Njwen Anyangwe, Ph.D.
Curriculum Vitae
Dated April 6, 2024
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Njwen Anyangwe, Ph.D.

Executive Summary

- Multidisciplinary scientist with education, experience and training in Biochemistry, Cancer Biology, Molecular Biology, Nutrition, Pharmacology and Toxicology.

- Experienced professor with over 23 years of university teaching experience. Taught biochemistry, biology, nutritional biochemistry, nutrition and health, organic chemistry courses at several universities.

- Pharmacology – Toxicology Reviewer with 14 years of experience at the United States (U.S.) Food and Drug Administration (FDA), evaluating toxicology and safety data in regulatory submissions to the FDA and providing guidance in toxicology subject matters to industry in pre-submission meetings.

- Toxicology and Food Safety Consultant with two and half years of experience providing technical support to clients in the toxicology subject matter relevant to foods, drugs, medical devices, and chemicals, for regulatory submissions to regulatory agencies including FDA and the Environmental Protection Agency (EPA).

- Experienced in reviewing and evaluating toxicity data in investigative new drug (INDs) submissions, new drug applications (NDAs), food additive petitions (FAPs), color additive petitions (CAPs), generally recognized as safe substances notifications (GRN) and new dietary ingredient notifications (NDIN).

- Life-long learner- constantly attending and / or presenting at professional meetings, continuous education courses, webinars and symposia to keep abreast of the relevant scientific literature in nutrition and toxicology, current toxicological methods and principles, emerging toxicological sciences and new approach methodologies.

- Co-authored several research publications in nutrition, toxicology, DNA repair, and cancer research. Developed presentations and presented at many scientific meetings.

- Previously, Toxicology and Food Safety Consultant (Senior Scientist) at Exponent Engineering and Scientific Consulting Firm (Washington DC), assisting clients in the food,

drug, medical device, pesticide and chemical industries obtain regulatory approvals or acknowledgements by providing regulatory support and technical expertise in the areas of toxicology, food safety, nutrition and bioinformatics.

- Previously, Oak Ridge Institute of Science and Education (ORISE) fellow (Toxicology Reviewer) at the U.S. FDA, evaluating the safety of new dietary ingredients in dietary supplements and providing guidance in toxicology subject matters to industry in pre-notification meetings.

- Conducted hazard evaluations for dietary ingredients for use in dietary supplements.

- Over 20 years of experience, teaching Biochemistry, Biology, Food Science, Nutrition and Health, and Organic Chemistry courses at several universities including Howard University, Washington D.C, Wayne State University, Detroit, Michigan, Madonna University, Livonia, Michigan and University of Buea, Cameroon.

ACADEMIC CREDENTIALS

- Ph.D., Nutrition and Food Science (Major), Cancer Biology (Minor), Wayne State University, Detroit, MI, USA, 2005.
- M.S., Medical Biochemistry, University of Port Harcourt, Nigeria, 1995.
- B.S., Biochemistry (First Class Honors), University of Port Harcourt, Nigeria, 1991.

SPECIALIZED EXPERIENCE

I have 14 years of experience at the US Food and Drug Administration. I have specialized experience in the following areas:

1. **Ability to manage multiple projects**

    - As a Pharmacologist / Toxicologist in the Office of New Drugs (ONDs) at the Center for Drug Evaluation and Research (CDER) in the FDA, I review Investigational New Drug (IND) applications and New Drug Applications (NDA) for general endocrinology drugs, bone disorder drugs and lipid disorder drugs.

