

John G. Thomas, PhD, Professor Emeritus, WVU School of Medicine

Certified, “High Complexity Clinical Laboratory Director” (HCLD)(ABB)

Professor Emeritus John G. Thomas, PhD, is recognized as an “International Educator and Global Microbiologist “ (www.globalbugs.com) having lectured in more than 33 countries while a clinical microbiologist in pathology (Professor), dentistry (Clinical Professor) and Graduate School, Microbiology (Adjunct Professor) for 56 years, his translational research emphasizing biofilms and medical devices. He has focused upon micro 3-D- bio Printing of contour fitting gauzes using bio-plastics and unique Prebiotics with Therapeutic Bacteria (Beneficial Bacteria) for chronic wound intervention (SMarT Gauzes I,II,III); this integrates a common pathway, visualized through his ‘Microbial Clock’ and recently created ‘Your Microbiota’ (www.globalbugs.com) which underscores a “Dual Citizenship” and co evolution of symbiotic microbes and human ecosystems. “MICROBES MATTER”. His Probiotic Solutions integrates Computer Decision Support for Probiotic (Beneficial Bacteria) Guidelines combining AI, Artificial Intelligence and Precision Medicine, expanded recently to emphasize the importance of our microbiota in more than 115 non communicable diseases (NCD and Symptoms) associated with higher costs worldwide than all traditional communicable diseases. (WHO)

Most recently Professor Thomas has magnified his creativity via a new “Microbiology Re-Imagined, 3000” Theme, (www.globalbugs.com/Introduction), incorporating 5 integrated topics; these emphasize microbial wellness, Banking and Investment Strategies for the human microbiota, recognizing our Biologic Kin, and their sheparding of wellness and/or disease, including aging and age related diseases, highlighting “ Microbial Centric Aging”. AGING WELL, LONGER, THRU MICROBIOLOGY. To complement his Banking theme, Dr Thomas recently created a tool to evaluate your microbiota wellness via a Microbial Credit Score. His 24/7 available website, www.golbalbugs.com, provides educational support via the theme “Making a World of Difference Thru Microbiology “, highlighting medical transition from ‘Germ theory to Germ Therapy’. It is a ready resource to strike at political mis information/disinformation.

An avid advocate of (>dents and student research, his students received significant national awards for accomplishments (>300 abstracts), while he created the “Culture Plate Gang”, 11 animated puppets linked to a specific topic, stimulating class room student participation (www.globalbugs.com/Teaching with Puppets). Dr Thomas in 2001 received the highest teaching accommodation awarded by West Virginia University.

He has over 50 publications, multiple book chapters and significant grant support. His military obligation (1969-71) (biofilms/wounds) and his sabbatical at Cardiff University, Wales, UK (2007)(oral health, biofilms) have remained a driving catalyst. He has been a member of the American Dental Association Scientific Advisory Committee for 8 years and American Society of Microbiology for 56 years.

As Faculty at 3 national (Northeastern Ohio Universities College of Medicine, Rutgers University and West Virginia University) and 2 international Universities (National University of Singapore and Cardiff University) during his career, he has received multiple Alumni and University awards for research and

Student Mentoring ; retiring from West Virginia University in 2013 after 23 years as Professor Emeritus , he presently is expanding his research/teaching utilizing the advanced resources of the Allegheny Health Network (Center of Excellence in Biofilm Research) and Carnegie –Mellon University, Pittsburgh, PA, and Mass. Gen. Hospital (Dept. of Anesthesia and Critical Care) with Harvard University, Boston, MA, all under the umbrella of his Global Microbiology Consulting (GMC) (www.globalbugs.com), now Microbiology Global Education and Consulting, LLC. Focus: Post Covid VAP and Prevention. He was Acting Director of Microbiology, Laboratory Medicine, Allegheny General Hospital, Pittsburgh, PA, 2013-2016.

A passionate outdoorsman reflecting his Vermont heritage, Dr Thomas has been a certified member of the National Ski Patrol for 17 years, ascending Mt Washington/Tuckerman's Ravine on his 76th BD in April, then skiing down. He continues to teach at WVU, including OLLI (Osher Life Long Learning Institute, WVU School of Public Health), Rutgers University, and MGH, Boston, Anesthesia and Critical Care while connecting with the Aging Society and Social Change. Dr Thomas has been married for 51 years and with his wife, Penny, a Vermonter also, have 3 Daughters, all Public Health professionals, one also a certified national ski patroller of 10 years. They have 6 grandsons.