP3A5 polymorphisms in Gambians. AACR Conference, Orlando, Mar 27th-31st **2004**.
42. **Gong YY, Hounsa A, Egal S, **Turner PC**, Hall AJ, Cardwell K, Wild CP. Dietary aflatoxin exposure at weaning may cause impairment of child growth. Gordon Research Conference – Mycotoxins and Phycotoxins, Colby College, Maine, USA, Jun 21st -25th **2003**.
43. Wild CP, **Gong YY, Hardie LJ, *Jolly J, *Olliver J, **Turner PC**. Biomarkers in the etiology and prevention of esophageal and liver cancer. AACR Special Conference - Molecular and Genetic Epidemiology of Cancer, Waikoloa, Hawaii Jan 18th -23rd **2003**.
44. Nikiéma PA, Singh B, **Turner PC**, Cade J, van't Veer P, Kok F, Traore AS, Wild CP. Impact of mycotoxins and some strategies for management and control in Burkina Faso. IARC scientific symposium on Management of mycotoxins in foods and feeds for improving public health. Joint IARC/FAO/WHO planning meeting, Lyon, France, Nov 21st-23rd **2002**.
45. **Gong YY, **Turner PC**, Egal S, Hounsa, A, Hall AJ, Cardwell K, Wild CP. Dietary aflatoxin Exposure and impaired growth in West African children. World Congress of Epidemiology Conference. Montreal, Canada, Aug 18th -22nd **2002**.
46. **Turner PC**, Hounsa A, **Gong YY, Egal S, Hall AJ, Cardwell K, Wild CP. Exposure to the dietary hepatocarcinogen, aflatoxin, increases markedly with weaning in West African children and is associated with impaired growth. 93rd AACR Annual Conference, San Francisco, Apr 6th -10th **2002**.
47. Sanou D, Nikiema PN, Turner PC, Traore AS. Co-occurrence of aflatoxins and fumonisins in corn in Western Burkina. ITANA 2002 Pan-African Conference, Nairobi, Kenya July 21st-24th **2002**.
48. Cardwell KF, Hounsa A, Egal S, Wild CP, Hall AJ, **Gong Y, **Turner PC**. Child health and consumption of aflatoxin contaminated foods across four agro-ecologies of West Africa. Joint Meeting of the APS, MSA and SN. Salt lake City Aug 25th -29th Abstract :Phytopathology 91: S171. **2001**.
49. Hounsa A, Egal S, Cardwell, K, **Gong YY, Hall A, **Turner PC**, Wild CP. Influence of aflatoxin exposure on child growth in under-fives from Benin and Togo. Institute of Tropical Medicine: Int. Colloquium - Child growth and development of under-fives in developing countries, Antwerp, Belgium Nov 28th-30th **2001**.
50. **Turner PC**, Sylla A, Diallo MS, Castegnaro M, Hall AJ, Wild CP The role of chemical carcinogens and hepatitis viruses in the aetiopathogenesis of hepatocellular carcinoma: a basis for primary prevention in Guinea-Conakry, West Africa. Proc. APASL Int. Congress on Viral Hepatitis. **2000**.

51. **Turner PC**, Mendy M, Whittle H, Fortuin M, Hall, AJ, Wild CP. Hepatitis B infection and aflatoxin biomarker levels in Gambian Children. 91st AACR Annual Conference, San Francisco Apr 1st-5th **2000**.
52. Wild CP, Allan JM, Hardie LJ, **Turner PC**. Biomarkers in cancer aetiology, detection and prevention. International Conference on Arctic Development, Pollution and Biomarkers of Human Health. Anchorage, Alaska Apr 30th-May 3rd **2000**.
53. Nikièma PA, **Turner PC**, van't Veer P, Wild CP, Traoré AS. Aflatoxins in foodstuffs in Burkina Faso: What approach to take in order to reduce contamination and human exposure. Int. Workshop on "Small scale food industry for a healthy nutrition in West Africa. Ouagadougou, Burkina Faso, Nov 22nd-24th **1999**.
54. Nikièma PA, **Turner PC**, Traore Y, Jeannel D, Fretz C, Suzuki T, van de Perre P, Fumoux F, Wild CP. Exposure to mycotoxins, and hepatitis B and C viruses in the aetiology of liver cancer in Burkina Faso. Third international conference on "Susceptibility to environmental mutagens". Pan-African Environmental Mutagen Society, Harare, Zimbabwe, Mar 1st-5th **1999**.
55. Evans AA, Litwin S, Ross EA, Wild CP, **Turner PC**, Wilson MH, M'Boup S, Dramé B, Fall C, Niouky G, London WT. Seasonal and within-person variation of aflatoxin (AFB1) exposure in humans. 89th AACR Annual Conference New Orleans Mar 28th-Apr 1st **1998**.
56. ****Cupid BC**, Russell D, Gant SJ, **Turner PC**, Dingley KH, Curtis KD, Leveson SH, Turteltaub KW, Garner RC. Accelerator Mass Spectrometry studies on the formation of aflatoxin B1-DNA adducts in rats and humans. University of York. 'UKEMS-Molecular Epidemiology Group Meeting. Mar 26th-27th **1997**.
57. **Turner PC**, ****Dingley KH**, **#Coxhead J**, Russell S, Garner CR. Measurable levels of aflatoxin-lysine in human blood from the UK - implications for aflatoxin B1 exposure. Wellcome Trust, London 'UKEMS-Molecular Epidemiology Group Meeting. Nov 20th **1996**.

