

The world is changing. The human population is expected to reach ten billion by 2050. At the same time, global climate change is posing challenges to food production. What will the future look like? How will we feed everyone while improving living standards?

Join us for the CAFÉ event series, where we tackle these issues. We will consider the extent of the problem and potential solutions.

Come to learn and discuss how all of us can contribute to a brighter future.



What is CAFÉ?

Our world-class faculty, students and staff are committed to using our expertise for UCR's knowledge-based research, teaching, and outreach activities related to food and agriculture.

CAFÉ builds on UCR's unique history and strengths in interdisciplinary research, facilities and outreach to positively impact the science, policies and practices related to the critical role of food and agriculture to human health and well-being.

Learn more at our website:

cafe.ucr.edu



Global Food Initiative
UNIVERSITY OF CALIFORNIA



California
Food and Agriculture
Enterprise
Event Series



April 2019

Lecture by Greg Pennyroyal



Greg Pennyroyal is Vineyard Manager at Wilson Creek Winery and Vineyards and Professor of Viticulture at Mt. San Jacinto College in Temecula, CA. He has 25 years of experience in a wide range of fields, including

agricultural production, medicinal plant production, and genomics in traditional medicine. He is interested in bringing the benefits of traditional food, medicine and agriculture to modern society.

May 2019

Hemp summit—by invitation only

Hemp is different from cannabis in its purpose, cultivation and utilization. The reintroduction of industrial hemp on American soil has brought excitement for its potential innovations in commodities, medicinal benefits, and agricultural practices. In recent years there has been a wide array of research done to seek innovative solutions from agriculture to technology. Research has shown hemp could replace synthetic fibers for its durability in plastic, paper, clothing, cotton, and industrial building materials but can also be used to regenerate the soil, bioremediate soil contaminants, green pesticide and more. The all-day summit will include panels discussion and focus on the following topics important to cultivating hemp in California: 1) Field and lab sampling and testing, 2) Pollen drift and coexistence of seed, oil, and fiber varieties, 3) Pest management, 4) Latest policy information and 5) Extraction and processing.

May 2019

Alternative protein panel

As living standards have improved, people consume more and more animal protein. Protein works both as fuel and as a building block for human bodies. It keeps our muscles healthy and strong, our brain functioning, and keeps excess body fat off. Since protein is now a more highly sought out macronutrient, there is an increasing demand for it worldwide. However, this has major consequences for the environment. If we are to feed everyone with healthy and nutritious diets, we will need to ensure sustainable sources of protein. Fortunately, solutions are just around the corner. Our panelists will speak about using insects, fungi, plants, and cell cultures to reliably and sustainably feed a burgeoning population.



June 2019

Regenerative agriculture panel

The loss of the world's fertile soil and biodiversity, pose a mortal threat to our future survival. According to soil scientists, within 50 years we will not only suffer serious damage to public health due to a degraded food supply, but we will literally no longer have enough arable topsoil to feed ourselves. Without protecting and regenerating the soil on our 4 billion acres of cultivated farmland, 8 billion acres of pastureland, and 10 billion acres of forest land, it will be impossible to feed the world, keep global warming below 2 degrees Celsius, or halt the loss of biodiversity.



September 2019

Innovation, Equity, Social Justice

As the world population continues to grow there is a need for more effective and efficient means of growing and distributing food. This spurs innovation, skyrocketing production for some while demanding more technical and skilled farmwork of others. Is there a way to balance new age technology with generational knowledge? As technology and industry create more



food and fewer jobs how can we ensure equity and social justice within the system? Can we drive innovation to promote equity in agriculture and at the same time?

September 2019

Population panel

On our current trajectory, the world population will reach 10 billion by 2050! In a world already with too many suffering from food insecurity, poverty, and economic inequality, more people means fewer resources per person. Join us for a respectful panel discussion about how to improve living standards for everyone with minimal environmental impact. We will dive deeply into the potential solutions associated with cumulative impact of global population size versus per-person environmental impact, including increasing education rates, access to birth control, and getting policy and individual decisions made with real and relevant data.

