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## FOR THE MEDIA



### Dissertation

[Structural and Functional Characterization of the RNA Exosome from \*S. cerevisiae\* \(2015\)](#)

### Mentor

[Christopher D. Lima, PhD](#)

### Start Year

2008

## End Year

2016

## Education

Cornell University

## Publications

[Bose R, Karthaus WR, Armenia J, Abida W, Iaquinta PJ, Zhang Z, Wongvipat J, Wasmuth EV, Shah N, Sullivan PS, Doran MG, Wang P, Patruno A, Zhao Y, International SU2C/PCF Prostate Cancer Dream Team, Zheng D, Schultz N, Sawyers CL. \(2017\) ERF mutations reveal a balance of ETS factors controlling prostate oncogenesis. \*Nature\* 546, 671-675. PMCID: PMC5576182 \[Available on 2018-06-29\]](#)

[Wasmuth EV, Zinder JC, Zattas D, Das M, Lima CD. \(2017\) Structure and reconstitution of yeast Mpp6-nuclear exosome complexes reveals that Mpp6 stimulates RNA decay and recruits the Mtr4 helicase. \*Elife\* 6, pii: e29062. PMCID: PMC5553935](#)

[Wasmuth EV, Lima CD. \(2017\) The Rrp6 C-terminal domain binds RNA and activates the nuclear RNA exosome. \*Nucleic Acids Res.\* 45, 846-860. PMCID: PMC5314766](#)

[Zinder JC, Wasmuth EV, Lima CD. \(2016\) Nuclear RNA Exosome at 3.1 Å Reveals Substrate Specificities, RNA Paths, and Allosteric Inhibition of Rrp44/Dis3. \*Mol Cell.\* 64, 734-745. PMCID: PMC5115963](#)

[Wasmuth E, Januszyk K, Lima C. \(2014\) Structure of an Rrp6-RNA exosome complex bound to polyA RNA. \*Nature\* 511, 435-9. PMCID: PMC4310248.](#)

[Wasmuth E, Lima C. \(2012\) Exo- and endoribonucleolytic activities of yeast cytoplasmic and nuclear RNA exosomes are dependent on the noncatalytic core and central channel. \*Mol Cell.\* 48, 133-144. PMCID: PMC3472098.](#)

[Wasmuth E, Lima C. \(2012\) Structure and activities of the eukaryotic RNA exosome. Chapter in the book "The Enzymes" 31, 53-75. ISBN: 18746047. Publisher: Elsevier, Editors: Guillaume F. Chanfreau, Fuyuhiko Tamanoi.](#)

[View a full listing of Elizabeth Wasmuth's journal articles.](#)

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