

# Stanford

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## Paras Minhas

- MD Student, expected graduation Spring 2024
- Ph.D. Student in Neurosciences, admitted Summer 2015
- MSTP Student

### Bio

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#### LINKS

- Andreasson Lab: <http://neurology.stanford.edu/labs/andreassonlab/>
- Longitude Pittsburgh Organization: [Longitudepittsburgh.org](http://Longitudepittsburgh.org)

### Research & Scholarship

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#### LAB AFFILIATIONS

- Katrin Andreasson, Andreasson Lab (6/23/2014)

### Publications

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#### PUBLICATIONS

- **A mitochondrial membrane-bridging machinery mediates signal transduction of intramitochondrial oxidation.** *Nature metabolism*  
Li, L., Conradson, D. M., Bharat, V., Kim, M. J., Hsieh, C., Minhas, P. S., Papakyrikos, A. M., Durairaj, A. S., Ludlam, A., Andreasson, K. I., Partridge, L., Cianfrocco, M. A., Wang, et al  
2021
- **On the promise of glycogen phosphorylase inhibition in acute inflammation** *EUROPEAN JOURNAL OF INFLAMMATION*  
Durairaj, A., Minhas, P.  
2021; 19
- **Restoring metabolism of myeloid cells reverses cognitive decline in ageing.** *Nature*  
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- **The Dueling Duo: IL10 and TNF Face Off in Microglial Recovery from Endotoxin Challenge.** *Immunity*  
Minhas, P. S., Durairaj, A. S., Andreasson, K. I.  
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- **Mitochondrial dysfunction mediated through dynamin-related protein 1 (Drp1) propagates impairment in blood brain barrier in septic encephalopathy.** *Journal of neuroinflammation*  
Haileselassie, B. n., Joshi, A. U., Minhas, P. S., Mukherjee, R. n., Andreasson, K. I., Mochly-Rosen, D. n.  
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- **Soluble TREM2 is elevated in Parkinson's disease subgroups with increased CSF tau.** *Brain : a journal of neurology*  
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2020

- **Author Correction: Fragmented mitochondria released from microglia trigger A1 astrocytic response and propagate inflammatory neurodegeneration.** *Nature neuroscience*  
Joshi, A. U., Minhas, P. S., Liddelow, S. A., Haileselassie, B. n., Andreasson, K. I., Dorn, G. W., Mochly-Rosen, D. n.  
2020
- **In Regard to Okonogi et al.** *International journal of radiation oncology, biology, physics*  
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- **Revisiting IDO and its value as a predictive marker for anti-PD-1 resistance.** *Journal of translational medicine*  
Moon, P. K., Tran, S., Minhas, P. S.  
2019; 17 (1): 31
- **Therapeutic strategies for diffuse midline glioma from high-throughput combination drug screening.** *Science translational medicine*  
Lin, G. L., Wilson, K. M., Cerbelli, M. n., Stanton, B. Z., Woo, P. J., Kreimer, S. n., Qin, E. Y., Zhang, X. n., Lennon, J. n., Nagaraja, S. n., Morris, P. J., Quezada, M. n., Gillespie, et al  
2019; 11 (519)
- **Aldehyde dehydrogenase 2 activity and aldehydic load contribute to neuroinflammation and Alzheimer's disease related pathology.** *Acta neuropathologica communications*  
Joshi, A. U., Van Wassenhove, L. D., Logas, K. R., Minhas, P. S., Andreasson, K. I., Weinberg, K. I., Chen, C. H., Mochly-Rosen, D. n.  
2019; 7 (1): 190
- **Fragmented mitochondria released from microglia trigger A1 astrocytic response and propagate inflammatory neurodegeneration.** *Nature neuroscience*  
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- **Peripheral TREM1 responses to brain and intestinal immunogens amplify stroke severity** *Nature Immunology*  
Liu, Q., Johnson, E., et al  
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- **Macrophage de novo NAD+ synthesis specifies immune function in aging and inflammation.** *Nature immunology*  
Minhas, P. S., Liu, L., Moon, P. K., Joshi, A. U., Dove, C., Mhatre, S., Contrepois, K., Wang, Q., Lee, B. A., Coronado, M., Bernstein, D., Snyder, M. P., Migaud, et al  
2018
- **Reexamining IFN-gamma Stimulation of De Novo NAD+ in Monocyte-Derived Macrophages.** *International journal of tryptophan research : IJTR*  
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2018; 11: 1178646918773067
- **Reevaluating the role of IDO1: Examining NAD+ metabolism in inflammation.** *Journal of neuroimmunology*  
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- **Passport to pathology: transforming the medical student pathology elective from a passive educational experience to an exciting, immersive clinical rotation.** *Human pathology*  
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2017; 68: 34–39
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Moon, P. K., Minhas, P. S.  
2017; 307: 31-32
- **Teasing apart NAD(+) metabolism in inflammation: commentary on Zhou et al. (2016). Br J Pharmacol 173: 2352-2368.** *British journal of pharmacology*  
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- **Immersion medicine programme for secondary students.** *The clinical teacher*  
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- **Histone deacetylase 3 associates with MeCP2 to regulate FOXO and social behavior.** *Nature neuroscience*  
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- **Cyclooxygenase inhibition targets neurons to prevent early behavioural decline in Alzheimer's disease model mice** *BRAIN*  
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2016; 139: 2063-2081
  
- **Neuropathology: bridging psychiatry and neurology in medical education.** *The lancet. Psychiatry*  
Minhas, P., Chu, Y., Mata, D. A.  
2016; 3 (2): 98-100
  
- **Modulation of mitochondrial complex I activity averts cognitive decline in multiple animal models of familial Alzheimer's Disease.** *EBioMedicine*  
Zhang, L., Zhang, S., Maezawa, I., Trushin, S., Minhas, P., Pinto, M., Jin, L. W., Prasain, K., Nguyen, T. D., Yamazaki, Y., Kanekiyo, T., Bu, G., Gateno, et al  
2015; 2 (4): 294-305
  
- **The effects of passive and active learning on student preference and performance in an undergraduate basic science course** *ANATOMICAL SCIENCES EDUCATION*  
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- **Risk factors for positive admission surveillance cultures for methicillin-resistant Staphylococcus aureus and vancomycin-resistant enterococci in a neurocritical care unit** *CRITICAL CARE MEDICINE*  
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