

## GUEST SPEAKER HENRY DANIELL, PH.D.



Dr. Henry Daniell is renowned for his pioneering research into producing low-cost vaccines and medications through the use of genetically engineered plants. He has worked to create vaccines and treatments for diseases such as diabetes, hemophilia, polio, malaria, cholera and plague.

"My dream is to eradicate the world's top 10 diseases," Dr. Daniell says. "I've dedicated most of my academic life to this area of research because I want to make people's lives better."

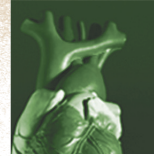
Dr. Daniell's research has been featured on the cover of several high-impact scientific journals, including *Proceedings of the National Academy of Sciences*, *Nature Biotechnology*, *The Plant Cell* and *Plant Physiology*. *Nature Biotechnology* journal ranked his work among the top 10 inventions arising from publications in that journal over a decade. Dr. Daniell is among BioMed Central's Hot 100 authors in the world. He has more than thirty patents awarded globally and a hundred published patents. His publications have been cited more than 5,000 times in scientific journals and more than 8,000 times in Google Scholar.

This year, Dr. Daniell landed \$5.5 million in National Institutes of Health grants to use genetically modified plants to help treat hemophilia. He is one of only five scientists and clinicians worldwide to earn a Special Project Award from one of the world's largest funders of hemophilia research, Bayer Healthcare of Germany. He is also conducting similar research on a polio vaccine funded by the Bill and Melinda Gates Foundation and on diabetes research funded by the Juvenile Diabetes Research Foundation.

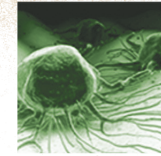
A consultant to the United Nations, Dr. Daniell has been featured often in the public press, including the Discovery Channel, Voice of America, CNN, NBC, ABC, CBS, BBC, *The New York Times* and *Scientific American*. He is only the 14th American in the last 240 years to be elected to the Italian National Academy of Sciences and is also a fellow of the American Association for the Advancement of Sciences.

Dr. Daniell, a faculty member of the College of Medicine's Burnett School of Biomedical Sciences, is a Pegasus Professor and Trustee Chair award winner.

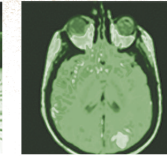
CARDIOVASCULAR  
DISEASES



CANCER



NEURODEGENERATIVE  
DISEASES



INFECTIOUS  
DISEASES



## LUMINARY SERIES

Burnett School of Biomedical Sciences | College of Medicine



DR. HENRY DANIELL  
*presents*

## GREEN THERAPY: TREATING DIABETES, HEMOPHILIA and POLIO WITH PLANT VACCINES

PRESENTED BY



DR. HENRY DANIELL  
*presents*  
**GREEN THERAPY:  
TREATING DIABETES, HEMOPHILIA  
and POLIO WITH PLANT VACCINES**

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**DR. HENRY DANIELL'S DREAM IS AS CLEAR AS IT IS AMBITIOUS:**  
Cure the world's top 10 diseases through the use of genetically engineered plants.

Although the idea of treating diabetes with engineered lettuce may sound strange, Dr. Daniell—nicknamed “The Green Giant”—is doing just that. He is currently examining how plants can cure diseases ranging from diabetes to cholera, hemophilia to malaria. Such vaccines and medications would not only treat millions of people across the world, but they would also produce treatments that cost just pennies—and would be needle-free. During this Luminary Series lecture, Dr. Daniell explains his research into the disease-fighting advantages of “going green.”

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**WEDNESDAY, NOVEMBER 16, 2011**

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**5:30 p.m.  
HORS D'OEUVRES AND COCKTAILS**

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**6:30 p.m.  
WELCOME**

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**SPEAKER**

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**7:30 P.M.  
CLOSING REMARKS**

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**RSVP BY NOVEMBER 10**  
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