    - As a Toxicologist at the Office of Food Additive Safety (OFAS), I evaluated GRAS notices, food additive petitions (FAPs), and color additive petitions (CAPs). I was involved in many pre-submission meetings with industry and stakeholders to provide them with guidance in toxicology subject matter. I was the low-calorie sweetener (LCS) technical expert in reviewing the scientific report of the 2020 Dietary Guidelines Advisory Committee and the 2020-2021 Dietary Guidelines for Americans. I was the CFSAN Liaison to the Institute for the

Advancement of Food and Nutrition Sciences (IAFNS), previously known as the International Life Science Institute North America (ILSI NA) and have made multiple presentations at several ILSI NA scientific meetings (for example ILSI NA webinar with Diabetes Canada; ILSI NA webinar with the American Association for Clinical Endocrinologist (AACE)); whilst performing my daily duties as a toxicology reviewer at the FDA. At the same time, I also responded to inquiries from stakeholders to OFAS involving LCS. I completed FDA Project management training in 2016.

- As a Toxicology and Food Safety consultant at Exponent Consulting, I managed simultaneously multiple safety assessments and regulatory submissions (GRAS notices, FAPs, CAPs, New Dietary Ingredient (NDI) Notifications, and Food Contact Notifications (FCNs) to the US FDA as well as chemical and pesticide assessments to US Environmental Protection Agency.

- As a Toxicologist at FDA/ODSP, I reviewed over 150 NDI notifications, and I worked on at least 5 of these at the same time, whilst also doing compliance / enforcement cases, drafting guidance, involved in research projects, presenting in scientific meetings and co-authoring publications.

- Project management: I completed the IEEE training "Getting Project Management Basic Right" on September 6, 2014.

2. Experience with current research and scientific methods

- I was involved in developing the protocol and study design of a 90-day study for the Aloe vera project and reviewing and developing several 90-day studies and 2-year bioassay studies at OFAS and at Exponent Consulting.
- I constantly review toxicology and pharmacology data in regulatory submission packages and these toxicology sections contain current research and scientific methods.
- I constantly review publications in my didactics at Howard University.
- I constantly attend scientific meetings, continuous education courses, webinars, workshops and professional conferences to keep myself abreast of the current research, current toxicological methods, new emerging science and new approach methodologies as seen in my selected trainings and workshop section.
- I have co-authored several publications which entail scientific methods and current research.
- My research:
    - Bachelor's Thesis: "The efficacy of different brands of chloroquine"
    - Master's Dissertation: "Efficacy of *Scoparia dulceus* and *Catharanthus roseus* in the management of Diabetes mellitus"
    - PhD Dissertation: The "role of the tumor suppressor gene p53 in the regulation of DNA polymerase beta- dependent base excision repair pathway).

- Postdoctoral research: "Signaling pathways in colorectal cancer" all are evidence of my experience with research and scientific methods.

3. Verbal Communication Skills (Public Speaking)

- I am currently an Adjunct Professor at Howard University since August 2016. I teach graduate students' nutritional biochemistry courses. I have excellent course evaluations from my students with a consistent rating ≥ 4.44/5.00.
- I have over 23 years of experience teaching biochemistry, biology, food science, nutrition and health, and organic chemistry courses at several universities.
- I have been invited speaker, keynote speaker, featured speaker and career panelist at many scientific and non-scientific conferences (see section "Invited Speaker…" on page 9 of my CV).
- I have presented my research at many scientific meetings and within the agency.
- I host non-scientific events such as annual galas, birthday parties, celebration of life ceremonies, not-for-profit organization occasions etc. as the mistress of ceremony.

4. Written communication skills

- I am co-author to several scientific publications and was an equal contributor in all these publications.
- I drafted some sections of the new dietary ingredient notification guidance.
- I have written over 200 toxicology memos, many safety narratives, conducted many safety assessments and several health hazard evaluations throughout my career as a toxicologist in ODSP, Exponent Consulting, OFAS and OND.
- I have generated regulatory submissions to the FDA as Toxicology and Food Safety Consultant at Exponent Consulting.
- I have developed many presentations throughout my career, developed course syllabi throughout my teaching career, and developed many manuscripts.
- I am a Scientific Reviewer of the Regulatory Toxicology and Pharmacology Journal.

