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**Education and Training**

- Assistant Professor, Harvard Medical School, FM Kirby Neurobiology Center, Boston Children's Hospital, September 2014-Present
- Senior Research Fellow, Harvard Medical School, Department of Neurobiology, Rogulja Lab, 2013- 2014
- Postdoctoral Fellow, HHMI-The Rockefeller University, 2007-2013  
Mentor: Leslie Vosshall
- Ph.D. (Awarded with distinction), Columbia University, 2002-2007  
Mentor: Richard Mann
- Research Technician, HHMI-Rutgers University, 2001-2002  
Mentor: Kenneth Irvine
- B.S. in Biochemistry, University of Delaware 1996-2000  
Mentor: Bruce Gomes (AstraZeneca Pharmaceuticals)

**Awards**

- 2017 Avenir award (NIH, DP1)
- 2017 Pew Biomedical Scholars Award
- 2016 Whitehall Foundation Award
- 2015 Harvard Brain Initiative Bipolar Disorder Award
- 2015 Smith Family Award for Excellence in Biomedical Research
- 2009 Grand Prize Winner, GE & Science Prize for Young Life Scientists
- 2009 Helen Hay Whitney Postdoctoral Fellowship
- 2008 1st Runner-up, Larry Sandler Award for most outstanding thesis in *Drosophila*
- 2007 Harold M. Weintraub Graduate Student Award
- 2007 Marco Stoffel Mind, Brain, and Behavior Postdoctoral Fellowship (Rockefeller University)

**Research Papers**

Thornquist SC, Langer K, Zhang SX, Rogulja D, **Crickmore MA**  
CaMKII Measures the Passage of Time to Coordinate Behavior and Motivational State.  
Neuron. 2020 Jan 22;105(2):334-345

Thornquist SC, **Crickmore MA**  
Comment on "Cultural flies: Conformist social learning in fruitflies predicts long-lasting mate-choice traditions".  
Science. 2019 Oct 11;366(6462)

Zhang SX, Rogulja D, **Crickmore MA**  
Recurrent Circuitry Sustains *Drosophila* Courtship Drive While Priming Itself for Satiety.  
Current Biology. 2019 Oct 7;29(19):3216-3228

Zhang SX, Miner LE, Boutros CL, Rogulja D, **Crickmore MA**  
Motivation, perception, and chance converge to make a binary decision  
Neuron. 2018 Jul 25;99(2):376-388

Zhang SX, Rogulja D and **Crickmore MA**  
Dopaminergic circuitry underlying mating drive  
Neuron. 2016 Jul 6;91(1):168-81

**Crickmore MA** and Vosshall LB  
Opposing dopaminergic and GABAergic neurons control copulation duration and persistence in *Drosophila*  
Cell. 2013 Nov 7;155(4):881-93

**Crickmore MA**, Ranade V, Mann RS  
Regulation of Ubx expression by epigenetic enhancer silencing in response to Ubx levels and genetic variation  
PLoS Genet. 2009 Sep;5(9):e1000633

Joshi R, Passner JM, Rohs R, Jain R, Sosinsky A, **Crickmore MA**, Jacob V, Aggarwal AK, Honig B and Mann RS  
Functional specificity of a Hox protein mediated by the recognition of minor groove structure  
Cell. 2007 Nov 2;131(3):530-43

**Crickmore MA** and Mann RS  
Hox control of morphogen mobility and organ development through regulation of glypican expression  
Development. 2007 Jan;134(2):327-34

**Crickmore MA** and Mann RS  
Hox control of organ size by regulation of morphogen production and mobility  
Science. 2006 Jul 7;313(5783):63-8

**Invited Reviews**

Titos I, **Crickmore MA**, and Rogulja D

Suppressing one drive for a chance to satisfy another  
Current Biology. 2016 Apr 25;26(8):1126

**Crickmore M** and Mann RS  
A new chisel for sculpting Darwin's endless forms  
Nature Cell Biology. 2010 Jun;12(6):528-529

**Crickmore MA**  
The molecular basis of size differences  
Science. 2009 Dec 4;326(5958):1360-1361

**Crickmore MA** and Mann RS  
The control of size in animals: insights from selector genes  
Bioessays. 2008 Sep;30:843-853