Posters at non-refereed meetings

1. Koyratty N, Osteresch B, **Turner PC**, Mutasa K, Humpf H, Humphrey JH, Prendergast AJ, Stoltzfus RJ, Smith LE. Multiple mycotoxin exposure among pregnant women and infants in rural Zimbabwe. Graduate Research Day, School of Public Health, University of Buffalo, Sept 23rd **2019**.
2. Ghosh R, Haque M, **Turner PC**, Cruz-Cano R, Dallal C. Racial Differences in the Associations between Urinary Phthalates and Metabolic Syndrome in U.S Adults: NHANES 2005-2014. Public Health Research @ Maryland Day. University of Maryland, US. Apr 2nd **2019**.
3. Craddock HA, **Turner PC**, Quirós-Alcalá L, Payne-Sturges DC. Trends in Neonicotinoid Pesticide Residues from Domestic and Imported Foods in the United States, 1999-2015. *Public Health Research @ Maryland Day: Leadership for the 21st Century*. University of Maryland, US. Apr 6th **2017**.
4. Mutanga W, **Turner PC**, Kadry RA, Payne-Sturges DC. Potential health risks associated with the use of malachite green in imported aquacultured catfish. *Public Health Research @ Maryland Day: Leadership for the 21st Century*. University of Maryland, US. Apr 6th **2017**.
5. Abia WA, Benedikt Warth B, Sulyok M, Krska R, Ezekiel CN, Sarkanif B, **Turner PC**, Moundipa PF. Mycotoxin Research in Cameroon (MycResCam): Trend, Challenges and Ways Forward. Tulln Mycotoxin Summer Workshop July 8-9th **2016**.
6. ***Gost A**, Wallin S, Gambacorta L, Solfrizo M, Kotova N, Olsen M, **Turner PC**. Comparison of single and multi-analyte methods for determination of total deoxynivalenol in Swedish urine. *Bioscience Day*. University of Maryland, College Park, US. Nov 19th **2015**.

7. *Wan LYM, El-Nezami H, **Turner PC**. An in vivo study of Lactobacillus rhamnosus GG intervention in mice following dietary exposure to a deoxynivalenol/zearalenone mix. *Bioscience Day*. University of Maryland, College Park, US. Nov 19th **2015**.
8. *Stinchcomb K, White K and **Turner PC** A comparison of 24 hour versus first morning void urinary deoxynivalenol biomarker concentration in UK adults. *Public Health Research @ Maryland Day: Leadership for the 21st Century*. University of Maryland, US. Apr 8th **2014**. *Student poster prize winner*.
9. *Patel P, *Wan M, El-Nezami H, **Turner PC**. In-vitro assessment of aflatoxin toxicity in a human intestinal cell line Caco-2. *Public Health Research @ Maryland Day: Leadership for the 21st Century*. University of Maryland, Apr 8th **2014**.
10. *Gost A, Wallin S, Solfrizo M, Olsen M, **Turner PC**. A quantitative comparison of urinary deoxynivalenol biomarker concentrations using a single versus multi-mycotoxin assay. *Public Health Research @ Maryland Day: Leadership for the 21st Century*. University of Maryland, Apr 8th **2014**.
11. *Boyle M, Sylla A, Diallo, MS, Wild CP, **Turner PC**. Seasonal fluctuation in serum aflatoxin-albumin levels in adults from Guinea, West Africa. *Public Health Research @ Maryland Day: Leadership for the 21st Century*. University of Maryland, Apr 8th **2014**. *Student poster prize winner*.
12. *Montresor-López J and **Turner PC** (2013). Aflatoxin exposure and childhood growth faltering: Is there a threshold exposure level? *Public Health Research Day*, University of Maryland, College Park, MD. Apr 4th **2013**.
13. *Carey S, *Pasturel BZ, **Turner PC**. Review: Aflatoxin Interventions in West Africa: The critical role of extended breastfeeding. *Public Health Research Day*, Univ. Maryland, College Park, MD. Apr 4th **2013**.
14. **Turner PC**, *Hopton RP, Oswald IP, Hardie LJ, Fisher J. Urinary and serum exposure biomarkers for deoxynivalenol *Bioscience Research and Technology Review Day*, Univ. Maryland, College Park, MD, USA. Nov 27th **2012**.
15. **Turner PC**, Abia WA, Warth B, Sulyok M, Krska R, Tchana, Njobeh PB, Kouanfack C, Eyongetah M, Dutton M, Moundipa PF. A multi-mycotoxin exposure assessment of human urine samples from Cameroon. *Bioscience Research & Technology Review Day*, Univ. Maryland, College Park, MD, USA. Nov 27th **2012**.
16. **Gong YY, Torres-Sanchez L, Lopez-Carrillo L, Peng JH, Sutcliffe AE, White KL, Humpf HU, **Turner PC**, Wild CP. Development of a urinary fumonisin exposure biomarker. *Annual School of Public Health Research Interaction Day*, University of Maryland, College Park, MD. Sept 23rd **2011**. *International research award*
17. **Turner PC**, Rothwell J, White K, Cade J, Wild CP. Cereal intake is correlated with urinary deoxynivalenol in individuals from the United Kingdom. *Annual School of Public Health Research Interaction Day*, University of Maryland, College Park, MD. Sept 23rd **2011**.

