

# Scott A. Sherrill-Mix

Department of Microbiology, University of Pennsylvania  
scott\_cv@sherrillmix.com    http://scott.sherrillmix.com

## EDUCATION

### **Graduate Student**, University of Pennsylvania

Philadelphia, Pennsylvania

SEP 2009–PRESENT

Supervisor: Frederic Bushman

### **M.Sc. Biology**, Dalhousie University

Halifax, Nova Scotia, Canada

JAN 2004–AUG 2007

*An Analysis of Migratory Cues and Potential Tagging Effects in the Leatherback Sea Turtle*

Supervisors: Ransom Myers & Michael James

### **Student Exchange**, Hiroshima University

Saijyo, Hiroshima, Japan

OCT 2001–AUG 2002

JASSO Student Exchange Promotion Scholarship

### **B.Sc. Biology**, Florida State University

Tallahassee, Florida

AUG 1998–AUG 2002

Certificate in Living Marine Resource Ecology

National Merit Scholar, Summa Cum Laude, Phi Beta Kappa

## PUBLICATIONS

**Engineering HIV-resistant human CD4+ T cells with CXCR4-specific zinc-finger nucleases.** C.B. Wilen et al. 2011. *PLoS Pathogens*. 7:e1002020

**HCV transmission bottlenecks analyzed by deep sequencing.** G.P. Wang, S.A. Sherrill-Mix, K.-M. Chang, C. Quince & F.D. Bushman. 2010. *Journal of Virology*. 84:6218–6228

**HIV sequence variation associated with env antisense adoptive T-cell therapy in the hNSG mouse model.** R. Mukherjee, G. Plesa, S. Sherrill-Mix, M.W. Richardson, J.L. Riley & F.D. Bushman. 2010. *Molecular Therapy*. 18:803–811

**High fat diet determines the composition of the murine gut microbiome independently of obesity.** M.A. Hildebrandt, C. Hoffman, S.A. Sherrill-Mix, S.A. Keilbaugh, M. Hamady, Y.-Y. Chen, R. Knight, R.S. Ahima, F. Bushman. & G.D. Wu. 2009. *Gastroenterology*. 137:1716–1724

**Evaluating potential tagging effects on leatherback sea turtles.** S.A. Sherrill-Mix & M.C. James. 2008. *Endangered Species Research*. 4:187–193

**Migration cues and timing in leatherback sea turtles.** S.A. Sherrill-Mix, M.C. James & R.A. Myers. 2008. *Behavioral Ecology*. 19:231–236

**Perceptual shape-based natural image representation and retrieval.** X. Zheng, S.A. Sherrill-Mix & Q. Gao. 2007. *Proceedings of the IEEE International Conference on Semantic Computing*. 2007:622–629

**Population characteristics and seasonal migrations of leatherback sea turtles at high latitudes.** M.C. James, S.A. Sherrill-Mix & R.A. Myers. 2007. *Marine Ecology Progress Series*. 337:245–254

**Saving endangered whales at no cost.** R.A. Myers, S.A. Boudreau, R.D. Kenney, M.J. Moore, A.A. Rosenberg, S.A. Sherrill-Mix & B. Worm. 2007. *Current Biology*. 17:R10–R11

**Canadian waters provide critical foraging habitat for leatherback turtles.** M.C. James, S.A. Sherrill-Mix, K.E. Martin & R.A. Myers. 2006. *Biological Conservation*. 133:347–357

CONFERENCES

**27<sup>th</sup> Annual Symposium on Sea Turtle Conservation and Biology 2007**  
Presentation: High latitude leatherback turtles: when do they migrate south?

**IUCN Shark Specialist Group Red List Workshop 2004**

Assessments: *Scyliorhinus retifer*, *Scyliorhinus meadi*, *Somniosus microcephalus* & *Isistius plutodus* in 2006 IUCN Red List of Threatened Species

**5<sup>th</sup> Mote International Symposium in Fisheries Ecology 2004**

Poster: When does catch-per-unit-effort reflect abundance?

EXPERIENCE

**Programmer Analyst**, University of Pennsylvania - Dr. Frederic Bushman  
Philadelphia, Pennsylvania JUN 2008–SEP 2009  
Management and analysis of pyrosequenced DNA and bioinformatics data

**Consultant**, Canadian Sea Turtle Network

Independent Contractor JAN 2008–JUL 2010  
Analysis of short-term and satellite-tracked leatherback telemetry data

**Consultant**, Atlantic Loggerhead Turtle Stock Assessment 2007

Independent Contractor AUG 2007–MAY 2008  
Converting, filtering and mapping loggerhead satellite telemetry data

**Consultant**, Atlantic Leatherback Turtle Stock Assessment 2006

Independent Contractor FEB 2006–MAY 2006  
Converting, filtering and mapping leatherback satellite telemetry data

**Teaching Assistant**, Dalhousie University

Halifax, Nova Scotia SEP 2004–MAY 2007  
Classes: Marine Diversity (1 semester), Integrated Science-Biology (4 semesters),  
Integrated Science-Calculus/Programming (2 semesters)

**Marine Field Biologist**, International Pacific Halibut Commission

Gulf of Alaska MAY 2003–SEP 2003  
PIT tagging and collecting biological data and samples on a chartered vessel

**Fishery Observer**, Data Contractors, Incorporated

Gulf of Alaska & Bering Sea JAN 2003–MAY 2003  
Estimating the catch of pot and longline groundfish vessels and collecting biological data

**Fishery Observer**, Frank Orth and Associates

Coast of California SEP 2002–DEC 2002  
Estimating the catch of drift gillnet swordfish vessels and collecting biological data

**Research Cruise Technician**, USGS RV Tommy Munro & NOAA RV Oregon II

Gulf of Mexico AUG 2001 & SEP 2001  
Longlining, trawling, live tagging and dissection of sharks and fishes

**Biological Technician**, NMFS Panama City Laboratory - Dr. Douglas DeVries

Panama City, Florida AUG 2001–OCT 2001  
Hook and line sampling, dissection and otolith sectioning of reef fishes

**Intern**, NMFS Panama City Laboratory - Dr. John Carlson

Panama City, Florida MAY 2001–AUG 2001  
Gill netting, dissection, data analysis and live tagging of coastal sharks  
“Aging the Atlantic sharpnose shark, *Rhizoprionodon terraenovae*, through eye lens weight”