

Lee Shoa Long Clarke, MSTP Stanford University

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CITIZENSHIP USA

RESEARCH INTERESTS Computational approaches to evolutionary and functional genomics, population genetics, medical informatics

EDUCATION

Stanford University
Stanford, California USA
M.D. (in progress)
Ph.D. (in progress)

- Thesis: Methods for Learning the Vertebrate Regulatory Code
- Advisor: Gill Bejerano (Computer Science, Developmental Biology)

Cornell University
Ithaca, New York USA
B.S. Human Biology, Health and Society 2006

- Thesis: Gene Loss in the Chimpanzee
- Advisor: Carlos D. Bustamante (Biological Statistics & Computational Biology)

AWARDS

- HHMI Gilliam Fellow, 2008
- HHMI EXROP Scholar, 2005
- Cornell Hughes Scholar, 2004
- Hatch Undergraduate Research Grant, 2004

RESEARCH EXPERIENCE Bejerano Lab, Stanford University
Graduate Student, 2007 - Present
Computational analysis of regulatory elements in vertebrate genomes

Petrov Lab, Stanford University
Rotation Student, 2006
Gene translocation and sex chromosome evolution

Bustamante Lab, Cornell University
Undergraduate Researcher, 2004 - 2006
Human and chimp comparative genomics

Honig Lab, Columbia University
HHMI EXROP student, 2005
Algorithms for intelligent sampling of alignment space for protein structure prediction

PRESENTATIONS

2005 “Comparing the Human and Chimp Genomes: Pseudogenization in the Chimp”
- Evolution (poster and talk)

2004 “Comparing the Human and Chimp Genomes: Pseudogenization in the Chimp”
- The Leadership Alliance National Symposium (talk)

COMMUNITY
SERVICE

Pacific HepB Free Campaign
Co-director, 2008 - Present

Pacific Free Clinic
Clinical volunteer, 2006 - Present
Operations and Research Chair, 2006 - 2007
Database and Technology Chair, 2007 - Present

Stanford University Minority Medical Alliance (SUMMA) Conference
Workshop Leader, 2008
FACES speaker, 2008

Cesar Chavez Youth Leadership Conference
Workshop Leader, 2008