TEACHING UNIVERSITY OF MARYLAND

Primary Instructor ^{#1}online, ^{#2} hybrid, ^{#3} practicum, all others are traditional classroom teaching

Spring 2020	MIEH 720 ^{#1}	Principles of Toxicology	5 students	3 Credits
	MIEH 771 ^{#1}	Exposure Assessment	10 student	3 Credits
	MIEH 889 ^{#3}	Dissertation Research	1 student	6 Credits
Winter 2021	MIEH789 ^{#3}	Independent Study	1 student	3 Credits
Fall 2020	MIEH 735	Food Toxicology	7 students	3 Credits
	MIEH 789	Independent Study	1 student	1 Credit

	MIEH 898	Pre-Candidacy Research	1 student	1 Credit
	MIEH 899	Dissertation Research	1 student	6 Credits
Summer 2020	MIEH 600 ^{#1}	Foundations of Environmental Health	5 students	3 Credits
Spring 2020	MIEH 720 ^{#2}	Principles of Toxicology	5 students	3 Credits
	MIEH 609 ^{#3}	Methods in Toxicology	1 student	3 Credits
Fall 2019	MIEH 735	Food Toxicology	10 students	3 Credits
	MIEH 600 ^{#2}	Foundations of Environmental Health	12 students	3 Credits
Summer 2019	MIEH 600 ^{#1}	Foundations of Environmental Health	18 students	3 Credits
Spring 2019	MIEH 720	Principles of Toxicology	4 students	3 Credits
	MIEH 889 ^{#3}	Dissertation Research	1 student	6 Credits
Fall 2018	MIEH 735	Food Toxicology	4 students	3 Credits
	MIEH 600	Foundations of Environmental Health	20 students	3 Credits
	MIEH 889 ^{#3}	Dissertation Research	1 student	6 Credits
Summer 2018	MIEH 600 ^{#1}	Foundations of Environmental Health	36 students	3 Credits
	MIEH 889	Dissertation Research	1 student	6 Credits
Spring 2018	MIEH 720	Principles of Toxicology	5 students	3 Credits
	MIEH 600 ^{#2}	Foundations of Environmental Health	25 students	3 Credits
	MIEH 889 ^{#3}	Dissertation Research	1 student	6 Credits
Fall 2017	MIEH 735	Food Toxicology	8 students	3 Credits
	MIEH 600	Foundations of Environmental Health	20 students	3 Credits
Summer 2017	MIEH 600 ^{#1}	Foundations of Environmental Health	38 students	3 Credits
Spring 2017	MIEH 720	Principles of Toxicology	12 students	3 Credits
	MIEH 799 ^{#3}	Thesis Research	1 student	3 Credits
Fall 2016	MIEH 799	Thesis Research	1 student	3 Credits
Summer 2016	MIEH 600 ^{#1}	Foundations of Environmental Health	32 students	3 Credits
Spring 2016	MIEH 789 ^{#3}	Independent Study	1 student	1 Credit
	MIEH 609 ^{#3}	Methods in Toxicology	1 student	3 Credits
	MIEH 720	Principles of Toxicology	7 students	3 Credits
Winter 2016	MIEH 898 ^{#3}	Pre-Candidacy Research	1 student	3 Credits
Fall 2015	MIEH 735	Food Toxicology	7 students	3 Credits
Summer 2015	MIEH 600 ^{#1}	Foundations of Environmental Health	9 students	3 Credits
Spring 2015	MIEH688A	Seminar: Crit. Anal. Research Methods	5 students*	1 Credit
	MIEH 720	Principles of Toxicology	9 students	3 Credits
Fall 2014	MIEH688	Seminar: Crit. Anal. Research Methods	4 students*	1 Credit
	MIEH 735	Food Toxicology	8 students	3 Credits
Summer 2014	MIEH 600 ^{#2}	Foundations of Environmental Health	11 students	3 Credits
Spring 2014	MIEH688A	Seminar: Crit. Anal. Research Methods	4 students*	1 Credit

	MIEH 720	Principles of Toxicology	9 students	3 Credits
	MIEH 609 ^{#3}	Methods in Toxicology	1 student	3 Credits
	MIEH 789 ^{#3}	Independent Study	1 student	1 Credit
Winter 2013	MIEH789 ^{#3}	Independent Study	1 student	3 Credits
Fall 2013	MIEH688	Seminar: Crit. Anal. Research Methods	8 students*	1 Credit
	MIEH 735	Food Toxicology	8 students	3 Credits
Spring 2013	MIEH688A	Seminar: Crit. Anal. Research Methods	8 students	1 Credit
	MIEH 720	Principles of Toxicology	5 students	3 Credits
	MIEH799 ^{#3}	Master's Thesis Research	1 student	3 credits
Winter 2012	MIEH789 ^{#3}	Independent Study	2 students	3 credits
Fall 2012	MIEH688A ^{#3}	Seminar: Crit. Anal. Research Methods	13 students	1 Credit
	MIEH 735	Food Toxicology	4 students	3 Credits
	MIEH785 ^{#3}	Internship in Public Health	1 student	3 credits
Spring 2012	MIEH 600	Foundations of Environmental Health	10 students	3 Credits
	MIEH 720	Principles of Toxicology	9 students	3 Credits
Fall 2011	MIEH 600	Foundations of Environmental Health	20 students	3 Credits

***SEMINAR MIEH 688** Fall 2013/14 14/15 and Spring 2013/14 14/15– all MIAEH graduate students are required to submit course work thus overall class size was 20-24 students

