



HENRY DANIELL, Ph.D.

Dr. Henry Daniell is a professor in the Department of Molecular Biology & Microbiology, at the College of Medicine, University of Central Florida. He is an elected Fellow of the American Association for the Advancement of Science and the first University Board of Trustee Chair in Life Sciences at UCF. He is a member of the Italian Academy of Sciences (15th American citizen to be elected in the 222-year history of this academy). Dr. Daniell also won Pegasus Professor Award, UCF's top honor and American Diabetes Association Award for his outstanding contributions.

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Dr. Daniell is recognized for pioneering chloroplast genetic engineering as a new platform to produce low cost vaccines and biopharmaceuticals and replace the expensive fermentation based technologies currently in use. He developed and advanced this concept to create vaccines against biothreat agents anthrax and plague or several top infectious diseases identified by the World Health Organization and Centers for Disease Control. Oral delivery of chloroplast-derived proinsulin proved to be a powerful tool to prevent the onset of type 1 diabetes. He has more than two hundred publications in scientific journals, cited over 3000 times in scientific journals or over 6000 times in the Google Scholar. His research has been featured on the cover of several high impact scientific journals, ranked by Nature Biotechnology among top ten inventions of this decade and among Biomed Central's Hot 100 authors in the world. His research has been funded by several federal agencies including NIH and he has been a member of UCF Millionaire's (sponsored research) club for many years.

His research led to the formation of UCF's first biotechnology company for commercial development of his patented technology. He has 25 globally awarded patents and more than hundred in prosecution. He has served as a consultant to the United Nations, several NIH or National Academy of Science panels and senior editor of scientific journals. His research has been featured often in the public press including Discovery Channel, Voice of America, CNN, NBC, ABC, CBS, BBC, other global networks, Paul Harvey, Jay Leno, New York Times, The Orlando Sentinel and Scientific American. For more details on his research visit <http://daniell.ucf.edu>.