

SOPHIA TINTORI

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EDUCATION

University of North Carolina at Chapel Hill PhD, Biology Advisors: Bob Goldstein and Jason Lieb (2011-2015), Bob Goldstein (2015-2017) Dissertation: The Initiation of Transcription and Gastrulation in the <i>C. elegans</i> Embryo	2011-2017
Brown University BS, Biology Thesis advisor: Casey Dunn	2004-2009
Gnomon School of Visual Effects Dynamic Effects 3D Animation Course	2017
Duke University Documentary Production Course	2015
Woods Hole Marine Biology Laboratory Embryology Course	2013
Rhode Island School of Design Animation Course	2008

SCIENTIFIC AWARDS

National Institutes of Health Ruth L. Kirschstein Pre-Doctoral National Research Service Award	2015-2017
National Science Foundation Graduate Research Fellowship Program	2012-2015
Biological & Biomedical Sciences Program, UNC Chapel Hill Director's Award	2011-2012

PEER REVIEWED PUBLICATIONS

(in preparation) **Tintori, SC**, Golden, P and Goldstein, B. (Date TBD) DrEdGE – A tool for generating interactive visualizations of high throughput sequencing data.

(in press) **Tintori, SC** (2018). Perspectives: Turning the microscope on power dynamics in the lab. *Molecular Biology of the Cell*.

Tintori, SC, Osborne Nishimura, E, Golden, PT, Lieb, JD and Goldstein, B. (2016). A transcriptional lineage of early *C. elegans* development. *Developmental Cell* 38(4), 430-444.

Sullivan-Brown JL, Tandon P, Bird KE, Dickinson DJ, **Tintori SC**, Heppert JK, Meserve JH, Trogden KP, Orlowski SK, Conlon FL and Goldstein B. (2016). Identifying Regulators of Morphogenesis Common to Vertebrate Neural Tube Closure and *Caenorhabditis elegans* Gastrulation. *Development* 143(1):123-39.

Boothby TC, Tenlen JR, Smith FW, Wang JR, Patanella KA, Nishimura EO, **Tintori SC**, Li Q, Jones CD, Yandell M, Messina DN, Glasscock J and Goldstein B. (2015). Evidence for extensive horizontal gene transfer from the draft genome of a tardigrade. *Proc Natl Acad Sci U S A*. 2015 Dec 29;112(52):15976-81.

Siebert S, Robinson MD, **Tintori SC**, Goetz F, Helm RR, Smith SA, Shaner N, Haddock SH and Dunn CW. (2011). Differential gene expression in the siphonophore *Nanomia bijuga* (Cnidaria) assessed with multiple next-generation sequencing workflows. *PLoS One*; 6(7):e22953.

FILM AND VIDEO Co-director and animator for STATION 15. Writer, director and animator for all others. All films available either at www.sophiatintori.com or by request.

Film Series on Gender and Sex Variation (2018)

A 6-film educational series about sex and gender diversity for the Campion Fund

STATION 15 (2017)

Short documentary commissioned by Smithsonian and Louisiana Endowment for the Humanities

Proprioception and Virtual Reality for Fruit Flies (2017)

For John Tuthill's Beckman Young Investigators Award application

Eduard Buchner and the Death of Vitalism (2016)

For Eric Lander's Introduction to Biology online course at MIT

Featured in NYTimes article about CreatureCast <http://nyti.ms/2lRHZ8M> (2013)

Hollow Trees (2011), **Tangled String** (2010), **Footage from the Deep** (2010), **Picky Females** (2010) **Multicellularity** (2009), **Squid Iridescence** (2009)

Featured on The New York Times, NPR's Science Friday, The Loom, Science 360, and several pop-culture blogs. Screened at the Imagine Science Film Festival (2011) and the NESCent Evolution Video Festival (2011)

ADDITIONAL SCIENCE COMMUNICATION

Trinity University 2018

Guest science lecturer — Francisco Goldman's Creative Non-Fiction class

Interactive Data Visualization Tool 2016

Designed tool for exploring single cell RNA-seq data from Tintori et al., 2016

Triangle Cytoskeleton Meeting 2014

Animated gif illustrations for publicity

New York Hall of Science 2012

Guest Lecturer, Workshop Leader — Animation for Nanos

Mothers News 2011-2015

Science Columnist

CreatureCast.org 2009-2011

Writer, Editor, Website Manager, Video Production — Blog and Video Series