

Stanford

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Postdoctoral Research Fellow, Stem Cell Transplantation

Bio

PROFESSIONAL EDUCATION

- Bachelor of Science, Peking University (2008)
- Doctor of Philosophy, Pennsylvania State University (2014)

Publications

PUBLICATIONS

- **Uridine monophosphate synthetase enables eukaryotic de novo NAD⁺ biosynthesis from quinolinic acid.** *journal of biological chemistry*
Mcreynolds, M. R., Wang, W., Holleran, L. M., Hanna-Rose, W.
2017
- **Comparative Metabolomic Profiling Reveals That Dysregulated Glycolysis Stemming from Lack of Salvage NAD(+) Biosynthesis Impairs Reproductive Development in Caenorhabditis elegans** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Wang, W., Mcreynolds, M. R., Goncalves, J. F., Shu, M., Dhondt, I., Braeckman, B. P., Lange, S. E., Kho, K., Detwiler, A. C., Pacella, M. J., Hanna-Rose, W.
2015; 290 (43): 26163-26179
- **An NAD(+) Biosynthetic Pathway Enzyme Functions Cell Non-Autonomously in C. elegans Development** *DEVELOPMENTAL DYNAMICS*
Crook, M., Mcreynolds, M. R., Wang, W., Hanna-Rose, W.
2014; 243 (8): 965-976
- **Muscle type-specific responses to NAD(+) salvage biosynthesis promote muscle function in Caenorhabditis elegans** *DEVELOPMENTAL BIOLOGY*
Vrablik, T. L., Wang, W., Upadhyay, A., Hanna-Rose, W.
2011; 349 (2): 387-394
- **Ce-wts-1 plays important roles in Caenorhabditis elegans development** *FEBS LETTERS*
Cai, Q., Wang, W., Gao, Y., Yang, Y., Zhu, Z., Fan, Q.
2009; 583 (19): 3158-3164