

**Contact Information:**

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USA.

Educational Background:

Ph.D. (Human Nutrition): University of Cambridge, UK, 1992

M.Sc. (Biochemistry): University of London, UK. 1984;

B.Sc. (Chemistry): University of Tripoli, Libya, 1982;

Scientific Professional Background:

- USA FDA Commissioner's Fellow 2008 –Present
One of fifty FDA Commissioner's inaugural class fellows selected from a total of over one thousand applicants. Current projects include studies of Parkinson's disease and other research at the FDA's National Center for Toxicological Research (NCTR) in Arkansas.
- Assistant Professor, University of Colorado Health Sciences Center, Denver, Colorado, 1995-2005.
Research focus was on macronutrient utilization in humans and estimations of energy balance using stable isotopes of ^{13}C , ^2H and ^{18}O .
- Research Scientist, British Medical Research Council (MRC), Gambia, 1991 – 1995.
Research was directed at trying to understand the relationship between health status and under-nutrition in a subsistence farming community.

Research Interests:

- Metabolomics, particularly as it relates to Energy Metabolism and Drug Toxicology in humans and animals. This includes research in obesity, especially in the areas of macronutrient and energy balance mechanisms.
- To learn novel metabolic flux methods such as those developed at SiDMAP Technologies that can enhance health research.
- To use these new technologies and other non-invasive methods to address critical physiological questions relating to FDA regulatory activities, and to identify biomarkers in human and animal disease and non-disease states.