



# American Society of Plant Biologists

*Cultivating a better future through plant biology research*

## **Jonathan Lynch Ph.D.**

Professor of Plant Nutrition  
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## **Education**

1987 Ph.D. University of California, Davis (Plant Physiology)  
1982 M.Sc. University of California, Davis (Plant Physiology)  
1980 B.Sc. University of California, Berkeley (Soils and Plant Nutrition)

## **Research Interests**

My research focuses on understanding the basis of plant adaptation to drought and low soil fertility. This encompasses physiology, genetics, and ecology, centered on organismic processes. Most of our current work focuses on understanding root traits that can be used to breed crops with better acquisition of phosphorus, nitrogen, and water.

## **Appointments**

2012-present Guest Researcher, Forshungszentrum Jülich, Germany  
1991-present Asst./Assoc./ Full Professor, Penn State University  
1988-1991 Senior Staff, CIAT, Colombia  
1984-1987 Postgraduate Researcher, University of California, Davis

## **Honors and Awards**

Alex and Jessie C. Black Award for Excellence in Agricultural Research, 2005  
Howard P Taylor lectureship in root biology research, 2005  
Fellow, Crop Science Society of America, 2004  
China Friendship Award, the highest recognition awarded foreigners by the government of China, received from Premier Zhu Rongji, Beijing 1999.  
Excellent Educational Work Prize, Guangdong Province, China, 1996  
Distinguished Professor, Mexican Academy of Sciences, 2005

## **Current NSF Funding**

BREAD: Improving Water Acquisition in Maize with Root Traits that Reduce the Metabolic Cost of Soil Exploration. Principal Investigator: **Jonathan Lynch**, Pennsylvania State University; Co-Principal Investigators: George Kanyama-Phiri, Kathleen Brown, and Shawn Kaepler; Award Number:0965380; Award Date:04/01/2010