

## Philip Gibson, Ph.D.

Philip G. Gibson, Ph.D., is the Director of the Georgia BioScience Training Center for Georgia Quick Start. The training center is designed to train employees in life science industries. It is a state-of-the-art training center capable of delivering biomanufacturing training on large scale equipment typical to the biomanufacturing industry. Additionally, quality laboratory, quality assurance, warehousing, and maintenance training are all delivered at the center. The center utilizes wireless and paperless-based instruction with hands-on focused curriculum.



Dr. Gibson was an instructor at Gwinnett Technical College from 1989 to 2014. He taught a wide range of topics including; biochemistry, nucleic acids, proteins, laboratory methods, instrumental methods of analysis, laboratory safety, biotechnology seminar, and regulatory compliance. Students relied upon Dr. Gibson for advisement, career counseling and job placement.

Dr. Gibson worked collaboratively through Gwinnett Technical College and Athens Technical College to develop educational opportunities for students interested in science and math-based careers. A 1.99 million dollar Community-Based Job Training Grant (CBJTG) from the US Department of Labor awarded in December of 2006 funded several initiatives relating to bioscience. The Bioscience Program at Gwinnett Technical College was created through the CBJTG. This program was developed and grew under Dr. Gibson's direction. During this period, the State of Georgia developed regional, industry-focused grants which included math and science educational initiatives. Dr. Gibson participated in the delivery of teacher training and development of curriculum under portions of 0.9 million dollars in State grant funding.

Bio-Link is the Next Generation National Advanced Technological Education (ATE) Center of Excellence for Biotechnology and Life Sciences. Dr. Gibson has worked on numerous projects in collaboration with Bio-Link. He served as a charter member of Bio-Link's Bridge-to-Bioscience program, which now is being piloted in Haiti under a Dr. Gibson's direction. Three cohorts of contextual learning bioinformatics instructors developed through a problem-based learning NSF grant were led by Dr. Gibson. He collaborated on another NSF grant for Genomics in Bioscience through Cold Spring Harbor Laboratory in New York where Dr. Gibson served as the Georgia site director.

Educational research and development have been an integral part of Dr. Gibson's career from the beginning. He has authored over 40 new courses, integrated science into technical education, and presented over 25 lectures at educational conferences throughout the US, Turkey, Germany, and England. He has served as a director, division administrator, system-wide curriculum chair, Commission on Colleges visiting team and developed over 18 online courses. His web-based instructional materials accompany textbooks from Prentice-Hall and Thompson Learning, in addition to a soil course lab manual published by Thompson Learning.

Dr. Gibson has an adjunct faculty appointment at Clemson University where his research was funded by the Southeastern Peach Council in 2007, 2008 and 2009 and continues today through Clemson-sponsored funding. Research findings have generated over 12 scientific publications for which Dr. Gibson is the principal author. His current research interests include phenological effects of graft-transmissible agents in peach trees such as Asian Prunus Virus, Apple Chlorotic Leaf Spot Virus, and Peach Latent Mosaic Viroid. His work has generated full length genetic sequences of two novel infectious agents and a Real-Time RT-PCR system to study the interaction of Prunus Necrotic Ringspot Virus and Prune Dwarf Virus.

Dr. Gibson has written and published a novel. He and his wife have three children and live in Athens, Georgia. He has been the recipient of the 2000-01 President's Award at Gwinnett Technical College, 1987-88 President's Award at John Wieland Homes and the Quality Award FY '94, FY '95, FY '96, July '98, FY '98, and FY '99. In 2007, Dr. Gibson received the Georgia Green Industry Association's Educator of the Year Award, which is the highest honor bestowed on green industry educators in the State of Georgia. The Georgia Green Industry Association (GGIA) is a non-profit trade association, incorporated in the State of Georgia, representing the interests of the State's nursery, garden center and landscape industry.