

SOPHIA TINTORI
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EDUCATION

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

SCIENTIFIC AWARDS

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

PEER REVIEWED PUBLICATIONS

- Tintori, SC**, Osborne Nishimura, E, Golden, PT, Lieb, JD, 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, Goldstein B. (2016). Identifying Regulators of Morphogenesis Common to Vertebrate Neural Tube Closure and *Caenorhabditis elegans* Gastrulation. *202(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, 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, 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 and animator for all others.

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)

Featured in the Imagine Science Film Festival (2011), NESCent Evolution Video Festival (2011)

Footage from the Deep (2010)

Featured in the Imagine Science Film Festival (2011)

Picky Females (2010) **Multicellularity** (2009)

Featured on NPR's Science Friday, The Loom, Science 360

Squid Iridescence (2009)

Featured on the New York Times, Science Friday, The Loom, and several pop-culture blogs

ADDITIONAL SCIENCE COMMUNICATION

New York Hall of Science

2012

Guest Lecturer, Workshop Leader — Animation for Nanos

Mothers News

2011-2015

Science Columnist — Tinto's Invertebrate of the Month

CreatureCast.org

2009-2011

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