



## AMERICAN WATER

### **Mark W. LeChevallier, Ph.D.**

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Dr. LeChevallier received his Bachelor of Science and Masters degrees in Microbiology from Oregon State University in 1978 and 1980. He worked as a Research Associate at Montana State University where he received his Ph.D. in Microbiology in 1985. Since 1985 he has worked for American Water, a water utility operating in 40 states, and Canada; serving over 15 million people. Dr. LeChevallier is currently the Director of Innovation & Environmental Stewardship at the American Water Corporate Center in Voorhees, NJ. In this capacity he directs a staff of about 40 for both the research and environmental compliance programs.

Research areas have included bacterial regrowth, disinfection of biofilms, corrosion, bacterial nutrients, AOC measurement techniques, biological treatment, *Mycobacterium*, microbial recovery and identification, modeling and impact of pressure transients on water quality, and detection, treatment and survival of *Giardia* and *Cryptosporidium*. He has authored or coauthored over 100 research papers, most in peer-reviewed journals. Several of his papers have received awards from the American Water Works Association for outstanding contributions to the science of water treatment. He was the recipient of the George Warren Fuller award in 1997 from the New Jersey section of the American Water Works Association, the Able Wolman Award from the American Water Works Association in 2012, and the A.P. Black award for research from the American Water Works Association in 2015. He is a fellow of the American Academy of Microbiology. Dr. LeChevallier has been the principal investigator or co-investigator on over 80 research grants totaling over \$36 million from the US Environmental Protection Agency, American Water Works Association, the Water Research Foundation, WateReuse Research Foundation, WERF, and various State agencies. Dr. LeChevallier was named by *Public Works* magazine as a 2005 Trendsetter to “recognize leaders in the public works community who have defined policy, brought their community or an issue into the spotlight, or set the standard within the industry.”

Dr. LeChevallier also directs environmental compliance programs for American Water including the development of environmental management plans for more than 1,000 operating centers, environmental audits to ensure compliance, development of a national cross connection control program for American Water, and implementation of environmental stewardship and greenhouse gas control programs. Dr. LeChevallier is a frequent speaker at regional, national and international conferences. He has provided consulting services to a number of water utilities on issues dealing with biofilms, coliform monitoring, disinfection and chloramination, *Giardia* and *Cryptosporidium*, and corrosion control.

Dr. LeChevallier currently serves as the chair of the Research Advisory Committee for the WateReuse Research Foundation, a member the Water Environment Research Foundation (WERF) Research Committee. He is a past member of the *Journal of the American Water Works Association* editorial advisory board. He was a negotiator representing the National Association of Water Companies on the USEPA Federal Advisory Committee for revisions to the Total Coliform Rule and served on the Research and Information Collection Partnership panel for research to develop the Distribution System Rule. He was a member of the Distribution System Committee for the National Academy of Science, National Research Council. Dr. LeChevallier has served on a variety of professional committees and was the past-chair of the AWWA Water Science and Research Division, past-chair of Division Q of the American Society for Microbiology, past chair of the Peer Review Editorial Board for the *Journal of the American Water Works Association*, past chair of the AWWA Total Coliform Rule Technical Action Workgroup (TCR TAW), past member of the *Applied and Environmental Microbiology* editorial board, and past chair of the Unsolicited Proposal Review Committee for the Water Research Foundation. He has served several terms as a member and subgroup chair of the AWWA Research Foundation Research Advisory Committee and as a member of the Strategic Initiative group that directed a \$5 million, 5-year program on distribution system research. He has been an active participant in a number of USEPA committees, the Disinfection By-Product Council Technical Advisory Group, the STAR peer review panel, and the Drinking Water Advisory Committee. He is a member of the American Water Works Association, the American Society for Microbiology, and the International Water Quality Association.