



## **2023 Election for Board Director**

### **Candidate**

Chunhua Weng

### **Professional Title And Affiliation**

Professor, Columbia University

### **Personal Statement**

As a long AMIA member, I appreciate this opportunity to serve the large AMIA community at the board level and to contribute to the important decision making processes.

### **Bio**

Dr. Chunhua Weng is a Professor of Biomedical Informatics at Columbia University and an elected fellow of American College of Medical Informatics (ACMI) and International Academy of Health Sciences Informatics (IAHSI). She has been co-leading the Biomedical Informatics Resource for the Columbia CTSA (The Irving Institute for Clinical and Translational Science) since 2011. She is also an Associate Editor for Journal of Biomedical Informatics. Dr. Weng holds a Ph.D. in Biomedical and Health Informatics from University of Washington at Seattle. Dr. Weng's long-term goal is to improve the rigor, efficiency, patient centeredness, and generalizability of clinical research by developing novel informatics and data science methods to address stakeholder needs throughout the life cycle of clinical evidence, from evidence generation to evidence retrieval, appraisal, synthesis and dissemination. As an active researcher in the field of Clinical Research Informatics since 2000, Dr. Weng has published extensively on data-driven optimization of clinical trial eligibility criteria, deep phenotyping for genetic disorders, EHR data quality assessment and data analytics, and text knowledge engineering using a variety of text (e.g., EHR narratives, PubMed abstracts and clinical trial summaries).

### **Leadership Skills**

I have been managing a vibrant research lab of about 15 trainees at anytime and am serving on various committees at the local and national levels. My leadership skills include innovation, critical thinking, team member motivation and team building, relationship building, leading with values, empathy, and negotiation.

### **Reputation for Excellence (in informatics)**

I have been an active informatics researcher and am known for my informatics research leadership. I am an elected ACMI member and an elected IAHSI member. I aspire to mentor and inspire many young female informaticians and help them a bit in their informatics journeys.

### **Perspective Add**

I would like to bring to the table perspectives of a female informatics scientist/mentor, a middle-career faculty member, a seasoned informatics innovator, and a person who loves to think out of the box. I would love to contribute ideas for tackling difficult problems facing the informatics field, improving synergies and forge collaborations among related informatics organizations, or suggestions to better expand AMIA membership or engage the AMIA member communities toward great impact of AMIA.

### **Team Player**

I have a lot of multidisciplinary collaborators in my own institution and in the field. As a team player, I respect diverse team members, listen humbly, and do my best to harmonize diverse perspectives towards optimal strategies. I am a diligent student and am always willing to learn new things that are needed for collaborations.

### **AMIA Engagement and Participation**

AMIA member: 20+ years

AMIA Student Paper Panel Judge

AMIA Doctoral Dissertation Award Committee Member/Chair

AMIA Clinical Research Informatics WG Member/Chair

AMIA Clinical Research Informatics Summits Chair

### **Informatics Interests**

Knowledge Representation; Natural Language Processing; Ontologies; Research