PROFESSIONAL EXPERIENCE

February 2023 -Present: Pharm- Tox Reviewer, Center for Drug Evaluation and Research, US FDA. 40 hours a week (Full Time)

- Review INDs and NDAs for general endocrinology, bone disorder and lipid disorder drugs.

September 2015-February 2023: **Toxicology Reviewer, GS-0415-13, Office of Food**

Additive Safety, Center for Food Safety and Applied Nutrition (CFSAN), US FDA. 40 hours a week (Full Time)

- Review and evaluate experimental toxicology and pharmacological data as well as human data (from a scientific and technical perspective), to permit scientifically based decisions directed towards the protection of health, to ensure the safety of food additives, color additives and Generally Recognized As Safe (GRAS).
- Analyze contaminants present in food ingredients and color additives using pharmacological test methods. Evaluate results to ensure that there are no safety concerns at the levels present.
- Review the safety of GRAS and food additive ingredients.
- Provide pharmacological guidance and recommendations to industry during pre-submission consultations for their intended food additive ingredient.
- Member of several internal working groups at the FDA.
- Represent OFAS and CFSAN at various conferences, agency and industry meetings.
- Manage simultaneously multiple safety assessments and regulatory submissions to US regulatory agencies.
- Served as the low-and No-calorie sweetener (LNCS) technical expert in reviewing the Scientific Report of the 2020 Dietary Guidelines Advisory Committee and the 2020-2021 Dietary Guidelines for Americans.
- Served as CFSAN Liaison to the Institute for the Advancement of Food and Nutrition Sciences (IAFNS, formally ILSI) LNCS Committee.

2013- September 2015: **Toxicology Consultant (Senior Scientist), Exponent's Health Sciences Center for Chemical Regulation and Food Safety, NW, Washington DC 40 hours a week (Full Time)**

- Provided regulatory and technical support to clients including strategy; advice; toxicology guidance; reviewed study protocols; evaluated toxicology data packages, identified data gaps, and made recommendations; bioinformatics analysis; allergenicity assessment; and product characterization.
- Conducted scientific literature search and evaluated preclinical pharmacology and toxicology data and human data in the safety assessments of food and dietary ingredients including Food Contact Substances (FCS), GRAS ingredients, and New Dietary Ingredients (NDI).
- Performed risk assessments for a variety of food ingredients based on a combination of pharmacology / toxicology / human data and the utilization of surrogate approach.
- Developed comprehensive toxicology profiles for FCS and comprehensive safety profiles for GRAS ingredients and NDI.
- Prepared reports and submissions to the US FDA - GRAS dossiers, Food Contact Substance Notifications (FCN) and NDI Notifications.
- Assessed the toxicological potential of new manufacturing processes or changes in current manufacturing processes used for food ingredients and food contact substances.

- Provided technical review of waivers for inerts and pesticides.

January 2008-2013: **ORISE Fellow (Toxicology Reviewer), US FDA, CFSAN, Division of Dietary Supplements Program, Office of Nutrition, Labeling and Dietary Supplements (Full Time, 40 hours)**

- Reviewed over 150 NDI notifications to ensure the safety of new dietary ingredients.
- Prepared comprehensive reports on the experimental methods, results and conclusions of preclinical studies on food and dietary ingredients.
- Prepared toxicology review memorandum that discussed findings from the evaluation of the data and submitted substantive recommendations regarding the safety of the dietary ingredients.
- Reviewed labeling of the dietary supplement to ensure that the conditions of use of the dietary supplement are supported by the preclinical and clinical data and are consistent with the regulations.
- Prepared health hazard evaluations (HHEs) and talking points for dietary ingredients of public health concern and provided expert guidance and consultation to management within the agency on the public health impacts of these exposures.
- Coordinated with other scientists within a multidisciplinary environment (toxicologists, medical officers, chemists, botanist, compliance officers, and nurses) to resolve scientific regulatory conflicts to avoid delays in achieving goals.
- Met with industry representatives to exchange information and to provide advice and guidance regarding toxicology subject matter related to their new dietary ingredient.
- Routinely acted as project manager for ingredient submissions and prepared response letters and related correspondence to stakeholders.
- Served on several working groups and technical expert panels at the FDA.
- Developed and maintained expertise in the field of toxicology and risk assessment.
- Provided scientific support in enforcement and compliance cases.
- Provided scientific support in the development of the "Draft Guidance for Industry: Dietary Supplements: New Dietary Ingredients Notifications and Related Issues.

