Memorial Sloan Kettering Cancer Center

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Research Interests

I am interested in uncovering novel components of the mechanisms that drive morphogenesis during development. In particular, I hope to link what is currently known concerning global patterning systems in the early Drosophila embryo to planar cell polarity and ultimately to specific changes in cellular morphology.

Education and Training

2012-Present

Sloan Kettering Institute, Developmental Biology Program. Postdoctoral Research, Zallen Lab

2005-2011

University of California, San Diego, PhD in Biology. Doctoral Dissertation Research, McGinnis Lab

2003-2005

New York University, Department of Biology. Laboratory Manager / Technician, Small Lab

1999-2003

Cornell University, BS in Biology. Undergraduate Research, Ewer Lab

Publications

Lemons D, Paré A, and McGinnis W (in press) miRNAs from the Drosophila Hox complex have undetectable effects on the regulation of evolutionarily conserved Hox target genes. PLoS ONE.

Hsia C, Paré A, Hannon M, Ronshaugen M, and McGinnis W (2010) Silencing of an abdominal Hox gene during early development is correlated with limb development in a crustacean trunk. Evolution & Development 12(2), 131-43.

Paré A, Lemons D, Kosman D, Beaver W, Freund Y, and McGinnis W (2009) Visualization of individual Scr mRNAs during Drosophila embryogenesis yields evidence for transcriptional bursting. Current Biology 19, 2037-42.

Paré A,* Dean D,* and Ewer J (2009). Construction and characterization of deletions with defined endpoints in Drosophila using P elements in trans. Genetics 181, 53-63.

Oberstein A,* Paré A,* Kaplan L, and Small S (2005). Site-specific transgenesis by Cre-mediated recombination in Drosophila. Nature Methods 2(8), 583-5.

Ochoa-Espinosa A, Yucel G, Kaplan L, Paré A, Pura N, Oberstein A, Papatsenko D, and Small S (2005). The role of binding site cluster strength in Bicoid-dependent patterning in Drosophila. PNAS 102(14), 4960-5.

Clyde D, Corado M, Wu X, Paré A, Papatsenko D, and Small S (2003). A self-organizing system of repressor gradients establishes segmental complexity in Drosophila. Nature 426, 849-53.

* These authors contributed equally to this work.

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