

Martin Neukam

Postdoctoral Scholar, Developmental Biology

Bio

HONORS AND AWARDS

- Breakthrough T1D (formerly JDRF) Postdoctoral Fellowship, Breakthrough T1D (formerly Juvenile Diabetes Research Foundation, JDRF) (04/2024)
- Walter V. and Idun Berry Postdoctoral Fellowship, Berry Foundation (09/2023-03/2024)

STANFORD ADVISORS

- Seung Kim, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Purification of time-resolved insulin granules reveals proteomic and lipidomic changes during granule aging.** *Cell reports*
Neukam, M., Sala, P., Brunner, A., GanSS, K., Palladini, A., Grzybek, M., Topcheva, O., Vasiljevic, J., Broichhagen, J., Johnsson, K., Kurth, T., Mann, M., Coskun, et al
2024; 43 (3): 113836
- **RFX6 maintains gene expression and function of adult human islet α cells.** *Diabetes*
Coykendall, V. M., Qian, M. F., Tellez, K., Bautista, A., Bevacqua, R. J., Gu, X., Hang, Y., Neukam, M., Zhao, W., Chang, C., MacDonald, P. E., Kim, S. K.
2023
- **Sequential in vivo labeling of insulin secretory granule pools in INS-SNAP transgenic pigs.** *Proceedings of the National Academy of Sciences of the United States of America*
Kemter, E., Müller, A., Neukam, M., Ivanova, A., Klymiuk, N., Renner, S., Yang, K., Broichhagen, J., Kurome, M., Zakhartchenko, V., Kessler, B., Knoch, K. P., Bickle, et al
2021; 118 (37)
- **Atp6ap2 deletion causes extensive vacuolation that consumes the insulin content of pancreatic β cells.** *Proceedings of the National Academy of Sciences of the United States of America*
Binger, K. J., Neukam, M., Tattikota, S. G., Qadri, F., Puchkov, D., Willmes, D. M., Wurmsee, S., Geisberger, S., Dechend, R., Raile, K., Kurth, T., Nguyen, G., Poy, et al
2019; 116 (40): 19983-19988
- **A 4D view on insulin secretory granule turnover in the β -cell.** *Diabetes, obesity & metabolism*
Müller, A., Mziaut, H., Neukam, M., Knoch, K. P., Solimena, M.
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- **A Global Approach for Quantitative Super Resolution and Electron Microscopy on Cryo and Epoxy Sections Using Self-labeling Protein Tags.** *Scientific reports*
Müller, A., Neukam, M., Ivanova, A., Sönmez, A., Münster, C., Kretschmar, S., Kalaidzidis, Y., Kurth, T., Verbavatz, J. M., Solimena, M.
2017; 7 (1): 23
- **Phototropin influence on eyespot development and regulation of phototactic behavior in *Chlamydomonas reinhardtii*.** *The Plant cell*
Trippens, J., Greiner, A., Schellwat, J., Neukam, M., Rottmann, T., Lu, Y., Kateriya, S., Hegemann, P., Kreimer, G.
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