# Tracy Elizabeth Dohn

Curriculum Vitae
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## Education

2015-present University of New Mexico, Post-Doctoral Fellow, Biology

2009-2015 University of Cincinnati, Molecular and Developmental Biology, Ph.D.

2005-2009 Wittenberg University, B.S. in Biology

## Professional Experience

2017-present ASERT-IRACDA Fellow, Biology Department,
University of New Mexico, Albuquerque, NM
Research Mentor: Dr. Richard Cripps
Education Mentor: Todd Nims, Southwestern Indian Polytechnic Institute

2016-present Part-time Faculty, Biology Department,
University of New Mexico, Albuquerque, NM
Molecular Cell Biology

2015-2016 Post-doctoral Fellow, Biology Department
University of New Mexico, Albuquerque, NM
Mentor: Dr. Richard Cripps

2009-2015 Graduate Research Assistant, Cincinnati Children's Hospital, Cincinnati, OH.
Molecular and Developmental Biology Program, Molecular Cardiovascular Department
Title: Roles of Wnt signaling and Nr2f1a during zebrafish cardiac development
Mentor: Dr. Joshua Waxman

2012-2013 Teaching Assistant, University of Cincinnati, Cincinnati, OH
Biology I: Molecules, Cells, and the Foundation of Life Laboratory Section
Biology II: Evolution, Physiology, and Ecology Laboratory Section

2007-2009 Faculty Aid, Developmental Biology, Wittenberg University, Springfield, OH

2008 Undergraduate Research, Wittenberg University, Springfield, OH

Title: Role of Plexins in the development of motor neurons in zebrafish
Mentor: Dr. Michelle McWhorter

2007 Undergraduate Internship, Veterans' Association Hospital, Cincinnati, OH
Mentor: Dr. Michael Linke

2006 Undergraduate Directed Research, Wittenberg University, Springfield, OH
Title: Distribution of rocky intertidal zone gastropods *Nerita versicolor* and *N. peloronta* in sun and shade microhabitats on San Salvador, The Bahamas
Mentor: Dr. Timothy Lewis

## Fellowships and Awards

2017-present ASERT-IRACDA Fellowship, University of New Mexico
2015 Preparing Future Faculty Certificate
2014 Akeson Travel Award
2014 HSGA Student Travel Award
2013 Travel Award 51st Annual Midwest Society for Developmental Biology
2013 1st Place Trainee Presentations at Heart Institute Research Retreat
2013 Enhanced Training Opportunities Fellowship
2013 Akeson Travel Award
2013 Training Grant in Cardiovascular Biology
University of Cincinnati, Director: Dr. Arnold Schwartz
2012 1st Place Graduate Student Poster at Heart Institute Retreat
2012 HSGA Student Travel Award
2012 Akeson Travel Award
2008 Alpha Delta Pi Scholarship Award
2008 Waldo Nelson Research Award
2008 Outstanding Achievement in Biology

## Professional Development

2017 Teaching Mentorship at Southwestern Indian Polytechnic Institute
Mentor: Todd Nims, MS, MNR
2017 IRACDA Conference: Forging Research, Teaching, and Diversity in Science, University of Alabama, Birmingham, AL
2015 3T: Teaching, Techniques & Technology Conference, University of Cincinnati, Clermont College
2014 Preparing Future Faculty: Mentorship Experience
Mentor: Dr. Kathryn Rafferty
2014 3T: Teaching, Techniques & Technology Conference, University of Cincinnati, Clermont College
2013 Developmental Biology Teaching Workshop, Darling Marine Center, The University of Maine

2013 American Society for Biochemistry & Molecular Biology Career Development Workshop
2012 Preparing Future Faculty course: The Academic Job Search Process
2011 Preparing Future Faculty course: Teaching Effectiveness

## Mentoring

2016-present Daniel Wilson
2016-present Praveen Paudel
2017 Genesis Garay, UPN Scholar, University of New Mexico
2012 Colleen Perfect, Summer Research Trainee
2011 Benjamin Snyder, ExSEL II Summer student, University of Cincinnati

## Grants

2013 Training Grant in Cardiovascular Biology (5T32HL007382-36)
University of Cincinnati, Director: Dr. Arnold Schwartz
2008 Faculty Research Fund Board (FRFB) Grant, Wittenberg University Summer Research ($2100)

## Publications

**Dohn, T.E**., Waxman, J.S., (2011) Distinct phases of Wnt/ß-catenin signaling direct cardiomyocyte formation in zebrafish. *Developmental Biology* 361(2): 364-376.

Sorrell, MR, **Dohn, TE**, D'Aniello, E, Waxman, JS. (2013) Tcf7l1 proteins cell autonomously restrict cardiomyocyte and promote endothelial specification in zebrafish. *Developmental Biology* 380(2):199-210.

## Manuscripts

**Dohn, TE**, Cripps, RM. Absence of the Drosophila jump muscle actin Act79B is compensated by up-regulation of *Act88F*. *PLOS one*. In revision.

Duong, TB, Ravisankar, P, Song, YC, Grafranek, JT, **Dohn, TE**, Barske, LA, Crump, JG, Waxman, JS. Nr2f1a balances atrial chamber and atrioventricular canal size via BMP signaling-independent and –dependent mechanisms. *Developmental Biology*. In revision.

