



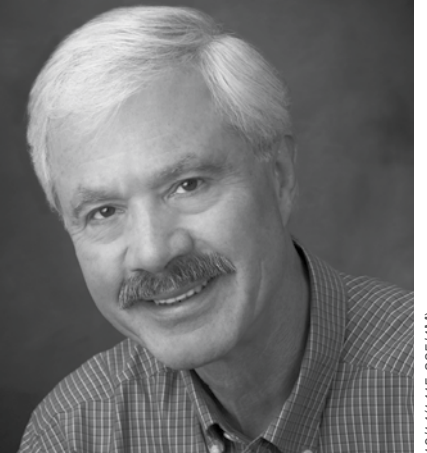
# “ AGRICULTURE, POPULATION GROWTH AND THE CHALLENGE OF CLIMATE CHANGE ”

The invention of agriculture enabled the human population to expand from 10 million to 7 billion. Historically, crop yields have kept up with population growth by farmland expansion and by agricultural advances, but further population growth to the predicted 10 billion by 2050 cannot be sustained at the current level of productivity, a problem made worse by climate change. Integrated approaches will be needed to meet these challenges.

## LINCOLN TAIZ

UC SANTA CRUZ  
PROFESSOR EMERITUS OF  
MOLECULAR, CELL AND  
DEVELOPMENTAL BIOLOGY

Taiz is known for his work on plant cell walls, cell expansion, and enzymes called vacuolar ATPases that transport protons across membranes in plant cells. His textbook *Plant Physiology*, coauthored by Eduardo Zeiger, serves as the authoritative text for students entering the plant biology community.



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UC SANTA CRUZ EMERITI GROUP PRESENTS  
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**WEDS., NOVEMBER 19, 7 PM**

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