Guest Lectures

Summer 2020	MIEH 607	Global Classroom: A Risk Based Approach to Ensure Global Food Safety and Security	2 hour
Fall 2019	MIEH 300	Introduction to Environmental Health	1 hour
	SPHL 100	Foundations of Public Health	2x 1 hour
	MIEH 688	Seminar in Environmental Health	1 hour
Summer 2019	MIEH 607	Global Classroom: A Risk Based Approach to Ensure Global Food Safety and Security	2 hour
Spring 2019	CPGH101	College Park Scholars: Global Public Health First-Year Colloquium II	1:15 hour
	SPHL 100	Foundations of Public Health	2x 1 hour
Fall 2018	MIEH 300	Introduction to Environmental Health	2x 1 hour
	SPHL 100	Foundations of Public Health	2x 1 hour
	MIEH 688	Seminar in Environmental Health	1 hour
Summer 2018	MIEH 607	Global Classroom: A Risk Based Approach to Ensure Global Food Safety and Security	2 hour
Spring 2018	MIEH 300	Introduction to Environmental Health	2x 1 hour
	CPGH101	College Park Scholars: Global Public Health First-Year Colloquium II	1:15 hour
	SPHL 100	Foundations of Public Health	1 hour
Fall 2017	MIEH 300	Introduction to Environmental Health	2x 1 hour

Spring 2017	MIEH 300 CPGH101	Introduction to Environmental Health College Park Scholars: Global Public Health First-Year Colloquium II	2x 1 hour 1:15 hour
Fall 2016	MIEH 688 MIEH 300 MIEH 688	Seminar in Environmental Health Introduction to Environmental Health Seminar in Environmental Health	1 hour 2x 1 hour 1 hour
Spring 2016	MIEH 600 CPGH101	Foundations of Environmental Health College Park Scholars: Global Public Health First-Year Colloquium II	2x 3 hours 1:15 hour
Fall 2015	MIEH 600	Foundations of Environmental Health	3 hours
Spring 2015	MIEH 600 MIEH 775	Foundations of Environmental Health Environmental Epidemiology	3 hours 1.5 hours
Fall 2014	MIEH 600 MIEH 688	Foundations of Environmental Health Seminar in Environmental Health	2x 3 hours 1 hour
Spring 2014	MIEH 600	Foundations of Environmental Health	2 x 3 hours
Fall 2013	MIEH 600	Foundations of Environmental Health	2 x 3 hours
Spring 2013	MIEH 600	Foundations of Environmental Health	2x 3 hours
Fall 2012	MIEH 600 MIEH 688	Foundations of Environmental Health Seminar in Environmental Health	2x 3 hours 1 hour
Spring 2012	MIEH 688	Seminar in Environmental Health	1 hour
Fall 2011	HLTH 391	Principles of Community Health	3 hours

Guest Teaching University of Leeds - Undergraduate

Spring 2010	SSC3.3	Literature Review Module	2 hours
Fall 2009	Path 3140	Paper Criticism Tutorial - Medical Students	2 hours
Spring 2009	SSC1.1	Literature Review Module	3 hours
Fall 2008	Path 3140	Paper Criticism Tutorial - Medical Students	2 hours
Fall 2007	Path 3140	Paper Criticism Tutorial - Medical Students	2 hours
Fall 2006	Path 3140	Paper Criticism Tutorial - Medical Students	2 hours
Fall 2005	Path 3140	Paper Criticism Tutorial - Medical Students	2 hours
June 2005	HEFCE	Pre-university Science Day	5 hours
Fall 2004	Path 3140	Paper Criticism Tutorial - Medical Students	2 hours
June 2005	HEFCE	Pre-university Science Day	5 hours
Fall 2003	Path 3140	Paper Criticism Tutorial - Medical Students	2 hours
June 2005	HEFCE	Pre-university Science Day	5 hours
Spring 2003	CSMS3.1	Research Methods	6 hours

*HEFCE Summer School: Pre-university Science Day

Guest Lecture: University of Hong Kong

2007-2020 MSc in Food Safety and Toxicology

Course or Curriculum Development

As **Graduate Director** 2011-13 and 2015-20 played major roles in curriculum development for MPH and PhD programs in MIAEH. Supported the transfer of a modified MPH program based on the CEPH accrediting body dropping the 15 credit core with a 12 credit set of 22 competencies.

MIEH 735: Food Toxicology

Role: Developed course from scratch.

MIEH 600: Foundation of Environmental Health

Role 1: Modified course structure to diversify students learning experience

Role 2: Provided lecture material including online recordings for PLH1 Online version of MIEH 600, *Restricted to students in MPH-PHPP or GC-PPH programs*. Fall and Spring teaching

Role 3: Converted summer in class version of MIEH 600 to hybrid

Role 4: Modified PLH1 online class for SPH-MPH student summer teaching

MIEH 720 Principles of Toxicology

Role: Modified a pre-developed course to give greater focus on toxicology for environmental health rather than clinical toxicology.

MIEH688A/ Seminar: Current Topics in Environmental and Occupational Health

MIEH688 Role: Heavily revamped course to ensure greater student involvement & understanding.

