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Depts. of Biological Sciences & Public Administration
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EDUCATION

Ph.D. in Plant Breeding (Minors: Human Nutrition and Seed Physiology) 2002
Cornell University, Ithaca, New York

B.A. in Biological Sciences 1995
Smith College, Northampton, Massachusetts

PROFESSIONAL EXPERIENCE

Science Policy

Visiting Assistant Research Professor, Sept 2007 – present

Depts. of Biological Sciences & Public Administration, University of Illinois - Chicago

- Provides expertise for USDA/Foreign Agricultural Service on genetic resources policy on Access and Benefit Sharing (ABS) for negotiations in international fora
- Moderates workshops informing foreign emerging market Ministries of Agriculture on potential implications of an international ABS regime on food and agriculture
- Develops guidance on strategy and policy positions on ABS in consultation with other U.S. government agencies within USDA and the Department of State.
- Coordinated outreach with >200 private & public sector food/agriculture experts to raise stakeholder awareness of ABS issues in international fora
- Invited to serve on US Delegations to:
 - International Treaty on Plant Genetic Resources for Food and Agriculture Governing Body meeting, Tunis, Tunisia June 1-5, 2009
 - 12th Meeting of the FAO Commission on Genetic Resources for Food and Agriculture, Rome, Italy, Oct 19 – 23, 2009
 - Convention on Biological Diversity ABS Working Group meeting, Montreal, Canada, Nov 9 – 15, 2009

Science and Technology Policy Fellow, Diplomacy Program Sept. 2006 – Aug 2007

American Association for the Advancement of Science,

Foreign Agricultural Service, US Department of Agriculture, Washington, DC

- Drafted Division’s crisis management manual: a strategy to address food safety & plant health crises affecting international trade of US plants and plant products
- Coordinated US Government information sharing with trading partners on food safety issues affecting US exports of fruits and vegetables in collaboration with federal regulatory agencies and US industry
- Awarded detail to serve as Science Advisor at US Mission to the UN Food and Agriculture Organization (2 months)
 - Examined and analyzed the relevance of ABS issues to FAS.
 - Coordinated initiation of joint plant health capacity building project in E. Africa

Consultant, June-October 2002

International Food Policy Research Institute, Washington, D.C.

- Analyzed results of survey using Q methodology on the linkages between agriculture and nutrition research, policy, and programs in the Global South

Research

Senior Scholar, Fulbright Program, Dakar, Senegal August 2005 – August 2006

- Conducted collaborative pilot research on food production, child health, and child cognitive development in Senegal with non-governmental development organizations
- Developed protocol to evaluate food supplementation program for school-age children

Postdoctoral Fellow, University of California – Los Angeles, November 2002 – July 2005

Department of Community Health Sciences, School of Public Health

- Statistically analyzed clinical, dietary, and household socioeconomic data for studies on child nutrition in Kenyan toddlers and nightblindness in Iranian school children
- Drafted policy briefs for US Agency for International Development to inform the development of key indicators for use in evaluating child survival programs

Micronutrients Project Pre-Doctoral Fellow, 1999-2000; 2001

International Maize and Wheat Improvement Center (CIMMYT) – Zimbabwe

- Hired, trained and supervised survey-takers for dietary and household assessments
- Collaborated on maize research to improve nutritional quality for human consumption

SELECTED RESEARCH GRANTS & AWARDS

USDA Foreign Agricultural Service, Emerging Markets Program, July 2009 – Jan 2010

USDA Foreign Agricultural Service, Science Policy Advisor, Oct 2007 – March 2009

Embassy Science Fellow, US UN Mission/Rome, June – Aug 2007

Science and Technology Policy Fellow, AAAS, Washington, DC, 2006 – 2007

Fulbright Senior Scholar, Dakar, Senegal, 2005 - 2006

USDA National Research Initiative Postdoctoral Fellowship, Ranked 9/112, 2003 - 2005

Foreign Language and Area Studies Fellowship - Bengali, US Dept. of Education, 2001-2002

Institute for African Development, Cornell University, 2001

Summer Institute in Statistical Genetics, NC State University - Raleigh, June 2001

Program in International Nutrition Research Grant, Cornell University, 1998

Food Systems for Improved Health fellowship, CIIFAD Institute at Cornell University, 1998

Affinito-Stewart Award, President's Council of Cornell Women, Cornell University, 1998

TEACHING EXPERIENCE

Department of Community Health Sciences, UCLA Los Angeles, CA

Guest lecturer, course in Nutritional Assessment, 2004

“Food Systems Approach to Improved Nutrition: The Role of Agriculture”

Covered both domestic US and international food systems and impacts on nutrition.