A. TEACHING EXPERIENCE

2016-Present ***Adjunct Professor*** Department of Nutritional Sciences, College of Nursing and Allied Health Sciences, Howard University, Washington DC Graduate Courses taught: Carbohydrate and Energy Metabolism (6xs); Vitamin Metabolism (6xs); Mineral Metabolism (6xs); Macronutrients I (1x), Micronutrients I (1x), Macronutrients II (1x) and Micronutrients II (1x).

2013 ***Adjunct Faculty*** College of Health Studies, Prince Georges Community College, Largo, MD. Course taught: Introduction to Nutrition

2005 -2007 ***Adjunct Assistant Professor,*** College of Mathematics and Science, Madonna University, Livonia, MI. Courses taught: Introduction to Life Chemistry; The living World

2006 ***Adjunct Faculty,*** Department of Nutrition and Food Science, Wayne State University, Detroit, MI. Course taught: Nutrition and Health.

2002-2005 ***Graduate Teaching Assistant,*** Department of Nutrition and Food Science, Wayne State University, Detroit**.** Courses taught: Nutrition and Health; Laboratory Techniques; Introductory Food Science; Nutritional Biochemistry.

Summer 2002/2003 ***Research Assistant,*** **Department of Nutrition and Food Science, Wayne State University, Detroit.**

- Conducted research on folate deficiency and susceptibility to cancer.
- Supervised and trained new graduate students in the laboratory.
- Assumed responsibility for day-to-day management of research laboratory (maintain inventory of laboratory equipment, reagents and supplies; performed purchase orders; performed wipe tests).

1995- 1999 ***Assistant Lecturer,*** **Department of Life Sciences (Biochemistry unit), University of Buea, Cameroon.**

Team-taught courses: Enzymology; Structural Biochemistry; Metabolic Pathways I and II; Analytical Biochemistry; Molecular Biology and Biophysical Chemistry**.**

University of Buea, Cameroon / University of Manchester, UK workshop on Staff development for university administrators and lecturers, University of Buea. September 9th, 1997.

B. RESEARCH EXPERIENCE

Doctoral and post-doctoral research studies focused on cancer and molecular biology. Experienced in animal experimentation, cell culture techniques, and molecular biology techniques including BLAST, Western blot, polymerase chain reaction, gel electrophoresis, DNA damage / repair assays, and siRNA technology.

- Post-doctoral fellowship: studied the effect of pressure and strain on colon cancer cell adhesion, migration, and proliferation with the goal to identify potential therapeutic targets for colorectal cancer.

- Ph.D. dissertation examined the role of the tumor suppressor gene p53 in DNA polymerase β-dependent base excision repair pathway.

- M.S. dissertation examined the efficacy of antidiabetic herbs *Scoparia dulcis* and *Catharanthus roseus* in the management of diabetes mellitus.

- B.S. dissertation examined the efficacy of different brands of chloroquine in the treatment of malaria.

