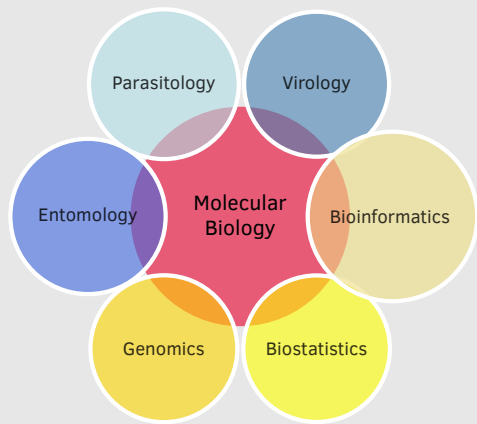




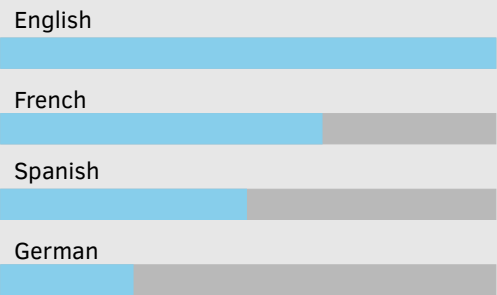
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Specialty Areas

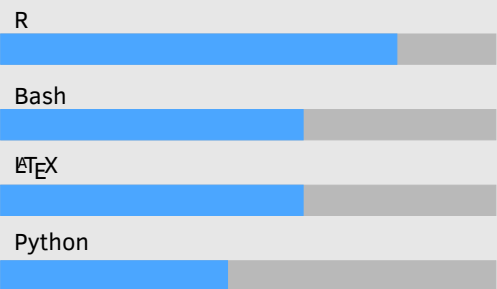


Languages

Spoken



Programming



John Clayton

Research Scientist

"The endless wonder of science is that the more we know, the more we know there is to know"
- Stephen Budianski

Experience

2011–2015
Post-doctoral Scholar
Institut national de la santé et de la recherche médicale (INSERM)
Université de Strasbourg
Strasbourg, France



- ★ successfully developed molecular reagents for allele-specific RNAi in *Anopheles gambiae*
- ★ used small-RNA-seq to identify piRNA-like small RNAs derived from a transgene locus

2003–2010
Pre-doctoral Researcher
Johns Hopkins Bloomberg School of Public Health
Department of Molecular Microbiology & Immunology
Baltimore, MD USA



- ★ characterized an acquired, sequence-specific anti-viral resistance observed in *Aedes aegypti* during virus infection
- evaluated recombinant Alphaviruses expressing pro-apoptotic genes as a potential biocontrol agents

2002–2003
Post-baccalaureate Researcher
European Molecular Biology Laboratory
Heidelberg, Germany



- ★ identified a role for a Rel-family transcription factor during *Plasmodium* infection of mosquitoes
- developed strains of transgenic *Anopheles gambiae* expressing eGFP in dying epithelial cells invaded by the malaria parasite

2000–2002
Emerging Infectious Diseases Fellow
Centers for Disease Control and Prevention
Atlanta, GA USA



- 🏆 developed the genetic transformation method for *Anopheles gambiae*
- assisted in CDC response during the 2001 Anthrax bioterror crisis

Education

2003–2010
Doctorate
Johns Hopkins Bloomberg School of Public Health
Department of Molecular Microbiology & Immunology
Baltimore, MD USA



- Dissertation: *Transduction of Virulence Factors by Alphaviruses in Vertebrate & Invertebrate Models of Infection*

2003–2005
Certificate in Vaccine Science & Policy
Johns Hopkins Bloomberg School of Public Health
Department of International Health
Baltimore, MD USA



1996–2000
Bachelor of Arts
University of California at Berkeley
Department of Molecular & Cell Biology
Berkeley, CA USA



- Emphasis: *Genetics & Development*