

**Roger L. Vallejo**  
**Biographical Sketch**

Roger L. Vallejo is a computational biologist and geneticist at USDA-ARS-NCCCWA, Leetown, WV. He earned an MS degree in plant breeding and statistics from Universidad Nacional Agraria La Molina, Lima, Peru in 1983; and a PhD degree in plant breeding and genetics from North Carolina State University, Raleigh, NC in 1993. He was an associate geneticist at the International Potato Center, Lima, Peru from 1983-90. He also was a research geneticist at the USDA-ARS-ADOL, East Lansing, MI from 1995-97. He served as a senior research fellow in population and statistical genetics at the National Institutes of Health, NIAAA, Bethesda, MD from 1997-2000. He was an assistant professor of genomics and bioinformatics at Penn State University, Department of Animal and Dairy Science, State College, PA from 2000-04. His research interest is on Bayesian methods of complex segregation analysis of complex traits in rainbow trout; design and simulation-based power analysis of QTL mapping experiments for complex traits in outbred populations; genome linkage and association scan for QTL affecting complex traits in rainbow trout; genetic characterization of rainbow trout populations using molecular and pedigree data; development and implementation of strategies for marker/gene-assisted and genomic selection in rainbow trout breeding programs; and microarray study design and statistical analysis of gene expression data. He is proficient in the use of statistical packages and programming including SAS, R and C++. He has been a member of the American Association for the Advancement of Science, Genetics Society of America, and ISAG member since 2006. Since 2000, he has served as editorial board member of the *Journal of Dairy Science*. He has served as an ad hoc reviewer for *Journal of Animal Science*; *Journal of Animal Breeding and Genetics*; *Marine Biotechnology*; *Israeli Journal of Aquaculture*; and *Genetic Epidemiology*. He has served as grant panel reviewer for USDA-NRICGP and USDA-NIFA-AFRI. He has also served as Ad hoc grant reviewer for NSF, Israel Science Foundation and US-Israel Binational Agric. Res. & Develop. Since 2009 he has served as an Adjunct Professor at Universidad Nacional Agraria La Molina, Department of Aquaculture and Fisheries, Lima, Peru. He has lately published a number of peer-reviewed articles in animal genetics and genomics (<http://www.ncbi.nlm.nih.gov/pubmed?term=Vallejo+RL%5Bauthor%5D&cmd=detailssearch>).