

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
Jan. 2011 – Apr. 2013 Advisor: Alexa Bely
- Post-doctoral Fellow

PUBLICATIONS

Research Articles

- () Kelley E., Özpolat B.D. knock down via electroporating morpholinos disrupt tail regeneration in the juvenile .
- () 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 (2021)
- 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,

CONFERENCESTalks (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 Kelley E. and Özpolat B.D. Electroporation as a method for large molecule delivery during regeneration in the juvenile
New Model Organism Consortium Seminar Series (virtual).
- Oct. 2020 Kelley E. and Özpolat B.D. Electroporation as a method for large molecule delivery during regeneration in the juvenile
1st Platynereis Conference (virtual).
- Oct. 2019 MacCord K. and Özpolat B.D. Germ Line Regeneration in Metazoans.
- PhillInBioMed, 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
- 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.
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Selected Posters (presenter underlined)

- Jul. 2021 Metzger B.M., Null R.W., Özpolat B.D. A multiplexed gene expression analysis during gametogenesis in the marine annelid
- Society for Developmental Biology 80th Annual Meeting (Virtual)
- Apr. 2021 Kwiatkowski A., Kelley E., Özpolat B.D. Investigating the Effects of Electroporation with Morpholinos on 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 -

High school student research supervision

Fall 2019 Samuel Thrasher (Falmouth Academy)
 Fall 2018 Fairouz Naziba (Falmouth Academy)

Teaching Experience

Summer 2021 Invited Instructor, Embryology Course, Marine Biological Laboratory
 Fall 2019 (3 weeks) Mentor, undergraduate research project at Özpolat Lab, 3 students (2 minority, 2 women), Biodiversity and Genomics. University of Chicago course taught at MBL, Woods Hole, MA
 Jul. 2019 Instructor, Children's Science School, Embryology course, Annelid regeneration class. Woods Hole, MA, USA
 Fall 2017 (1 day) Instructor, University of Chicago Freshmen Pre-Orientation "Tiny Zoo" Lab Exercise at MBL
 Spring 2015 (1 day) Instructor, Demonstration of injections for "Developmental Biology" module
 - Instructor: Pierre Kerner, Université Paris 7 Diderot
 Spring 2014 (1 day) Instructor, Demonstration of injections for "Developmental Biology" module
 - Instructor: Pierre Kerner, Université Paris 7 Diderot
 Fall 2015 Mentor, Master's student research proposal writing, M1 Magistère de Génétique, Tutorat module "Projet de recherche"
 - Instructors: Jonathan Weitzman and Isabelle Caillé, Université Paris 7 Diderot
 Spring 2009 Teaching Assistant, Molecular Biology Laboratory. CELL 312/712
 - Instructor: Nancy Hopkins, Tulane University
 Spring 2009 Teaching Assistant, General Biology. CELL 101
 - Instructor: Meenakshi Vijayaraghavan, Tulane University

SERVICE and OUTREACHReviewing Activities

Article reviewing:

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, Community Meetings and Working Groups
2020 - present	Founder, organizer, Spiraliabase Virtual Lab Meetings
2020	Organizer, 1 st 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

Outreach

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: Fairouz 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

- Jun.-Jul. 2019 Artist, Summer Juried Show, Falmouth Art Center, Falmouth, MA, USA
- Oct. 2019 Panelist, Science Art Panel “Nature, Divine – preserving ecology through color”, MBL, Woods Hole, MA, USA
- Apr. 2019 Featured in the article “Art and Science Collaborations: What are they good for?” by Kira Heikes on www.ascb.org
- Jun. 2018 Thru the Lens of Time - Photography 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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