

Peer Reviewed Journal Articles:

1) Catrina IE*, Molla L*, Cammarata J, McLaughlin J, Johnson L and **Bratu DP. 2012** 'Loss of RNAi protein Armitage in the germline vs. soma delineates its requirement during *Drosophila melanogaster* oocyte development' (*equal contribution),
to be submitted

2) Catrina IE, Marras SAE and **Bratu DP. 2012** 'Tiny molecular beacons: LNA/2'-O-methyl RNA chimeric probes for imaging dynamic mRNA processes in living cells',
ASC Chemical Biology
7(9); 1586-95
.
PMID: 22738327

3) Mhlanga MM*, **Bratu DP***, Genovesio A, Rybarska A, Chenouard N, Nehrbass U and Olivo-Marin JC. **2009**

'*In vivo* colocalisation of *oskar* mRNA and *trans*-acting proteins revealed by quantitative imaging of the *Drosophila* oocyte' *PLoS One*
4(7): e6241. (*equal contribution) PMID: 19597554

4) Klattenhoff C, **Bratu DP**, McGinnis-Schultz N, Koppetsch BS, Cook HA and Theurkauf WE. **2007**

Drosophila

rasiRNA pathway mutations disrupt embryonic axis specification through activation of an ATR/Chk2 DNA damage response'

Developmental Cell

12, 45-55. PMID: 17199040

5) Theurkauf WE, Klattenhoff C, **Bratu DP**, McGinnis-Schultz N, Koppetsch BS and Cook HA. **2006**

'rasiRNAs, DNA Damage, and Embryonic Axis Specification'

Cold Spring Harbor Symposia Quant Biol.

71, 171-80. PMID: 17381294

6) Forstemann K, Tomari Y, Du T, Vagin VV, Denli AM, **Bratu DP**, Klattenhoff C, Theurkauf WE, and

Zamore PD. **2005** 'Normal microRNA maturation and germ-line stem cell maintenance requires Loquacious, a double-stranded RNA-binding domain protein',

oS Biology

Vol. 3(7), e236, pages 1187-1201.

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PMID: 15918770

7) **Bratu DP. 2003** 'Molecular beacons light the way: Imaging native mRNAs in living cells',
Discovery Medicine Vol. 3(19), pages 44-47. PMID: 20705038

8) **Bratu DP**, Cha B-J, Mhlanga MM, Kramer FR, and Tyagi S. **2003** 'Visualizing the distribution and transport of mRNAs in living cells',
PNAS USA
Vol. 100 (23), pages 13308-13. PMID: 14583593

9) Tyagi S, **Bratu DP**, and Kramer FR. **1998** 'Multicolor molecular beacons for allele discrimination',
Nature Biotechnology Vol. 16, pages 49-53. PMID: 9447593

Invited Book Chapters:

1) **Bratu DP**, Catrina IE, Marras SAE. **2011** 'Tiny molecular beacons for *in vivo* detection of mRNAs',
RNA Detection and Visualization: Methods and Protocols, *Methods in Molecular Biology*,
Humana Press,

Vol.714, Part 2, 141-157. PMID: 21431739

2) **Bratu DP. 2003** 'Molecular beacons: fluorescent probes for detection of endogenous mRNAs in living cells',

Cell Imaging Techniques: Methods and Protocols, *Methods in Molecular Biology*, Humana Press, Vol. 319, 1-14 PMID: 16719348