CERTIFICATIONS

Diversity, Equity and Inclusion Certificate, University of South Florida Muma School of Business, May 2021

AWARDS

- FDA Group Recognition Award: Synthetic Flavors Petition Review Team, September 2019
- Several CFSAN Incentive Awards: December 2017, May 2018, December 2019, March 2020.
- FDA CFSAN Team Spirit Award: Caffeine Working Group, 2015.
- FDA CFSAN Team Spirit Award: Hydroxycut Recall and Reformulation Review Team, 2010.
- Poster of Distinction, Digestive Disease Week 2008, San Diego, CA, 2008.
- Biotechnology Institute Fellow, 2007.
- National Institute of Diabetes and Digestive and Kidney Disorders (NIDDK) Minority RO1 Supplement, 2006-2007.
- Graduate Student Professional Travel Award, Wayne State University, 2005.
- Summer Dissertation Fellowship, Graduate School, Wayne State University, 2004.
- Arthur J. Walker Memorial Annual Scholarship, Wayne State University, 2003.
- Parent Family Endowed Scholarship, Department of Nutrition and Food Science, Wayne State University, 2002.
- Nomination into Wayne State University's Epsilon Beta Chapter of Phi Beta Delta Honor Society for International Scholars, 2002.
- Thomas Rumble Fellowship, Wayne State University, 2001.
- Best Graduating Female Student; Best Graduating Faculty of Science Student; Best Biochemistry Student; Dr. Omogbai's Memorial Prize for Best Biochemistry Student; University of Port Harcourt Women's Prize for Best Graduating Female student, University of Port Harcourt, 1991.

SELECTED TRAININGS AND WORKSHOPS IN NON-CLINICAL DRUG DEVELOPMENT AND OTHER RELEVANT EXPERIENCE

- Basic Drug Law course, Toxicology for Non-Toxicologists Course, Fundamental Course for New Drug Reviewers, US FDA, 2023
- Specialty Crop Regulatory Assistance (SCRA) 2021 workshop: nuts and bolts of U.S. biotechnology regulations; June 8-9, 2021
- American College of Toxicology Advanced Toxicology Course, August 5-9, 2019
- Systematic Review Workshop,
- MID-AMERICA Toxicology Course, Kansas City, MO. April 28- May 3, 2019.
- PBPK Modeling Workshop, Michigan State University, Lansing Michigan, May 15-17, 2018.
- University of Maryland / FDA Joint Institute of Food Safety and Applied Nutrition (JIFSAN) Risk Analysis Training (Overview, Risk Management, Risk Communication,

Qualitative Risk Assessment, Quantitative Risk Assessment, June 2017.

- Epidemiology Course, CFSAN Staff College, 2017.
- IEEE 'Getting project Management Basic Right' Course, completed September 2014.
- 'Introduction to Risk Sciences and Public Policy' Course (4 credits), Johns Hopkins Bloomberg School of Public Health, Baltimore MD, Third Term Winter January - April 2013 (Completed- 'A' grade).
- Completed many Continuing Education Courses / training in Toxicology and Drug Development from the Society of Toxicology (SOT) and the American College of Toxicology (ACT).
  - The What, When, and How of Using data from Alternative testing methods in Chemical Safety Assessments, March 11, 2018, SOT 2018, 4 hours.
  - Current principles for Nonclinical Chronic Toxicity / Carcinogenicity Testing of Environmental Chemicals, March 12, 2017, SOT 2017, 4 hours.
  - Detecting Cancer Risks in drugs: Design, Conduct and Interpretation of Carcinogenicity studies for Regulatory Approvals, March 12, 2017, SOT 2017, 4 hours.
  - Adverse Outcome Pathway (AOP) Development and Evaluation, SOT 2016, 4 hours.
  - Human Health Risk Assessment: A Case Study Application of Principles, SOT 2016, 4 hours.
  - PBPK Modeling to support Modernized Chemical Safety Assessment, March 11, 2018, SOT 2018, 4 hours.
  - Preclinical Drug Development from Small Molecules to Biologics, March 11, 2012, SOT 2012, 4 hours.
  - Basic Embryology and Developmental Toxicity Testing, March 11, 2012, SOT 2012, 4 hours.
  - Drug Development 101, November 7, 2010, ACT 2010, 4 hours.
  - Toxicology for Industrial and Regulatory Scientists, April 26-30, 2010, ACT, 40 hours.
  - New Technologies and Approaches in Genetic Toxicology and their expanding role in Genetic Toxicology and Safety Assessment, March 6, 2011, SOT 2011, 4 hours
  - ICH Initiatives for Conducting Pharmaceutical Preclinical Safety Studies: new and revised Guidelines and Challenges, March 7, 2010, SOT 2010, 4 hours.
  - Translation of Safety Biomarkers in Drug Discovery and Development, March 15, 2009, SOT 2009, 4 hours.
  - Introduction: Epidemiology for Toxicologist, March 16, 2008, Sot 2008, 4 hours. Mini-pigs as an alternative Non-Rodent Species in Toxicology and Safety Studies, March 16, 2008, SOT 2008, 4 hours.
- Technical Writing Course for Reviewers, FDA White Oak Campus, May 10-14, 2012.
- Use of plain language to write documents for the FDA, May 5, 2009
- The Federal Register: What it is and How to use it. September 29, 2009.
- Genotoxicity and Carcinogenicity Workshop, BioReliance, MD, April 23-24, 2009
- Developmental Toxicology Workshop: New Directions workshop by HESI,
- Washington DC, April 29-30, 2009
- Basic Food and Drug Laws Certificate, 2008, 2010.
- Nanotechnology in Medicine, The Foundation for Advanced Education in the Sciences Inc., NIH, July 2008.
- Certificate in 'College Teaching': Professional development, Office of Teaching and Learning, Wayne State University, Detroit. February 18th, 2005.

