

Stanford



Colwyn Headley

Postdoctoral Scholar, Cardiovascular Medicine

NIH Biosketch available Online

Bio

STANFORD ADVISORS

- Philip Tsao, Postdoctoral Faculty Sponsor

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiovascular Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Unlocking the power of virtual networking for early-career researchers.** *eLife*
Hayes, C. A., Moore, J. T., Headley, C. A., Berrios-Negron, A. L., Lambert, W. M.
2024; 13
- **Mitochondrial Transplantation promotes protective effector and memory CD4+ T cell response during *Mycobacterium tuberculosis* infection and diminishes exhaustion and senescence in elderly CD4+ T cells.** *bioRxiv : the preprint server for biology*
Headley, C. A., Gautam, S., Olmo-Fontanez, A., Garcia-Vilanova, A., Dwivedi, V., Schami, A., Weintraub, S., Tsao, P. S., Torrelles, J. B., Turner, J.
2024
- **Extracellular Delivery of Functional Mitochondria Rescues the Dysfunction of CD4+T Cells in Aging.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*
Headley, C. A., Gautam, S., Olmo-Fontanez, A., Garcia-Vilanova, A., Dwivedi, V., Akhter, A., Schami, A., Chiem, K., Ault, R., Zhang, H., Cai, H., Whigham, A., Delgado, et al
2023: e2303664
- **Diversity, Equity and Inclusion in the Laboratory: Strategies to Enhance Inclusive Laboratory Culture.** *Molecular cell*
Marshall, A. G., Vue, Z., Beasley, H. K., Neikirk, K., Stephens, D., Wanjalla, C. N., Damo, S. M., Trejo, J., Rodriguez-Aliaga, P., Headley, C. A., Shuler, H., Liu, K., Smith, et al
2023; 83 (21): 3766-3772
- **Genome-wide association meta-analysis identifies risk loci for abdominal aortic aneurysm and highlights PCSK9 as a therapeutic target** *NATURE GENETICS*
Roychowdhury, T., Klarin, D., Levin, M. G., Spin, J. M., Rhee, Y., Deng, A., Headley, C. A., Tsao, N. L., Gellatly, C., Zuber, V., Shen, F., Hornsby, W. E., Laursen, et al
2023
- **Genome-wide association meta-analysis identifies risk loci for abdominal aortic aneurysm and highlights PCSK9 as a therapeutic target.** *Nature genetics*
Roychowdhury, T., Klarin, D., Levin, M. G., Spin, J. M., Rhee, Y. H., Deng, A., Headley, C. A., Tsao, N. L., Gellatly, C., Zuber, V., Shen, F., Hornsby, W. E., Laursen, et al
2023

- **IL-10 Modulation Increases Pyrazinamide's Antimycobacterial Efficacy against *Mycobacterium tuberculosis* Infection in Mice.** *ImmunoHorizons*
Dwivedi, V., Gautam, S., Beamer, G., Stromberg, P. C., Headley, C. A., Turner, J.
2023; 7 (6): 412-420
- **Building the case for mitochondrial transplantation as an anti-aging cardiovascular therapy.** *Frontiers in cardiovascular medicine*
Headley, C. A., Tsao, P. S.
2023; 10: 1141124
- **A Practical Guide to Graduate School Interviewing for Historically Excluded Individuals.** *American journal of physiology. Heart and circulatory physiology*
Ransey, E., Brookens, S., Beasley, H. K., Marshall, A., Marlin, B. J., Rodriguez-Aliaga, P., Headley, C. A., Wanjalla, C., Vazquez, A. D., Murray, S., Damo, S., Taabazuing, C. Y., Hinton, et al
2023
- **IL-10 Receptor Blockade Delivered Simultaneously with *Bacillus Calmette-Guerin* Vaccination Sustains Long-Term Protection against *Mycobacterium tuberculosis* Infection in Mice.** *Journal of immunology (Baltimore, Md. : 1950)*
Dwivedi, V., Gautam, S., Headley, C. A., Piergallini, T., Torrelles, J. B., Turner, J.
2022
- **Local immune responses to tuberculin skin challenge in *Mycobacterium bovis* BCG-vaccinated baboons: a pilot study of younger and older animals** *IMMUNITY & AGEING*
Scordo, J. M., Piergallini, T. J., Reuter, N., Headley, C. A., Hodara, V. L., Gonzalez, O., Giavedoni, L. D., Papin, J. F., Turner, J.
2021; 18 (1): 16
- **Lethality of SARS-CoV-2 infection in K18 human angiotensin-converting enzyme 2 transgenic mice** *NATURE COMMUNICATIONS*
Oladunni, F. S., Park, J., Pino, P. A., Gonzalez, O., Akhter, A., Allue-Guardia, A., Olmo-Fontanez, A., Gautam, S., Garcia-Vilanova, A., Ye, C., Chiem, K., Headley, C., Dwivedi, et al
2020; 11 (1): 6122
- **Blood RNA signatures predict recent tuberculosis exposure in mice, macaques and humans** *SCIENTIFIC REPORTS*
Ault, R. C., Headley, C. A., Hare, A. E., Carruthers, B. J., Mejias, A., Turner, J.
2020; 10 (1): 16873
- **The role of old age on *Mycobacterium bovis* BCG vaccine-induced tissue immunity**
Scordo, J. M., Piergallini, T. J., Headley, C. A., Hodara, V., Reuter, N., Papin, J. F., Turner, J.
AMER ASSOC IMMUNOLOGISTS.2020
- **Membrane-specific spin trap, 5-dodecylcarbamoyl-5-N-dodecylacetamide-1-pyroline-N-oxide (diC(12)PO): theoretical, bioorthogonal fluorescence imaging and EPR studies** *ORGANIC & BIOMOLECULAR CHEMISTRY*
Headley, C. A., Hoffman, C. N., Freisen, J. M., Han, Y., Macklin, J. M., Zweier, J. L., Rockenbauer, A., Kuret, J., Villamena, F. A.
2019; 17 (33): 7694-7705
- **Aging heart and infection** *AGING-US*
Headley, C., Turner, J., Rajaram, M. S.
2019; 11 (14): 4781-4782
- **Nontuberculous mycobacterium *M. avium* infection predisposes aged mice to cardiac abnormalities and inflammation** *AGING CELL*
Headley, C. A., Gerberick, A., Mehta, S., Wu, Q., Yu, L., Fadda, P., Khan, M., Ganesan, L., Turner, J., Rajaram, M. S.
2019; 18 (3): e12926
- **Similarities and differences between porcine mandibular and limb bone marrow mesenchymal stem cells** *ARCHIVES OF ORAL BIOLOGY*
Lloyd, B., Tee, B., Headley, C., Emam, H., Mallory, S., Sun, Z.
2017; 77: 1-11
- **Nitrones reverse hyperglycemia-induced endothelial dysfunction in bovine aortic endothelial cells** *BIOCHEMICAL PHARMACOLOGY*
Headley, C. A., DiSilvestro, D., Bryant, K. E., Hemann, C., Chen, C., Das, A., Ziouzenkova, O., Durand, G., Villamena, F. A.
2016; 104: 108-117
- **Selected hydroxycoumarins as antioxidants in cells: physicochemical and reactive oxygen species scavenging studies** *JOURNAL OF PHYSICAL ORGANIC CHEMISTRY*
Perez-Cruz, F., Villamena, F. A., Zapata-Torres, G., Das, A., Headley, C. A., Quezada, E., Lopez-Alarcon, C., Olea-Azar, C.

