

Stanford



Albert Hinman

Ph.D. Student in Genetics, admitted Autumn 2015

Bio

BIO

Albert is a Genetics PhD candidate in Dr. Anne Villeneuve's laboratory at Stanford University. His thesis work investigates the mechanisms underlying double-strand break initiation in meiotic recombination using genomic sequencing, fluorescence microscopy, molecular biology, nematode culturing, and classical genetics. Outside of lab, he devotes time to education, mentoring, diversity-advocacy, policy, and science outreach.

HONORS AND AWARDS

- Arthur Buikema & M. Alison Galway Outstanding Senior Award, Department of Biological Sciences, Virginia Tech (May 2015)
- Stanford School of Medicine Blavatnik Fellow, Blavatnik Family Fellowship Fund (2017-Present)
- Mason Case Graduate Fellow, Stanford University School of Medicine (2015-Present)
- NIH IMSD Scholar, Virginia Tech (2013-2015)
- NSF REU Fellow, Vanderbilt University & University of North Carolina at Chapel Hill (2012, 2014)

MEMBERSHIP ORGANIZATIONS

- Stanford Science Policy Group, Officer
- Society for the Advancement of Chicanos & Native Americans in Science Chapter at Stanford, Cofounder, Secretary (2017), President (2018)

EDUCATION AND CERTIFICATIONS

- BS, Virginia Tech , Biological Sciences (2015)
- BS, Virginia Tech , Nanoscience (2015)

STANFORD ADVISORS

- Anne Villeneuve, Doctoral Dissertation Advisor (AC)
- Joseph Lipsick, Doctoral Dissertation Reader (AC)
- Andrew Fire, Doctoral Dissertation Reader (AC)
- Tim Stearns, Doctoral Dissertation Reader (AC)
- Alistair Boettiger, Doctoral Dissertation Reader (AC)

LINKS

- LinkedIn Homepage: <https://www.linkedin.com/in/alberthinman>

Publications

PUBLICATIONS

- **Aurora A Kinase Contributes to a Pole-Based Error Correction Pathway** *CURRENT BIOLOGY*
Ye, A. A., Deretic, J., Hoel, C. M., Hinman, A. W., Cimini, D., Welburn, J. P., Maresca, T. J.
2015; 25 (14): 1842-1851
- **Single-Cell Analysis Reveals that Chronic Silver Nanoparticle Exposure Induces Cell Division Defects in Human Epithelial Cells.** *International journal of environmental research and public health*
Garcia, E. B., Alms, C., Hinman, A. W., Kelly, C., Smith, A., Vance, M., Loncarek, J., Marr, L. C., Cimini, D.
2019; 16 (11)
- **Chromosomes missegregated into micronuclei contribute to chromosomal instability by missegregating at the next division** *Oncotarget*
He, B., Gnawali, N., Hinman, A. W., Mattingly, A. J., Osimani, A., Cimini, D.
2019: 2660-2674
- **The Drosophila LIN54 homolog Mip120 controls two aspects of oogenesis.** *Biology open*
Cheng, M. H., Andrejka, L., Vorster, P. J., Hinman, A., Lipsick, J. S.
2017