Department of Neurobiology and Behavior, Cornell University Ithaca, NY

Laboratory Instructor, Introductory Biology Laboratory, 1997-1999; 2000-2001 (6 semesters)

Taught students principles of scientific inquiry and research study design in the biological sciences covering topics including immunology, biomechanics and plant biochemistry.

Department of Plant Breeding, Cornell University Ithaca, NY

Teaching Assistant/Laboratory Instructor, Plant Genetics Laboratory, 1996-1997 (2 semesters)

Composed lectures and demonstrated laboratory techniques on material ranging from Mendelian genetics to plant biotechnology.

SELECTED PUBLICATIONS & PRESENTATIONS

Harkness, S., Super, C. M., Barry, O., Zeitlin, M., Long, J. (2009, in press). Assessing the environment of children's learning: The developmental niche in Africa. In E. Grigorenko (Ed.), *Assessment of abilities and competencies in the era of globalization*. New York: Springer.

Long, J. & Blackburn H. 2009. "The Relationship Between Conservation Policy and Aquatic Genetic Resources." *In Cryopreservation of Aquatic Animal Germplasm*, edited by World Aquaculture Society. *In Press*

Contributing Author to: International Assessment of Agricultural Science and Technology for Development: Global Assessment. 2007. (IAASTD Secretariat housed at the World Bank, UNEP, UNESCO & FAO).

Long, J., Gewa, C., Bwibo, N., Allen, L., Murphy, S., Neumann, C. 2005. Anemia in rural Kenyan children: Role of malaria, infection, and poor diet quality and meat intake. Global Livestock CRSP Research Brief 05-01-CNP. Davis, CA.

Long, J., Bänziger, M., Smith, M. 2004. Diallel analysis of grain iron and zinc density in southern African-adapted maize inbreds. *Crop Science* 44:2019-2026.

Levin, C., Long, J., Simler, K., Johnson-Welch, C. 2003. Cultivating nutrition: A Survey of Viewpoints on Integrating Agriculture and Nutrition. Discussion Paper No. 154. Food Consumption and Nutrition Division of the International Food Policy Research Institute. Washington, D.C.

Long, J., Ortiz-Monasterio, I., & Banziger, M. 2001. Improving the nutritional quality of maize and wheat for human consumption. *In: Impacts of Agriculture on Human Health and Nutrition*, edited by Cakmak, I., Welch, R.M., in *Encyclopedia of Life Support Systems (EOLSS)*, Developed under the auspices of UNESCO, Eolss Publishers, Oxford, UK, [<http://www.eolss.net>]

Bänziger, M. & Long, J. 2000. The potential for increasing iron and zinc density of maize through plant breeding. *Food and Nutrition Bulletin* 21:4 397-400.

Long, J. Use and exchange of genetic resources for food and agriculture. Oral presentation. USDA/ARS Plant Germplasm Operations Committee meeting. 4 June 2008. Fort Collins, CO.

Long, J and Tabor, P. Genetic resources international policy landscape for US food and agriculture. Oral presentation. USDA Foreign Agricultural Service Senior Staff Briefing. 11 Jan 2008. Washington, DC.

Long, J. Food safety issues and international trade. Oral presentation. California Specialty Crops Council International Issues Workshop. 31 May 2007. San Francisco, C.A.

G. Harrison, F. Siassi, M. Jalali, and J. Long. Self-reporting of nightblindness symptoms by Iranian school children. Poster Presentation. FASEB. 2-6 April 2005. San Diego, C.A.

Long, J. & M. Bänziger. 1999. The potential for increasing iron and zinc density of maize through plant breeding. Invited speaker for expert symposium. International Rice Research Institute. 5-7 October 1999. Los Baños, Philippines.

COMMUNITY SERVICE

Telluride Association, Board of Trustees, not-for-profit educational organization (2002-present)

- Investment Management Board: Actively managed \$40 million endowment portfolio
- Overseas Student Exchange Committee (Chair, 2007-08): Developed graduate student exchange program between University of Michigan, Cornell University, University of Cape Town in South Africa, & Central European University in Hungary
- Spending Policy Working Group 2009-10: Tasked to develop long-term institutional spending policy in concert with revised endowment management guidelines
- Chaired 2009 annual evaluation team for organization's flagship academic programs for high school students

UCLA Society for Postdoctoral Scholars, Chair 2004-2005

- Represented postdoctoral fellows to UCLA Advisory Council on Postdoctoral Issues

AAAS Science and Technology Policy Fellowships 2007 – present

- Peer reviewer for 2008-09 and 2009-10 AAAS S&T Policy Fellowship classes