

Huân Ngô

Scientist, Educator

Aiming to (1) contribute to human clinical studies and (2) reduce brain parasitism and correlating neurological diseases by finding cures and public engagement.



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Work Experience

07/2011 - Present

New Haven, USA

Principal BrainMicro LLC

Tasks/Achievements

- Learned and applied neurobiology, structural and systems biology to design and manage 8 international research projects.

09/2007 - 06/2011

Chicago, USA

Research Assistant Professor Northwestern Medical School, Pharmacology Center for Structural Genomics of Infectious Disease

Tasks/Achievements

- Created an international program of >40 research laboratories to solve crystallographic protein structure and function of the brain parasite Toxoplasma, added 25% to the total protein database.

09/2002 - 06/2006

New Haven, USA

Science Teacher and Leader Sheridan Middle School

Tasks/Achievements

- Created a model science program (NASA Explorer School) by forming partnerships with local, state and national stakeholders.

09/1996 - 06/2001

New Haven, USA

Postdoctoral & Associate Research Scientist Yale Medical School, Infectious Diseases

Tasks/Achievements

- Co-discovery of RNA interference in African trypanosomes in the year of similar discovery in worms; the latter received the 2006 Nobel prize. Novel research in organelle biogenesis of the brain parasite Toxoplasma, resulted in 11 publications.

Education

01/2014 - Present

New Haven, USA

Non-Degree Education Audit (Yale University) and On-Line Education

Specialties

- Social Media Analytics
- Environmental Science

01/1990 - 12/1995

Chicago, USA

Doctorate of Science University of Illinois at Chicago

Specialties

- Cellular & Molecular Biology
- STEM Education Reform

09/1987 - 12/1989

Knoxville, USA

Master of Science University of Tennessee

Specialties

- Botany
- Electron Microscopy

09/1982 - 06/1986

Minneapolis, USA

Bachelor of Arts University of Minnesota

Specialties

- Microbiology
- Human Physiology

Skills & Competences

Breadth in biological sciences



Range of teaching levels



Thinking through first principles



Goal oriented



Future focused



Critical thinking



Resiliency



Leadership



Creativity



Verbal communication



Written communication



Program development and management



Time management



Clinical patient care



Awards

Grants for re-entry of biomedical research (2007-2010)

NASA Teaching in Space Award, Johnson Space Center (2005)
Competed nationally for a live downlink from the International Space Station for astronauts in orbit to talk with our local urban students

Bayer Science Forum Excellence in Teaching Award (2004)

NASA Explorer School Award (2003-2006)
Designed concept and led a team of teachers, parents, administrators, city and state partnerships to obtain the NES award for Connecticut

President's Student Leadership and Service Recognition Award, University of Minnesota (1986)
Early recognition of leadership at a large university

Languages

English
Native or Bilingual

Viêtnamese
Upper-intermediate

Interests

Biomedical, Biological & Environmental Sciences | Teaching |
Community Building | Drug Discovery | Biotech Entrepreneur |