MENTORING AND ADVISING

POST-DOCTORAL

OMARI 2016 – 2018	ADVISOR, MIAEH, School of Public Health, UMD Borlaugh Fellowship from Ghana: Use of soybeans and peanuts in the preparation of complementary foods (Weanimix) in Ghana.
GONG 2001-2008	ADVISOR, Molecular Epidemiology Unit, University of Leeds Development and use of mycotoxin biomarkers in high risk populations
HOUNSA 2001-2004	ADVISOR, Molecular Epidemiology Unit, University of Leeds Role of aflatoxins in childhood stunting
EGAL 2014	ADVISOR, Molecular Epidemiology Unit, University of Leeds Role of aflatoxins in childhood stunting
NIKIEMA 1999 - 2002	ADVISOR, Molecular Epidemiology Unit, University of Leeds Hepatitis B and aflatoxin exposure in Burkina Faso Validation of human biomarkers of fumonisin exposure.
DINGLEY 1995 – 1996	ADVISOR, Environmental Carcinogenesis, University of York <i>Development and Application of aflatoxin biomarkers.</i>

DOCTORAL

DOTTO 2020 -	CO-ADVISOR. Student at NM-AIST, Tanzania Determinants of aflatoxin exposure in Kongwa, Central Tanzania
KAYANDA 2020 -	Dissertation Committee, Student at NM-AIST, Tanzania Complementary feeding practices in infants from Kongwa, Central Tanzania
KAVI 2020 -	ADVISOR. MIAEH, UMD Biomarkers of volatile organic chemicals in hair salons, in PG county, MD.

BOYLE 2020 -	ADVISOR, MIAEH, UMD Racial disparities in occupational exposures in hair salons
CARTER 2019 -	ADVISOR, MIAEH, UMD Analysis of drug and environmental residues in biospecimens and wastewater
PANTHI 2018 -	Dissertation Committee MIAEH, UMD Pharmaceutical uptake by agricultural crops using re-used water
CRADDOCK 2015 - 2019	Co-ADVISOR, MIAEH, University of Maryland Water reuse for food production in the West Bank and Israel.
DeMESQUITO 2017 - 2019	<i>Currently work as a Post-Doc Ben-Gurion University. Israel.</i> Dissertation Committee. MIAEH, University of Maryland <i>Measuring airborne transmission risk for influenza and other respiratory infections.</i>
MONTERESOR-LOPEZ 2015 - 2019	Dissertation Committee, MIAEH, University of Maryland <i>Air pollution, subclinical CVD and inflammatory markers in the SEARCH cohort.</i>
BURWELL 2016 - 2017	Dissertation Committee, MIAEH, University of Maryland <i>Development of a community informed cumulative stressors and resiliency index to examine environmental health disparities and diseases risk in South Carolina.</i>
MALAYIL 2016 - 2019	Dissertation Committee MIAEH, University of Maryland <i>Coupling DNA labelling and next generation sequencing techniques to characterize metabolically active bacteria in non-traditional irrigation water.</i>
BRAUN 2015 -	CO-ADVISOR, Food Chemistry & Toxicology. University of Vienna <i>Innovative LC-MS/MS based bio-monitoring for mycotoxins.</i>
RASPANTI 2012 – 2016	Dissertation Committee, MIAEH, University of Maryland <i>Lung cancer in Nepal: The role of traditional tobacco products and household air pollution.</i>
MURRAY 2015 - 2016	Qualifying Exam Committee, MIAEH, University of Maryland
SMITH 2012-16	CO-ADVISOR, Nutritional Sciences, Cornell University <i>Mycotoxin exposure, gut dysfunction and stunting in Zimbabwean infants.</i>
WAN 2010 – 2016	CO-ADVISOR, Biological Sciences, University of Hong Kong <i>Assessment of mixtures of Fusarium mycotoxins on gastrointestinal toxicity</i>
HOPTON 2008 – 2010	CO-ADVISOR, Chemistry, University of Leeds <i>Nuclear Magnetic Resonance (NMR) approaches to novel mycotoxin biomarkers</i>
PIEKOLLA 2007 – 2012	CO-ADVISOR, Biological Sciences, University of Hong Kong <i>Probiotic intervention to restrict mycotoxin bio-availability in Egyptian women</i>
GRATZ 2005 - 2008	CO-ADVISOR, Clinical Nutrition, University of Kuopio <i>Assessment of probiotic intervention in aflatoxin exposure in vitro and in vivo.</i>
POLYCHRONAKI 2004 – 2007	CO-ADVISOR, Clinical Nutrition, University of Kuopio <i>Assessment of maternal exposure to aflatoxins in Egyptian mothers</i>
MEKY 1998 – 2002	CO-ADVISOR, Molecular Epidemiology, University of Leeds <i>Toxicology of deoxynivalenol and exposure biomarker development</i>

MASTERS

BROUSSARD 2020 -	MS Program Advisor, MIEAH UMD
MANSFIELD 2020 -	MS Program Advisor, MIEAH UMD
PARLOSKI 2020 -	MPH Program Advisor, MIEAH UMD
SIMMS 2020 -	MPH Program Advisor, MIEAH UMD
WEDDERBURN 2020 -	MPH Program Advisor, MIEAH UMD
SNYDER 2019 -	MS Program Advisor, MIEAH UMD
BUDD 2019 -	MPH Program Advisor, MIEAH UMD
SANCHEZ 2019 -	MPH Program Advisor, MIEAH UMD
VALLEJO 2018 -	MS Program Advisor, MIEAH UMD
AISTIS 2018 -	MPH Program Advisor, MIEAH UMD
DOKSHINA 2018	MPH Thesis Committee, MIAEH UMD <i>Health Impact Assessment (HIA) of a Perdue chicken factory, Cecil County, MD.</i>
BEINS 2018	MPH Thesis Committee, MIAEH UMD <i>Potential Environmental Triggers of ANCA-associated Vasculitides.</i>
HYLAND 2017 -	MPH Program Advisor, MIAEH, University of Maryland MPH Capstone Committee Understanding pulmonary infection by airborne viral kinetics
BUCKHOLZ 2017 - 2019	MPH Program Advisor, MIAEH, University of Maryland MPH Capstone Committee ENSO's Influence on Extreme Precipitation and Heat Events in the Contiguous United States
SHARGO 2017 – 18	MPH Thesis Committee, MIAEH, University of Maryland Investigating Chemical Exposure Risks from Urban-Grown Produce and how Washing Practices can serve as a Preventative Measure for Baltimore City Residents
KILCER 2017	MPH Capstone Committee, MIAEH, University of Maryland <i>Delivery and Assessment of Occupational Safety Training Engagement on The Reston Campus, The Defense Intelligence Agency, DoD.</i>
BOONCHASRI 2015 – 17	MPH Advisor, MIAEH, University of Maryland MPH Thesis Chair <i>Pilot survey of repeat morning urinary deoxynivalenol comparison with 24hr concentrations</i>
BRADSHAW 2016 - 2017	MPH Thesis Committee, MIAEH, University of Maryland <i>An assessment of the residual properties of zero-valent iron to remove foodborne pathogens from irrigation water: A pilot Conserve Center study.</i>
MUTANGA 2016 - 2017	MPH Project Committee, MIAEH, University of Maryland <i>Potential health risks associated with the use of malachite green in imported aquacultured catfish.</i>

