B. DUYGU ÖZPOLAT

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EDUCATION

Ph.D. Dec. 2010 Department of Cell and Molecular Biology, Tulane University, New Orleans, LA,

USA Advisor: Ken Muneoka

B.Sc. May 2004 Department of Biology, Middle East Technical University, Ankara, Turkey

- Ranked 3rd among the graduating seniors of the class

ACADEMIC POSITIONS

Jul. 2017 – (Current) Marine Biological Laboratory, Woods Hole, MA, USA

- Hibbitt Fellow, Principal Investigator

Sep. 2014 - Dec. 2016 Institut Jacques Monod, Université Paris 7 Diderot, Paris, France

Advisors: Guillaume Balavoine, Michel Vervoort - "LABEX Who Am I" Post-doctoral Fellow

Dec. 2013 - Sep. 2014 Department of Biology, University of Maryland, College Park, MD, USA

and Advisor: Alexa Bely

Jan. 2011 – Apr. 2013 - Post-doctoral Fellow

PUBLICATIONS

Research Articles

(in preparation) Kelley E., Özpolat B.D. vasa knock down via electroporating morpholinos disrupt tail regeneration in the juvenile *Platynereis dumerilii*.

(in press) Kuehn E., Clausen D., Null R.W., Metzger B., Willis A., Özpolat B.D. Segment number threshold determines juvenile onset of germline cluster proliferation in *Platynereis dumerilii* (2021) *JEZ-B*

Torres J.P., Lin Z., Watkins M., Salcedo P.F., Baskin R.P., Elhabian S., Safavi-Hemami H., Tun J., Saguil N., Fang Y., Urdaneta R.F., Özpolat B.D., Olivera B.M., Schmid E.W. Small molecule mimicry hunting strategy in the imperial cone snail, *Conus imperialis*

CONFERENCES

Talks (from submitted abstracts, presenter underlined)

Apr. 2021	Özpolat B.D. Germ cell regeneration in Annelids International Society for Regenerative Biology Launch Meeting (virtual)
Apr. 2021	<u>Kelley E.</u> and Özpolat B.D. Electroporation as a method for large molecule delivery during regeneration in the juvenile <i>Platynereis dumerilii</i> . - New Model Organism Consortium Seminar Series (virtual).
Oct. 2020	<u>Kelley E.</u> and Özpolat B.D. Electroporation as a method for large molecule delivery during regeneration in the juvenile <i>Platynereis dumerilii</i> . - 1 st Platynereis Conference (virtual).
Oct. 2019	<u>MacCord K.</u> and Özpolat B.D. Germ Line Regeneration in Metazoans PhillnBioMed, Bordeaux, France.
Jul. 2019	MacCord K. and Özpolat B.D. Germ Line Regeneration in Metazoans International Society for the History, Philosophy, and Social Studies of Biology (ISH) Biennial Meeting 2019, Oslo, Norway.
Dec. 2017	Özpolat B.D., Handberg-Thorsager M., Vervoort M., Balavoine G. Identifying the embryonic origins and cell cycling behavior of mesodermal stem cells using live-imaging in a marine annelid ASCB/EMBO Meeting, Philadelphia, PA, USA
Nov. 2015	Özpolat B.D., Handberg-Thorsager M., Vervoort M., Balavoine G. Developing the cell cycle indicator FUCCI for live-imaging analysis of putative stem cells during post-embryonic development in the segmented worm <i>Platynereis dumerilii</i> . - Labex Retreat, 2015, Deauville, France
Jan. 2014	Özpolat B.D., Borovikov A., Zattara E.E., Bely A. Development and evolution of the enigmatic lateral line of clitellate annelids Society for Integrative and Comparative Biology Annual Meeting 2014, Austin, TX, USA
Sep. 2013	Özpolat B.D. Segmented worms as a model of evo-devo.

Selected Posters (presenter underlined)

Jul. 2021 <u>Metzger B.M.</u>, Null R.W., Özpolat B.D. A multiplexed gene expression analysis during gametogenesis in the marine annelid *Platynereis dumerilii*.

