Claire de la Cova
University of Wisconsin Milwaukee, Dept. of Biological Sciences, PO Box 413, Milwaukee, WI 53201
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Nationality

U.S.A. citizen

Education

Ph.D. (May 2008) Dept. of Genetics and Development, Columbia University, New York, NY

M.Phil. (Oct 2003) Dept. of Genetics and Development, Columbia University, New York, NY

M.A. (Oct 2001) Dept. of Genetics and Development, Columbia University, New York, NY

B.A. (May 1999) Dept. of Biology, Macalester College, Saint Paul, MN

Appointments and Training Experiences

Assistant Professor, Aug 2018 – present
Dept. of Biological Sciences, University of Wisconsin Milwaukee, Milwaukee, WI

Postdoctoral research training, Sep 2008 – Aug 2018
Dept. of Biological Sciences, Columbia University, New York, NY
Research advisor: Dr. Iva Greenwald

Graduate research training, Sep 2000 – May 2008
Dept. of Genetics, Columbia University Medical Center, New York, NY
Thesis advisor: Dr. Laura Johnston
Thesis title: Control of Growth and Cell Competition by dMyc in *Drosophila melanogaster*. 2008.

Junior scientist (Technician), June 1999 – June 2000
Dept. of Cellular, Molecular, Developmental Biology and Genetics, University of Minnesota, Minneapolis, MN
Supervisors: Dr. Christopher Wylie and Dr. Janet Heasman

Undergraduate research training, June – Aug (Summer research) 1996 – 1999
HHMI undergraduate training program, Dept. of Biology, Macalester College, Saint Paul, MN
Advisors: Dr. Daphne Foreman and Dr. James Straka

Awards and Fellowships

Graduate training grant, Cell, Molecular and Developmental Biology NIH training grant awarded by competitive application, Institute of Cancer Genetics, Columbia University, 2002

Departmental honors, Biology, Macalester College, 1999

HHMI undergraduate training award, awarded by the Dept. of Biology, Macalester College, 1996

National Merit Scholarship, Macalester College, 1995

Teaching

Co-instructor, Spring 2018 and Spring 2017, for Genetics BIOL 3031, Dept. of Biological Sciences, Columbia University. I presented lectures and wrote the curriculum, homework, and exam for a three-week unit on bacteria and bacteriophage genetics in this undergraduate course.

Teaching Workshop, April – June 2016. I completed a 10-week active-learning practicum "Teaching 2.0: What you need to know to be a successful teacher" at Columbia University, New York, NY.

Teaching Assistant, Dept. of Biology, Macalester College, Saint Paul, MN. Sep – Dec 1998.

Teaching Assistant, Dept. of Biology, Macalester College, Saint Paul, MN. Jan – May 1998.

Professional Organizations

Genetics Society of America, Member

Publications

1. **de la Cova, C.**, Townley, R., Regot, S., and Greenwald, I. A real-time biosensor for ERK activity reveals signaling dynamics during *C. elegans* cell fate specification. Developmental Cell. 2017 Vol. 42(5):542-553. doi: 10.1016/j.devcel.2017.07.014. PMID: 28826819.
2. Meyer, S. N., Amoyel, M., Bergantiños, C., **de la Cova, C.,** Schertel, C., Basler, K., Johnston, L. A. An ancient defense system eliminates unfit cells from developing tissues during cell competition. Science. 2014 Vol. 346(6214):1258236. doi: 10.1126/science.1258236. PMID: 25477468.
3. **de la Cova, C.,** Senoo-Matsuda, N., Ziosi, M., Wu, D. C., Bellosta, P., Quinzii, C. M., Johnston, L. A. Supercompetitor status of Drosophila Myc cells requires p53 as a fitness sensor to reprogram metabolism and promote viability. Cell Metabolism. 2014 Vol. 19(3):470-483. doi: 10.1016/j.cmet.2014.01.012. PMID: 24561262.
4. **de la Cova, C.** and Greenwald, I. SEL-10/Fbw7-dependent negative feedback regulation of LIN-45/Braf signaling in C. elegans via a conserved phosphodegron. Genes and Development. 2012 Vol. 26(22):2524-2535. doi: 10.1101/gad.203703.112. PMID: 23154983.
5. **de la Cova, C.** and Johnston, L. A. Myc in model organisms: a view from the flyroom. Seminars in Cancer Biology. 2006 Vol. 16 (4): 303-312. doi: 10.1016/j.semcancer.2006.07.010. PMID: 16916612.
6. **de la Cova, C.,** Abril, M., Bellosta, P., Gallant, P., Johnston, L. A. Drosophila Myc regulates organ size by inducing cell competition. 2004 Cell. Vol. 117(1):107-116. PMID: 15066286.

Peer-selected public presentations (∗ = presenter)

1. **de la Cova, C∗.,** Townley, R., Regot, S., and Greenwald, I. A real-time biosensor for MPK-1/ERK activity reveals signaling dynamics during C. elegans cell fate specification. 21th International C. elegans Conference. 2017.
2. **de la Cova, C∗.,** Townley, R., Regot, S., and Greenwald, I. A real-time biosensor for ERK activity in multicellular organisms and its validation in C. elegans. New York Area Worm Meeting. 2017.
3. **de la Cova, C∗.** and Greenwald, I. The conserved kinases MPK-1, GSK-3, CDK-4 and CDK-2 promote LIN-45/Braf protein turnover in a dynamic spatial and temporal pattern. 20th International C. elegans Conference. 2015.
4. **de la Cova, C∗.** and Greenwald, I. Identification of SEL-10/Fbw7 substrates regulated in cell fate patterning events via a conserved phosphodegron motif. 19th International C. elegans Conference. 2013.
5. **de la Cova, C∗.** and Greenwald, I. The F-box protein SEL-10 inhibits signaling pathways critical for vulval development in C. elegans. 18th International C. elegans Conference. 2011.
6. **de la Cova, C∗.**, Abril, M., Bellosta, P., Gallant, P., and Johnston, L. A. Drosophila Myc regulates organ size by inducing cell competition. 45th Annual Drosophila Research Conference. 2004.

References

Available upon request.