MAIGA 2016 – 2017	MPH Project Committee, Epidemiology, University of Maryland. <i>Does breastfeeding have the potential for lower lead exposure than formula feeding for infant: <12 months?</i>
PEREZ 2015 – 2016	MPH Project Committee, MIAEH, University of Maryland <i>Known and suspected obesogens and asthmagens found in consumer products</i>
GABBAY 2015 – 2016	MPH Project Committee, MIAEH, University of Maryland <i>An inhalation exposure profile comparison of paint products used at UMD</i>
LU 2015 – 2016	MS Thesis Committee, Food Safety, University of Maryland Attachment, growth and persistence of Cronobacter on granular activated carbon water purification filters.
GOST 2014 – 2016	MPH Independent Study Supervisor, MIAEH, University of Maryland <i>Comparison of single and multi-analyte methods for determination of urinary total deoxynivalenol in human samples.</i> Turner et al., 2017 J. Agri. Food Chem. DOI 10.1021/acs.jafc.6b04755 <i>Currently working as a Program Manager of the Climate and Health Program at the Maryland Department of Health</i>
LI 2014 – 2016	MPH Program Advisor, MIAEH, University of Maryland Capstone Project Chair <i>Assessment Wi-Fi Wavelength and Children's Health</i>
HAQUE 2014 -2015	MPH Project Committee, Epidemiology, University of Maryland. <i>Associations between urinary phthalates & metabolic syndrome in NHANES 2005-10</i> FDA invited talk
BOYLE 2014	MPH Independent Study Supervisor, MIAEH, University of Maryland <i>Poster Presentation: Public Health Research @ Maryland Day (2014)</i> <i>Seasonal variation in aflatoxin albumin biomarkers in young Guinean children</i> Masters Student Poster Prize winner
STINCHCOMB 2014	MPH Independent Study Supervisor, MIAEH, University of Maryland <i>Poster Presentation: Public Health Research @ Maryland Day (2014)</i> <i>The relationship between cereal consumption and urinary DON biomarkers levels in humans.</i> Masters Student Poster Prize winner
PATEL 2013 - 2015	MPH Program Advisor, MIAEH, University of Maryland MPH Independent Study Supervisor <i>Poster Presentation: Public Health Research @ Maryland Day (2014)</i> <i>In-vitro assessment of aflatoxin toxicity in a human intestinal cell line Caco-2.</i>
AMNIPONG 2013 - 2014	MPH Program Advisor, MIAEH, University of Maryland
AQUIREE 2012 - 16	MPH Program Advisor, MIAEH, University of Maryland
MONTRESOR -LOPEZ 2013	MPH Independent Study Supervisor, MIAEH, University of Maryland <i>Poster Presentation: School of Public Health Research Day, UMD.</i> <i>Aflatoxin exposure and childhood growth faltering: Is there a threshold exposure level?</i>
PASTUREL 2012 – 2013	MPH Thesis Committee, MIAEH, University of Maryland <i>Impact of rurality, broiler operations, and community socioeconomic factors on the risk of campylobacteriosis in Maryland</i> MPH Independent Study Supervisor, MIAEH, University of Maryland

Development and validation of exposure biomarkers to dietary contaminants mycotoxins: A case for aflatoxin and impaired child growth.

Turner and Pasturel 2013. In: Lee M-LT, Gail M, Pfeiffer R, Satten G, Cai T, Gandy A, editors. Risk assessment and evaluation of predictions. NY, USA: Springer. p. 333–47.

