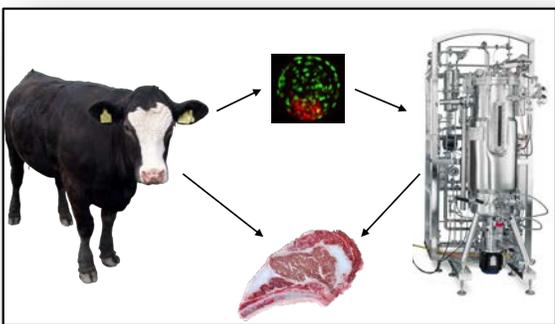


Virtual Department Seminar Series

UC DAVIS
FOOD SCIENCE AND
TECHNOLOGY

A Consortium-Based Approach to Overcoming Commercialization Hurdles for Cultivated Meat



Dr. David E. Block

Professor and Chair

Department of Viticulture and Enology
University of California Davis

4:10 PM PST, Wednesday January 12, 2022

Join URL: <https://ucdavis.zoom.us/j/93150248801>

BIO: Professor Block is Marvin Sands Department Chair in Viticulture and Enology at UC Davis and holds the Ernest Gallo Endowed Chair. Recently, his research has focused on computational fluid dynamics models for red wine fermentations and process optimization for cultivated meat production. Prof. Block has received the Distinguished Teaching Award from the UC Davis Academic Senate, the highest teaching award given for teaching alone on the UC Davis campus. Prior to joining UC Davis, he worked for Hoffmann-La Roche, Inc. working on biopharmaceuticals, both in process development and in manufacturing. Dr. Block was recently elected an AIChE Fellow and leads the UC Davis Cultivated Meat Consortium, founded in October of 2019. David holds a B.S.E. from the University of Pennsylvania and a Ph.D. from the University of Minnesota, both in Chemical Engineering.

SUMMARY: I will discuss the concept of cultivated meat and cellular agriculture, along with the formation of the UC Davis Cultivated Meat Consortium to overcome the major obstacles delaying its commercialization. After, I will focus on recent work in my laboratory developing and evaluating efficient experimental optimization methods using artificial intelligence and advanced optimization algorithms. These methods are necessary to develop the inexpensive, plant-based growth media for animal cells critical to bringing products to market.