

CURRICULUM VITAE

Anna Wood

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Contact Information:

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School: Yale School of Medicine

Education:

08/2014 - 05/2018 BS, Washington State University, Cell Biology and Genetics, Pullman, WA
09/2020 - 05/2025 PhD, Cornell University, Biochemistry, Molecular, and Cell Biology, Ithaca, NY

Career/Academic Appointments:

08/2016 - 05/2018 Undergraduate Research Assistant, School of Molecular Biology, Washington State University, Pullman, WA
07/2018 - 07/2020 Research Technician , Basic Sciences, Fred Hutchinson Cancer Research Center, Seattle, WA
08/2020 - 05/2025 Graduate Student, Molecular Biology and Genetics, Cornell University, Ithaca, NY
08/2025 - 07/2026 Postdoctoral Associate, Molecular Biophysics and Biochemistry, Yale School of Medicine, New Haven, CT

Invited Speaking Engagements, Presentations & Workshops Not Affiliated With Yale:

International/National

1. "Elucidating the function of CNTD1 in mammalian oogenesis". EMBO Meiosis, Pamhagen, Burgenland, June 2023. (Poster Presentation)
2. "Elucidating the function of CNTD1 in mammalian oogenesis". Society for the Study of Reproduction, Ottawa, ON, July 2023. (Poster Presentation)
3. "Interrogating the function of Replication Factor C-like complexes in Mammalian Prophase I". FASEB Genetic Recombination and Genome Rearrangements, Tucson, AZ, July 2024. (Poster Presentation)

Regional

1. "Elucidating the function of CNTD1 in mammalian reproduction". Tri-Institute Reproductive Biology Conference, Ithaca, NY, April 2023. (Poster Presentation)
2. "Cyclin N-Terminal Domain Containing-1 coordinates meiotic crossovers in mammalian oocytes". Tri-Institute Reproductive Biology Conference, Pittsburgh, PA, May 2024. (Poster Presentation)
3. "CNTD1 plays crucial roles in prophase I progression and crossover designation during female meiosis and is critical for establishing the ovarian reserve". Tri-Institute Reproductive Biology Conference, Philadelphia, PA, April 2025. (Poster Presentation)

Professional Service:

Public Service / Media Presence

Public Service

2016 - 2018	Mentor, Washington State University, Molecular Biosciences Club
2021 - 2023	Mentor, Cornell University, Science Technology Entry Program-Upward Bound (STEP-UP)
2021 - 2025	Mentor, Cornell University, Graduate Students Mentoring Undergraduates (GSMU)
2021 - 2025	Mentor, Cornell University, Undergraduate Research Mentor

Bibliography:

Peer-Reviewed Original Research

1. Molaro A, Wood AJ, Janssens D, Kindelay SM, Eickbush MT, Wu S, Singh P, Muller CH, Henikoff S, Malik HS. Biparental contributions of the H2A.B histone variant control embryonic development in mice. PLoS Biol 2020, 18: e3001001. [PMID: 33362208](#), DOI: 10.1371/journal.pbio.3001001.
2. Hassold T, Maylor-Hagen H, Wood A, Gruhn J, Hoffmann E, Broman KW, Hunt P. Failure to recombine is a common feature of human oogenesis. Am J Hum Genet 2021, 108: 16-24. [PMID: 33306948](#), DOI: 10.1016/j.ajhg.2020.11.010.
3. Mertz TM, Rice-Reynolds E, Nguyen L, Wood A, Cordero C, Bray N, Harcy V, Vyas RK, Mitchell D, Lobachev K, Roberts SA. Genetic inhibitors of APOBEC3B-induced mutagenesis. Genome Res 2023, 33: 1568-1581. [PMID: 37532520](#), DOI: 10.1101/gr.277430.122.
4. Wood AJ, Ahmed RM, Simon LE, Bradley RA, Gray S, Wolff ID, Cohen PE. CNTD1 is crucial for crossover formation in female meiosis and for establishing the ovarian reserve. J Cell Biol 2025, 224 [PMID: 40488668](#), DOI: 10.1083/jcb.202401021.