INVITED SPEAKER / KEYNOTE SPEAKER / GUEST LECTURER / CAREER PANELIST

Invited Keynote Speaker, 10th West African Society of Toxicology (WASOT) Annual Meeting, August 2021.

Invited Speaker: ILSI North America / Diabetes Canada Webinar on "Tools and Tactics for Reducing Added Sugars Intake, September 18, 2019.

Invited Speaker: ILSI North America / American Association of Clinical Endocrinologists webinar on "Tools and Tactics for Reducing Added Sugars Intake: Guidance for Practitioners with a Focus on Low-Calorie Sweetener Safety and Appropriate Use, October 18, 2019.

Career Panelist, Exploring Careers in Toxicology Roundtable, Society of Toxicology (SOT) Undergraduate Diversity Initiative Career Opportunities Session, March 11, 2018; March 10, 2019, March 24th, 2021.

Invited Speaker, Saudi Food and Drug Authority (SFDA), 1st Annual Food Conference, November 7-9, 2017; 2nd Annual Food Conference, September 24-27, 2018, Riyadh, Saudi Arabia.

Keynote Speaker: EXSSA USA Convention, Boston, August 2017

Invited Speaker, 14th International Symposium on Recent Advances in Environmental Health Research, Jackson State University, Mississippi, September 13, 2017.

Guest Lecturer (Topic-Food Toxicology), Foundations of Environmental Health (MIEH 600), Graduate Course, University of Maryland Institute of Environmental Health, University of Maryland School of Public Health, College Park, March 3, 2017.

Career Panelist, The 8th Frontiers in Chemistry and Biology Interface Symposium (FCBIS), University of Maryland Baltimore Campus (UMBC), May 16, 2015.

Featured Speaker: Slades Associates Wealth, Wellness and Wisdom Conference, 2013.

Keynote Speaker, Marqueta C. Huyck Lecture Series, Department of Nutrition and Food Science, Wayne State University, Detroit, Michigan. October 11, 2013.

PUBLICATIONS, PUBLISHED ABSTRACTS, AND PRESENTATIONS

Miriam Hagan and **Njwen Anyangwe.** Vitamin content in seaweeds: A systematic review on water-soluble and fat-soluble vitamins for adult daily intake. Functional Food Science, Vol. 3 No. 12 (2023): December 2023

Flannery BM, Turley AE, **Anyangwe N**, Mattia A, Whiteside C, Hermansky S, Schaefer HR, Tyler T, Fitzpatrick SC. Retrospective analysis of dog study data from food and color additive petitions. Regul Toxicol Pharmacol. 2023 Dec;145:105523.

