

Biographical Sketch

Hakima Amri is Professor of Biochemistry and Physiology at Georgetown University in the Department of Biochemistry and Cellular and Molecular Biology.

As the co-founder of the Integrative Medicine educational initiative at Georgetown University School of Medicine, Dr. Amri has led the Complementary and Alternative Medicine graduate program since its launch in 2003, and is serving as the Director of the Master's of Science Program since. She is the founder of the Mini-Medical School Special Series in Complementary and Integrative Medicine that she launched in 1999 and offered to the general public at the Georgetown Medical Center for eight consecutive years.

She completed her undergraduate education in Developmental Biology at the University of Constantine, Algeria and her graduate studies at Pierre and Marie Curie University, in Paris, France. There, she earned a Master's of Science degree in Reproductive Biology and a Ph.D. in Steroid Biochemistry. She then moved to the United States, where she joined the Georgetown University Faculty.



Dr. Amri's research focuses on integrating evidence-based Complementary and Integrative Medicine and biomedical research. She is investigating the effects and molecular mechanisms of herbal products on prostate and breast cancer, in a mouse model, and the mechanisms underlying the effects of acupuncture in reducing stress in the rat model. Her clinical research is centered on the use of fMRI to study the neuronal and physiological correlates of massage and acupuncture. Dr. Amri was among the first three faculty members who pursued a training in Mind-Body Medicine (MBM) and taught those skills to medical and graduate students. She conducted research in this field to assess the effect of MBM Skills on academic stress reduction in medical students. She also developed research protocols to investigate the mechanisms of meditation on acute and chronically stressed subjects using fMRI and biochemical testing.

Her other line of research in systems medicine, cancer biomarkers and bio-signature identification is enhanced by the novel analytical approach she recently developed in collaboration with her colleagues at the National Institutes of Health. She is using this novel method to translate cancer omics, from genomics, proteomics and metabolomics high throughput data, into molecular signatures that are then presented in a multidimensional and dynamic model best suited for precision medicine. Dr. Amri is currently working on translating *Phylomics*[®] (<http://phylomics.com>) into a cost effective and noninvasive diagnostic tool. Her work is supported by a recently granted patent by the United States Patents Office.

Dr. Amri has taught a significant number of students in classroom and laboratory settings, spanning undergraduate, graduate, doctoral, and post-doctoral levels. She received funding from both government and private sectors. Her scholarly activities are marked by her published work in peer-reviewed journals, presentations at national and international conferences, and authorship of a book, several book chapters, and reviews.