- MURRAY**
2012 – 13
MPH Project Committee, MIAEH, University of Maryland
Assessment of pollution exposure in recreational populations of the Anacostia watershed
- BRAUN**
2012 – 13
MPH Project Committee, MIAEH, University of Maryland
Alcohol exposure in preterm infants in neonatal isolette
- CALER**
2012
MPH Independent Study Supervisor, MIAEH, University of Maryland
Aflatoxin assessment methods – temporal trends in biomarker use.
- CAREY**
2011 – 13
MPH Program Advisor, MIAEH, University of Maryland
MPH Project Chair
Assessing antibiotic resistant enterococcus in reclaimed water for spray irrigation.
- MPH Independent Study Supervisor, MIAEH, University of Maryland**
Aflatoxin interventions in West Africa: The critical role of extended breastfeeding.
Poster Presentation: School of Public Health Research Day, UMD (2013)

UNDERGRADUATE

- ISITT**
2010
BS Medical Sciences, Project Supervisor, School of Medicine, University of Leeds.
Role of biomarkers in evaluating human health concerns from fungal contaminants in food.
Turner et al., 2012. Nutrition Research Reviews 25: 162-79
- ALI**
2009
BS Medical Sciences, Project Supervisor, School of Medicine, University of Leeds
Role of biomarkers in evaluating human health concerns from fungal contaminants in food.
Turner et al., 2012. Nutrition Research Reviews 25: 162-79
- RAJENDRAM**
2008
Medicine Project Supervisor, School of Medicine, University of Leeds
University of Leeds Rank Studentship
The validation of urinary biomarkers for exposure to deoxynivalenol
Turner et al 2010. Biomarkers 15(6): 553-562.
- YEUNG**
2004
BS Medical Sciences, Project Supervisor, School of Medicine, University of Leeds
Validation of fumonisin biomarkers in a population naturally exposed
- STUBLEY**
2003
BS Biochemistry and Genetics, Project Supervisor, University of Leeds
Vitamin D Receptor Polymorphisms and Type 1 Diabetes
- SPENSER**
2002
BS Biochemistry and Genetics, Project Supervisor, University of Leeds
Oesophageal cancer: Mycotoxin Association and Biomarker Development
- WILKINSON**
2001
BS Biochemistry and Genetics, Project Supervisor, University of Leeds
Environmental carcinogens bound to histones as biomarkers for human exposure
- ALAM** 2000
BS Biochemistry and Genetics, Project Supervisor, University of Leeds
Polyacrylamide gel electrophoresis methods to separate histone proteins
- COXHEAD**
1996 - 1997
BS Biochemistry, Supervisor, Environmental Carcinogenesis, University of York
12-month Internship
Assessment of aflatoxin-albumin biomarker methodology development
Turner et al., 1998. Cancer Epi. Biomarkers. Prev. 7(5) 441-7.

TECHNICAL STAFF SUPERVISION

SHIRES 2009 - 2010	Molecular Epidemiology Unit School of Medicine University of Leeds Synthesis of novel standards for mycotoxin biomarker analysis
WHITE 2006 - 2010	Molecular Epidemiology Unit School of Medicine University of Leeds Development and validation of urinary DON biomarkers Assessment of urinary DON in the UK adult National Diet and Nutrition Survey Racial Difference in DON exposure in Bradford UK Assessment of DON in the Swedish Adult National Diet and Nutrition Survey
ROTHWELL 2005 - 2007	Molecular Epidemiology Unit School of Medicine University of Leeds Development of LC-MS technologies for biomarker analysis
SMITH 2004	Molecular Epidemiology Unit School of Medicine University of Leeds Coordination of the Laboratory requirements to establish the LIGHTLaboratories in the School of Medicine, and organize departmental move
SUTCLIFFE 2004 - 2009	Molecular Epidemiology Unit School of Medicine University of Leeds Aflatoxin-albumin measurements for multiple projects in West Africa using ELISA
SAVAGE 2002 - 2003	Molecular Epidemiology Unit School of Medicine University of Leeds Assessment of genetic susceptibility to aflatoxin exposure in The Gambia
ROWLEY 2001 - 2002	Molecular Epidemiology Unit School of Medicine University of Leeds Development of urinary, serum and buccal biomarkers for fumonisins.
WORRILOW 2000 - 2004	Molecular Epidemiology Unit School of Medicine University of Leeds Aflatoxin-albumin measurements on multiple projects in West Africa using ELISA Development of PAGE methods for AF-histone biomarkers PCR polymorphisms for aflatoxin metabolizing enzymes in Gambian populations
WILSON 1998 – 1999	Molecular Epidemiology Unit School of Medicine University of Leeds Aflatoxin-albumin measurements in Guinean blood samples
LAMB 1998 – 1999	Molecular Epidemiology Unit School of Medicine University of Leeds Establishing three laboratories from scratch Assessment of Genetic susceptibility to aflatoxin exposure in West Africa

SERVICE

Department (MIAEH)

2011 - 2013 & 2015 - present	MIAEH Graduate Director
2019 – 2020	Chair: Asst Prof Hire Committee
2019	APT Sub-committee (Dr Payne-Sturges)
2017 - present	APT EPIB/MIAEH-committee
2018 - present	Internship Coordinator
2013 - present	Admissions Committee Chair
2011 - present	Admissions Committee Member
2013 - 2014	Faculty Hire Committee: Env Health
2018	Admin Assistant Hire Committee
2015 – 2018	Grievance Committee Chair
2013 – 2014	Merit Committee Chair
2015 – 2016	Comm & Website Committee member
2011 – 2016	Safety Officer and Representative to BACH

School of Public Health (SPH)

2020	APT Sub-committee (Dr Slopen)
2018 – present	Undergraduate Degree Program Task Force
2017 – 2018	CEPH Core Competencies Committee
2017 - present	Global Health Scholars Committee
2016 – 2017	Hire Committee: Asst Prof Global Health
2016 – 2017	Hire Committee - Epidemiology Chair
2011 - present P	CC/VPAC Committee Member
2011 – 2013	Senate Executive Committee Member
2011 - 2013, 2015 – 2018	Graduate Public Health Committee Member
2013, 2014, 2016, 2018, 2019	Poster Judge: Public Health Res@Maryland

University

2020 – present	UMD Graduate Council
2015	Banneker Key, UMD: 2 nd phase reviewer
2016	Banneker Key, UMD: 3 rd phase interviewer
2015, 2017-2019	Bioscience Day, UMD: Poster Judge.
2016, 2018,	Poster Judge UMD Graduate Research Day

Professional

2020 – present: Section Editor-in-Chief "Toxicology and Public Health" in IJERPH

2019 – present: Editor International Journal of Environmental Research and Public Health

2019: Discussion Leader: Keynote - Gordon Research Conference, Mycotoxins and Phycotoxins, Stonehill College, MA, USA. Jun 17th – 20th 2019.