Seneca E. Fitch, Lauren E. Payne, Jennifer L.G. van de Ligt, Candace Doepker, Deepa Handu, Samuel M. Cohen, **Njwen Anyangwe**, Daniele Wikoff. Use of acceptable daily intake (ADI) as a health-based benchmark in nutrition research studies that consider the safety of low-calorie sweeteners (LCS): A systematic map. Published May 20, 2021, BMC Public Health (2021) 21:956.

Anyangwe, Njwen; Fitzpatrick, Suzanne; Flannery, Brenna; Mattia, Antonia; Schaefer, Heather; Tyler, Tina; and Whiteside, Catherine. Use of Dog Studies in FDA's Safety Assessments for Food Additives and Color Additives, ACT 2019, November 17-20, 2019.

Njwen Anyangwe, Premarket Safety Evaluation of Food Additives, International Life Sciences Institute NA – American Association of Clinical Endocrinologists Webinar on Tools and Tactics of Reducing Added Sugars Intake: Guidance for Practitioners with a Focus On Low-Calorie Sweetener Safety and Appropriate Use. October 8, 2019.

Anyangwe, Njwen, Premarket Safety Evaluation of Food Additives: Advantame as a case study, CFSAN Research and Lecture Series, October 2, 2019

Njwen Anyangwe, Premarket Safety Evaluation of Food Additives, International Life Sciences Institute NA – Diabetes Canada Webinar on Tools and Tactics of Reducing Added Sugars Intake: Guidance for Practitioners with a Focus On Low-Calorie Sweetener Safety and Appropriate Use. September 18, 2019.

Anyangwe, Njwen; Fitzpatrick, Suzanne; Flannery, Brenna; Mattia, Antonia; Schaefer, Heather; Tyler, Tina; and Whiteside, Catherine. Use of Dog Studies in FDA's Safety Assessments for Food Additives and Color Additives. Accepted Abstract # 2781, SOT 2019, March 13.

Njwen Anyangwe, Tyler Tina, Catherine Whiteside. Utility of Dog Studies in FDA's Decision-Making on the Safety of Food Ingredients. OFAS Toxicology Meeting. November 19, 2018. (Oral presentation).

Anyangwe, N. Fungwe T. Premarket Evaluation of Food and Color Additives. 14th International Symposium on Environmental Human Research, Jackson State University, Jackson, MS, September 11, 2017 (Oral presentation).

Anyangwe, Njwen. Regulation and Safety Assessment of Dietary Supplements containing new dietary ingredients. OFAS Toxicology Monthly Discussion, November 15, 2016 (Oral presentation).

Heilman J, **Anyangwe N**, Tran N, Edwards J, Beilstein P, López J. Toxicological evaluation of an olive extract, H35: Subchronic toxicity in the rat. Food Chem Toxicol. 2015 Oct;84:18-28.

Anyangwe-Ngute N, Orisakwe OE. Regulation of dietary supplements by the U.S. Food and Drug Administration. Presentation, 2nd West African Society of Toxicology Conference, University of Port Harcourt, Port Harcourt, Nigeria, February 21, 2013.

Anyangwe N, Levy D, Gudi R, Abdel-Rahman A, Enongene E, Fabricant D. Genetic toxicology data play an integral role in the safety assessment of dietary supplements containing new dietary ingredient (s). Poster presentation, Abstract #272, Society of Toxicology 51st Annual Meeting, San Francisco, CA, March 11–15, 2012.

Abdel-Rahman A, **Anyangwe N**, Carlacci L, Casper S, Danam RP, Enongene E, Erives G, Fabricant D, Gudi R, Hilmas CJ, Hines F, Howard P, Levy D, Lin Y, Pfeiler E, Thurmond TS, Turujman S, Walker NJ. The safety and regulation of natural products used as foods and food ingredients. Toxicology Sciences 2011; 123(2):333–348.