## Oral Presentations

**Dohn, TE,** Waxman, JS. *Coup-tf1a* acts downstream of RA signaling to promote pharyngeal muscle at the expense of ventricular cardiomyocytes in zebrafish. Heart Institute Research Retreat. Cincinnati, OH. September 9, 2013. 1st place Trainee Presentation

**Dohn, TE,** Waxman, JS. *Coup-tf1a* acts downstream of RA signaling to promote pharyngeal muscle at the expense of ventricular cardiomyocytes in zebrafish. Molecular and Developmental Biology Graduate Student Symposium, Cincinnati, OH. August 22, 2013.

**Dohn, TE**, Waxman, JS. *Coup-tf1a* acts downstream of retinoic acid signaling to restrict heart chamber size in zebrafish. Molecular and Developmental Biology Graduate Student Symposium. Cincinnati, OH. September 20, 2011.

## Poster Presentations

**Dohn, TE,** Cripps, RM. Mrtf has an early SRF-independent role in adult muscle development. 58th Annual Drosophila Research Conference. San Diego, CA. March 29 - April 2, 2017.

**Dohn, TE**, Cripps, RM. Actin isoforms in Drosophila muscle function. The Allied Genetics Conference. Orlando, FL. July 13-17, 2016.

**Dohn, TE**, Ravisanka, P, Barske, LA, Crump, JG, Waxman, JS. Nr2f proteins act downstream of RA signaling to restrict ventricular cardiomyocytes in zebrafish. Weinstein Cardiovascular Conference. Durham, NC. May 19-21, 2016.

**Dohn, TE**, Waxman, JS. *Nr2f1a* Acts Downstream of RA Signaling to Promote Pharyngeal Muscle at the Expense of Ventricular Cardiomyocytes in Zebrafish. Molecular and Developmental Biology Graduate Student Symposium. Cincinnati, OH. August 21, 2014.

**Dohn, TE**, Waxman, JS. *Nr2f1a* Acts Downstream of RA Signaling to Promote Pharyngeal Muscle at the Expense of Ventricular Cardiomyocytes in Zebrafish. Society for Developmental Biology 73th Annual Meeting. Seattle, WA. July 17-20, 2014.

**Dohn, TE**, Waxman, JS. *Nr2f1a* Acts Downstream of RA Signaling to Promote Pharyngeal Muscle at the Expense of Ventricular Cardiomyocytes in Zebrafish. 11th International Conference on Zebrafish Development and Genetics. Madison, WI. June 24-28, 2014.

**Dohn, TE**, Waxman, JS. *Coup-tf1a* acts downstream of RA signaling to restrict ventricular cell number in zebrafish. 1st Annual KOI Zebrafish Meeting. Cincinnati, OH. March 7, 2014.

**Dohn, TE,** Waxman, JS. *Coup-tf1a* acts downstream of RA signaling to promote pharyngeal muscle at the expense of ventricular cardiomyocytes in zebrafish. 51st Annual Midwest Society for Developmental Biology Conference. Saint Louis, MO. September 28, 2013.

**Dohn, TE,** Waxman, JS. *Coup-tf1a* acts downstream of RA signaling to restrict ventricular cell number in zebrafish. Weinstein Cardiovascular Conference. Tuscon, AZ. May 18, 2013.

**Dohn, TE,** Waxman, JS. *Coup-tf1a* acts downstream of RA signaling to predominantly restrict ventricular cell number in zebrafish. Heart Institute Research Retreat. Cincinnati, OH. September 24, 2012. 1st Place Graduate Poster.

**Dohn, TE,** Waxman, JS. *Coup-tf1a* acts downstream of RA signaling to predominantly restrict ventricular cell number in zebrafish. Molecular and Developmental Biology Graduate Student Symposium. Cincinnati, OH. August 23, 2012.

**Dohn, TE,** Waxman, JS. *Coup-tf1a* acts downstream of RA signaling to predominantly restrict ventricular cell number in zebrafish. 10th International Conference on Zebrafish Development and Genetics. Madison, WI. June 20, 2012.

**Dohn, TE,** Waxman, JS. *Coup-tf1a* acts downstream of RA signaling to predominantly restrict ventricular cell number in zebrafish. Society for Developmental Biology Midwest. Cincinnati, OH. May 11, 2012.

**Dohn, TE,** Waxman, JS. Distinct phases of Wnt/β-catenin signaling direct cardiomyocyte formation in zebrafish. Weinstein Cardiovascular Conference. Chicago, IL. May 5, 2012.

**Dohn, TE**, Waxman, JS. Distinct phases of Wnt/ß-catenin signaling direct cardiomyocyte formation in zebrafish. Heart Institute Research Retreat. Cincinnati, OH. September 12, 2011.

**Dohn, TE**, Waxman, JS. Distinct phases of Wnt/ß-catenin signaling direct cardiomyocyte formation in zebrafish. Society for Developmental Biology 70th Annual Meeting. Chicago, IL. July 24, 2011.

**Dohn, TE**, Waxman, JS. *Coup-tf1a* acts downstream of retinoic acid signaling to restrict heart chamber size in zebrafish. University of Cincinnati College of Medicine Graduate Student Research Forum. Cincinnati, OH. 2011.

**Dohn, TE**, Waxman, JS. *Coup-tf1a* acts downstream of retinoic acid signaling to restrict heart chamber size in zebrafish. Molecular and Developmental Biology Graduate Student Symposium. Cincinnati, OH. 2010.

**Dohn, T**., McWhorter, M. Role of Plexins in the development of motor neurons in zebrafish. *The Ohio Journal of Science.* Springfield, OH. 2009.

**Dohn, TE**; Tiggelaar, JM. Distribution of rocky intertidal zone gastropods *Nerita versicolor* and *N. peloronta* in sun and shade microhabitats on San Salvador, The Bahamas. *The Ohio Journal of Science.* 2007.