2019: Career Panelist: Gordon Research Seminar, Mycotoxin and Phycotoxins, Stonehill College MA, USA, Jun 15-16th 2019.

2017: Conference Chair: Gordon Research Conference, Mycotoxins and Phycotoxins, Stonehill College, MA, USA. Jun 14th - 19th 2017.

2017: Discussion Leader: Gordon Research Conference, Mycotoxins and Phycotoxins, Stonehill College, MA, USA. Jun 14th - 19th 2017.

2017: Session Chair: EFSA International Conference Mycotoxins in the agri-food chain: a real challenge for the global food safety and security. Rome, Italy. Dec 15th - 16th 2017.

2016-2017: Chair: Trial Steering Committee: MAICE Trial - Mitigating aflatoxin exposure to improve child growth in Eastern Kenya. *Funded by the Department for International Development - GOV.UK*

2016: Expert Panel: Grant Review: The Research Foundation Flanders (Fonds Wetenschappelijk Onderzoek – Vlaanderen, FWO) Applied Biological Sciences (Bio4): Unravelling the interaction between aflatoxin B1 exposure and liver cancer.

2016: Discussion Panelist: Towards Diagnosing Aflatoxin Exposure in Africa. The Partnership for Aflatoxin Control in Africa (PACA) “Engaging the Health and Nutrition Sectors in Aflatoxin Control in Africa”. African Union Commission Headquarters, Addis Ababa, Ethiopia **March 23rd -24th**

2015: USDA Grant Panel Chair July 2015-Feb 2016: USDA-Agricultural Research Service Peer Review: Panel Chair, NP 108 Panel 1: Mycotoxins-Aspergillus of the USDA, ARS 108 Food Safety National Program

2015: Editor of Special Edition of Toxins “Mycotoxins and Human Disease” Jan – Aug 2015

2015 Conference Vice Chair: Gordon Research Conference, Mycotoxins and Phycotoxins, Stonehill College, MA, USA. Jun 14th - 19th 2015.

2015: Discussion Leader: *Keynote Session – Future Perspectives and Directions in Mycotoxin and Phycotoxin Research.* Gordon Research Conference, Mycotoxins and Phycotoxins, Stonehill College, MA, USA. Jun 14th 19th 2015.

2015: Graduate Students Career Panelist: Preparing for the Future. Gordon Research Seminar, Mycotoxins and Phycotoxins, Stonehill College, MA, USA. Jun 13th - 14th **2015.**

2015: Comment on **2015-Flavor and Extract Manufacturers Association Safety Report** for Erin Quinn; Public Integrity Reporter.

2014-present: Editor of journal – Toxins

2014: WHO/IARC WP1 Co-Chair: Human exposure to aflatoxins and fumonisins. Workshop: Mycotoxin control in low- and middle-income countries IARC Working Group. June 2014.

2014: NIH Reviewer: NIH Special Emphasis Panel/Scientific Review 2015/01 ZES1 SET-J (R4) 1 Dec **2014**

2013: Session Chair and Discussion Leader “Outbreaks, Exposures, and Risk Assessment.” Mycotoxins & Phycotoxins Gordon Research Conference at Stonehill College in Easton, MA. June. 16th -21st **2013.**

2013: NCI Faculty Hire Committee, National Cancer Institute– Occupational Epidemiology/Industrial Hygiene.

2013: Grant Reviewer The Maize Trust. June 28th 2013.

2006: Discussion Group Leader “Biomarkers of exposure of relevance to Europe, USA and Latin America”. Advances in research on toxigenic fungi and mycotoxins in South America. Cordoba, Argentina Mar 15th -17th, **2006**

Peer Review of Manuscripts 2000 – 2019

Typically 10-12 per year from: Applied and Environmental Microbiology, Biomarkers, Carcinogenesis, Cancer Epidemiology Biomarkers and Prevention, Diabetes, Environmental Chemistry, Environmental Health Perspectives, Food Additives and Contaminants, Food and Chemical Toxicology, Molecular Nutrition and Food Research, Plos One, Research in Veterinary Science, Toxicological Sciences, Toxicology In Vitro, Toxicology Letters, Toxicon, Toxins, World Mycotoxin Journal, Autism Research, Annals of Animal Science, Current Analytical Chemistry, International Journal of Analytical Chemistry, International Journal of Hygiene and Environmental Health, BMC Microbiology.

Peer Review of Textbooks

Aug - Oct 2016: 4th Edition of the American Academy of Pediatrics’s landmark book “Pediatric Environmental Health”

Nov 2015: Casarett & Doull's Toxicology: The Basic Science of Poisons. 9th Edition. Curtis Klaassen, McGraw-Hill Education.

June 2012: Principles and Practice of Toxicology in Public Health: 2nd Edition. Ira S. Richards Marie Bourgeois. Jones & Bartlett Learning. *Subsequently adopted for MIEH 720: Principle of Toxicology taught to all MIAEH MPH and PhD students*