Carlacci L, Abdel-Rahman A, **Anyangwe N**, Casper S, Enongene E, Gudi R, Hilmas C, Hines F, Levy DD, Lin Y, Turujman S. Regulatory review of botanical ingredients submitted to FDA in new dietary ingredient notifications. Poster Presentation, AOAC International Meeting, New Orleans, LA, September 18–21, 2011.

Anyangwe N, Gudi R, Fabricant D, Abdel-Rahman A, Enongene E, Levy D. Role of genetic toxicology data in the safety assessment of dietary supplements containing new dietary ingredient (s). Poster presentation, Abstract #29, Genetic Toxicology Association Annual Meeting, September 14, 2011.

Anyangwe N. Assessment of the genetic toxicity potential of new dietary ingredients: Enzymes. Oral presentation, Office of Food Additive Safety and Division of Dietary Supplements Program Enzyme Symposium, January 20, 2011.

Unnikrishnan A, Raffoul JJ, Patel HV, Prychitko TM, **Anyangwe N**, Meira LB, Friedberg EC, Cabelof DC, Heydari AR. Oxidative stress alters base excision repair pathway and increases apoptotic response in apurinic/apyrimidinic endonuclease 1/redox factor-1 haploinsufficient mice. Free Radical Biology and Medicine 2009 Jun 1; 46(11):1488–1499.

Anyangwe N, Van der Voort Van Zyp J, Craig DH, Bassoon MD. Src kinase inhibition may inhibit experimental cancer metastasis (poster of distinction). Digestive Disease Week 2008, San Diego, CA, May 17–22, 2008.

Cabelof DC, Ikeno Y, Nyska A, Busuttil RA, **Anyangwe N**, Vijg J, Matherly LH, Tucker JD, Wilson SH, Richardson A, Heydari AR. Haploinsufficiency in DNA polymerase beta increases cancer risk with age and alters mortality rate. Cancer Research 2006 Aug 1; 66(15):7460–7465.

Anyangwe N, Cabelof DC, Lucente LV, Raffoul JJ, Heydari AR. Role of the tumor suppressor gene p53 in DNA polymerase β-dependent base excision repair pathway: regulation of β-pol expression (poster presentation). *Midwest DNA Repair Symposium 2006*, Indianapolis, IN. *May*

20-21, 2006.

Anyangwe N, Cabelof DC, Van Remmen H, Raffoul JJ, Heydari AR. p53 loss results in accumulation of abasic sites and deregulation of base excision repair in vivo. FASEB 2005; Abstract A1506, 855.5.

Anyangwe N, Cabelof DC, Van Remmen H, Lucente LV, Raffoul JJ, Heydari AR. p53 deficiency results in abasic site accumulation and down regulation of base excision repair in vivo (oral presentation). *Midwest DNA Repair Symposium 2005*, Detroit, MI. *May 21-22, 2005*.

OTHER ACTIVITIES

- Member of the Mentoring Committee, Toxicologists of African Origin (TAO), Society of Toxicologists (SOT), 2018 - present.
- Newsletter Editor, SOT-TAO, 2019 to 2022
- Board of Trustee, Toxicology Education Foundation, 2020 to present.
- Secretary / Treasurer SOT-TAO, 2022 to present.
- President, CCASTERIANS 87, 2022 to present.
- Keynote speaker, moderator, panelist at various career, health-related and alumni conferences.
- Board of Trustees, Toxicology Education Foundation
- President, CCAST BAMBILI Class of 85-87 (CASTERIANS 87), 2022 - Present

PROFESSIONAL AFFILIATIONS

- African Society for Toxicological Sciences (Member, Newsletter Editor, Mentoring Committee)
- American Cancer Society (Certified Health Promotion Instructor)
- American Society for Nutrition (Member)
- Association for Women in Science (Member)
- Food and Drug Law Institute (Member)
- Genetic Toxicology Association (Member)
- Society of Toxicology (Member)