- Society for Developmental Biology 80th Annual Meeting (Virtual)

Apr. 2021 <u>Kwiatkowski A.</u>, Kelley E., Özpolat B.D. Investigating the Effects of Electroporation with

Morpholinos on *Platynereis dumerilli* Regeneration using Image Analysis

- CAURS 2021 (Chicago Area Undergraduate Research Symposium)

Jun. 2015 - Project Management: The Basics for Success, online non-credit course, University of

California, Irvin

Jun.-Jul. 2013 - Embryology Course, Marine Biological Laboratory, Woods Hole, MA, USA

Dec. 2012 - OIST Winter Course of Evolution of Complex Systems (OWECS), Onna-son, Okinawa,

Japan

Aug. 2012 -

Grant reviewing:

NIH – NIGMS, Dev1 (ad hoc reviewer) Graduate Women in Science

Abstract reviewing:

Ecology and Evolutionary Biology Symposium in Turkey (EEBST)

Workshop/Event Organizing

2021 - present	Member, International Society for Regenerative Biologys(ISRB) Webinar Advisory Board
2021 - present	Organizer, <i>Platynereis</i> Community Meetings and Working Groups
2020 - present	Founder, organizer, Spiraliabase Virtual Lab Meetings
2020	Organizer, 1 st <i>Platynereis</i> Conference
2019	Organizer, Round table discussion for "Developing approaches for testing gene function in post-embryonic stages" ASCB/EMBO, Washington D.C.
2019	Organizer, Aivia Image Analysis Training Workshop, MBL, Woods Hole, MA
2018	Founder, organizer, Embryo Journal Club at MBL, Woods Hole, MA
<u>Outreach</u>	
Aug. 2021	Presenter, Tabletop Tidepool outreach, MBL, Woods Hole, MA
Mar. 2021	March Madness, Marine Biological Laboratory
Nov. 2020	Zoom discussion with high school students. Women in Science and Engineering (WiSE) Club, Falmouth Academy, Falmouth, MA, USA
Nov. 2020	Art Lab Podcast guest, interview on regeneration and science art.
May 2019	National Public Radio interview on regeneration, mental health in academia, and science art. WCAI Living Lab radio program.
Mar. 2019	Lunch/discussion with high school students. Women in Science and Engineering (WiSE) Club, Falmouth Academy, Falmouth, MA, USA
Fall 2018	High school science project on sea urchin fertilization. Falmouth Academy, MA, USA. Co-mentor with Alison Ament. Student: Fairooz Naziba
Jul. 2018	Panelist, "How to use social media to promote and share your science", Shaping and Understanding Career Choices in Education, Science and Self (SUCCESS) at the MBL, Woods Hole, MA, USA
Apr. 2018	Presenter, MBL Council "Sea urchin fertilization" Demo for the Imaging Initiative. Boston, MA, USA
Apr. 2012	Instructor, The Evolution Trail, Society for Developmental Biology booth, USA Science and Engineering Festival. Washington D.C., USA
2007 – 2011	Project Manager and editor-in-chief, Hard-workers for Evolution <u>Project</u> : Translation of University of California Berkeley's "Understanding Evolution" website into Turkish for public education, involving more than 100 volunteers living all around

JunJul. 2019	Artist, Summer Juried Show, Falmouth Art Center, Falmouth, MA, USA
Oct. 2019	Panelist, Science Art Pane "Nature, "vine – preserving ecology through color", MBL, Woods Hole, MA, US.
Apr. 2019	Featured in the article "Ar Kira Heikes on www.ascb. g
Jun. 2018	Thru the Lens of Time - Pharography Exhibit at MBL featuring Özpolat
May 2018	Science-themed artwork featured in the Science Art issue of μ Chicago Magazine published by University of Chicago
Apr. 2018	Science-themed artwork in the "Drawings and Sketches" Exhibition at Falmouth Art Center, Falmouth, MA, USA
Aug. 2016	Science-themed artwork featured in SciArt Magazine

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