



GREGORY STEPHANOPOULOS

Short Biography

Greg Stephanopoulos is the W.H. Dow Professor of Chemical Engineering and Biotechnology at MIT, and Taplin Professor of HST (2001-) and Instructor of Bioengineering at Harvard Medical School (1997-). He received his BS from the National Technical University of Athens, MS degree from the U. of Florida and PhD from the U. of Minnesota, all in Chemical Engineering. He taught at Caltech between 1978-85, after which he was appointed Professor of ChE at MIT. His current research focuses on *metabolic engineering*, the engineering of microbes for the production of fuels and chemicals. He has co-authored or –edited 5 books, more than 380 papers and 50 patents and supervised more than 110 graduate and post-doctoral students. He is presently the editor-in-chief of *Metabolic Engineering* and *Current Opinion in Biotechnology* and serves on the Editorial Boards of 10 scientific journals and the Advisory Boards of 5 ChE departments. For his research and educational contributions, Prof. Stephanopoulos has been recognized with numerous awards, such as: Dreyfus award, Excellence in Teaching Award-Caltech, AIChE Technical Achievement Award, PYI from NSF, AIChE-FPBE Division Award, M.J. Johnson Award of ACS, Merck Award in Metabolic Engineering, the R.H. Wilhelm Award in Chemical Reaction Engineering of AIChE, Amgen Award in Biochemical Engineering. In 2003 he was elected to the National Academy of Engineering (NAE) and in 2005 he was awarded an honorary doctorate degree (*doctor technices honoris causa*) by the Technical University of Denmark. In 2007 he won the C. Thom Award from SIM and the Founders Award from AIChE and in 2010 the ACS E. V. Murphree Award in Industrial and Engineering Chemistry and the George Washington Carver Award of BIO. In 2011 he was selected as the Eni Prize winner for Renewable and non-Conventional Energy and was also elected as Corresponding Member of the Academy of Athens. He was the 2014 recipient of the 2014 Walker award from AIChE. Professor Stephanopoulos has served the professional organization of Chemical Engineers as chairman of Division 15, member of the Board of Directors and Chairman of the AIChE Society for Biological Engineering. In 2014, he was elected as 2016 President of AIChE.

Professor Stephanopoulos has taught undergraduate and graduate courses of the core of Chemical Engineering and Biotechnology at Caltech and MIT and co-authored the first textbook on *Metabolic Engineering*. He is presently directing a research group of approximately 25 researchers who work on applications of metabolic engineering for the production of fuels and chemicals.