

## C. Thomas Henley Gillespie

### Lab

Martone Lab  
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### Home

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### Career Objective

PhD in Neuroscience ultimately aiming to do research and teach in a university setting.

### Education

University of Chicago, Chicago, IL 2006-2010  
BA: Biological Sciences, Specialization: Neuroscience  
University of North Carolina, 2010-2011  
Graduate Level Biostatistics, Computer Science  
University of California San Diego 2012-present  
Neurosciences Graduate Program

### Additional Training and Skills

Python, R, Matlab, SQL, C/C++, Java  
Computer networking and maintenance  
Linux systems administration  
Languages: Spanish (intermediate), German (beginner)  
Leadership training: The Legacy Center, Morrisville, NC  
March - August, 2011  
Team-building and team-work training. Project development and completion.

### Employment

Duke University, Biology Department, Kiehart Lab  
July 5, 2007 - September 21, 2007  
DNA cloning, enzyme digests, PCR amplification, sequencing, TA cloning,  
inoculation, other cloning techniques  
July 7, 2008 - September 26, 2008  
Drosophila embryo collection and prep, live imaging timelapse zstack, image  
processing, confocal/spinning disk repair, DNA cloning, stitch-in PCR, in-gel  
ligation  
  
University of Chicago, Molecular Genetics and Cell Biology, Staley Lab  
November 2008 - May 2010  
Protein purification, spliceosome isolation, RNA isolation,  
PCR primer creation, Radio-labeling, enzyme activity assays

Duke University, Center for Cognitive Neuroscience, Platt Lab

June 2011 – April 2012

Electrophysiology: *in vivo* sharp electrode recording

Microstimulation

Microinjection

Non-human primate (rhesus macaque) care

Circuit design and implementation for data-acquisition devices

University of California, San Diego, Department of Biology, Scanziani Lab

March 2013 – May 2014

*in utero* electroporation

Acute brain slice preparation

*in vitro* slice electrophysiology

Mouse husbandry

Database design and management

University of California, San Diego, Department of Neurosciences, Martone Lab

Salk Institute for Biological Studies, CNL, Sejnowski Lab

May 2014 – Present

Neuroinformatics

Knowledge representation systems

Ontology development and maintenance

Formal language development

Information system design and implementation

Durham Academy, Assistant Coach, JV Boys soccer, 2010 and 2011 seasons

## Teaching

University of Chicago, TA for BIOS 2011 Initiative, taught by Steve Kron, Spring 2008

UCSD, TA for Cellular Neurobiology, taught by Massimo Scanziani, Winter 2014

UCSD, Lecturer for Statistics for Neuroscientists, Spring 2016

## Awards and honors

NSF Graduate Research Fellowship Program Honorable Mention 2014

UCSD Interfaces Graduate Training Program Training Grant 2014

Research Data Alliance Data Share Fellow 2016-2017

UCSD Interfaces Runner-up for best Quick Talk 2016

## Publications and Presentations

Gillespie TH, Martone ME. Measuring Knowledge in Neuroscience. Poster session presented at: FORCE2015; 2015 Jan 12-13; Oxford, UK.

Gillespie TH. Finding tools and knowledge using NIF. Invited talks at: Coastal Marine Biolabs; 2015 July 14, Aug 11, 2016 Aug 13; Ventura, CA.

Gillespie TH, Bandrowski AE, Grethe JS, Martone ME. Bringing knowledge to data. 544.01. Poster session presented at: SfN 2015; 2015 Oct 17-21; Chicago, IL.

Gillespie T, Zhang Q, Subramanian CS, Han Y. Identifiers and Use Case in Scientific Research. Paper presented by Han Y at the IFLA World Library and Information Congress - 82nd IFLA General Conference and Assembly; 2016 Aug 18; Columbus, OH.  
<http://library.ifla.org/id/eprint/1468>

Gillespie, TH. Martone, ME. Persistent Identifiers for Scientific Protocols. Poster presented at RDA Plenary 8; 2016 Sept 15-17; Denver, CO.

Gillespie TH. PIDs for Scientific Protocols. Talk presented at PIDapalooza; 2016 Nov 9-10; Reykjavik, Iceland. <http://pidapalooza.org/#16>

Gillespie TH, Bandrowski AE, Grethe JS, Martone ME. The neuroscience lexicon: return of the STD. 97.20. Poster session presented at: SfN 2016; 2016 Nov 12-16; San Diego, CA.

### **Conferences, workshops, and professional meetings**

Society for Neuroscience 2011; Nov 12-16; Washington DC  
Society for Neuroscience 2012; Oct 13-17; New Orleans, LA  
Society for Neuroscience 2013; Nov 9-13; San Diego, CA  
FORCE2015; Jan 12-13; Oxford, UK  
Society for Neuroscience 2015; Oct 17-21; Chicago, IL  
PHOIBOS2; 2016 Feb 17-19; Oracle, AZ; Invited  
FORCE2016; 2016 April 17-19; Portland, OR  
I Annotate; 2016 May 19-20; Berlin DE; Sponsored  
RDA Plenary 8; 2016 September 15-17; Denver, CO; Sponsored  
Pidapalooza; 2016 November 9-10; Reykjavík, Iceland  
Society for Neuroscience 2016; Nov 12-16; San Diego, CA

### **References**

On request