Stanford



Grzegorz Walkiewicz

Postdoctoral Scholar, Ophthalmology

CONTACT INFORMATION

- **Alternate Contact**

  Grzegorz Walkiewicz

  Email gregory.walkiewicz@gmail.com

Bio

BIO

Grzegorz (Greg) Walkiewicz, PhD, is a neuroscientist with a strong background in retinal and neurodegenerative disease research. He completed his PhD at KU Leuven (Belgium), focusing on tau pathology and Alzheimer's disease. His research explores the connection between brain and eye pathology, with particular interest in pTau, Aβ, and microglial activation. He has worked extensively with transgenic mouse models as well as human brain and retinal tissues. He recently joined Stanford University to investigate INPP5K-related mechanisms in retinal ganglion cell degeneration.

STANFORD ADVISORS

- Yang Sun, Postdoctoral Faculty Sponsor

LINKS

- LinkedIn: https://www.linkedin.com/in/greg-walkiewicz/
- The Sun Lab: https://med.stanford.edu/sunlab.html

Publications

PUBLICATIONS

- **TIGRa: An ultra-compact programmable activator enabling multiplexed and efficient gene regulation.** *Cell stem cell*

  Liu, Z., Chen, S., Wang, W., Zhang, F., Wang, Q., Walkiewicz, G., Hossen, F., Zhou, J., Wang, Y., Sun, Y.

  2026

- **Circulating Brain-Related miRNAs as Predictors of Postoperative Delirium in Cardiac Surgery Patients.** *International journal of molecular sciences*

  Nowakowska, K., Walkiewicz, G., Stec-Martyna, E., Kulczycka-Wojdala, D., Frankowska, E., Miler, P., Pawlak, A., Woźniak, K., Krejca, M., Wilczyński, M., Kazmierski, J.

  2025; 26 (18)

- **pTau pathology in the retina of TAU58 mice: association with ganglion cell degeneration and implications on seeding and propagation of pTau from human brain lysates** *ACTA NEUROPATHOLOGICA COMMUNICATIONS*

  Walkiewicz, G., Ronisz, A., Ospitalieri, S., Tsaka, G., Tome, S. O., Vandenberghe, R., von Arnim, C. A. F., Rousseau, F., Schymkowitz, J., De Groef, L., Thal, D.

  2024; 12 (1): 194

- **Primary retinal tauopathy: A tauopathy with a distinct molecular pattern** *ALZHEIMERS & DEMENTIA*
  Walkiewicz, G., Ronisz, A., Van Ginderdeuren, R., Lemmens, S., Bouwman, F. H., Hoozemans, J. J. M., Morrema, T. H. J., Rozemuller, A. J., Hart de Ruyter, F. J., De Groef, L., Stalmans, I., Thal, D.
  2024; 20 (1): 330-340

- **Increased postoperative myeloperoxidase concentration associated with low baseline antioxidant capacity as the risk factor of delirium after cardiac surgery** *ANNALS OF MEDICINE*
  Kazmierski, J., Miler, P., Pawlak, A., Jerczynska, H., Nowakowska, K., Walkiewicz, G., Wozniak, K., Krejca, M., Wilczynski, M.
  2022; 54 (1): 610-616

- **The effect of drugs used in allergic rhinitis on the central nervous system** *ALERGOLOGIA POLSKA-POLISH JOURNAL OF ALLERGOLOGY*
  Walkiewicz, G., Jankowska, M., Pawliczak, R.
  2020; 7 (4): 190-196

- **Allergic rhinitis and central nervous system disorders** *ALERGOLOGIA POLSKA-POLISH JOURNAL OF ALLERGOLOGY*
  Walkiewicz, G., Sobolczyk, M., Pawliczak, R.
  2020; 7 (2): 88-92