

Makaia Papasergi-Scott

Instructor, Molecular & Cellular Physiology

Bio

ACADEMIC APPOINTMENTS

- Instructor, Molecular & Cellular Physiology

Publications

PUBLICATIONS

- **Structures of Ric-8B in complex with Galpha protein folding clients reveal isoform specificity mechanisms.** *Structure (London, England : 1993)*
Papasergi-Scott, M. M., Kwarcinski, F. E., Yu, M., Panova, O., Ovrutsky, A. M., Skiniotis, G., Tall, G. G.
2023
- **Structure determination of inactive-state GPCRs with a universal nanobody.** *Nature structural & molecular biology*
Robertson, M. J., Papasergi-Scott, M. M., He, F., Seven, A. B., Meyerowitz, J. G., Panova, O., Peroto, M. C., Che, T., Skiniotis, G.
2022
- **The tethered peptide activation mechanism of adhesion GPCRs.** *Nature*
Barros-Alvarez, X., Nwokonko, R. M., Vizurraga, A., Matzov, D., He, F., Papasergi-Scott, M. M., Robertson, M. J., Panova, O., Yardeni, E. H., Seven, A. B., Kwarcinski, F. E., Su, H., Peroto, et al
2022
- **G-protein activation by a metabotropic glutamate receptor.** *Nature*
Seven, A. B., Barros-Álvarez, X., de Lapeyrière, M., Papasergi-Scott, M. M., Robertson, M. J., Zhang, C., Nwokonko, R. M., Gao, Y., Meyerowitz, J. G., Rocher, J. P., Schelshorn, D., Kobilka, B. K., Mathiesen, et al
2021
- **Structures of G# Proteins in Complex with Their Chaperone Reveal Quality Control Mechanisms.** *Cell reports*
Seven, A. B., Hilger, D. n., Papasergi-Scott, M. M., Zhang, L. n., Qu, Q. n., Kobilka, B. K., Tall, G. G., Skiniotis, G. n.
2020
- **Structures of metabotropic GABAB receptor.** *Nature*
Papasergi-Scott, M. M., Robertson, M. J., Seven, A. B., Panova, O. n., Mathiesen, J. M., Skiniotis, G. n.
2020
- **Production of Phosphorylated Ric-8A proteins using protein kinase CK2** *PROTEIN EXPRESSION AND PURIFICATION*
Yu, W., Yu, M., Papasergi-Scott, M. M., Tall, G. G.
2019; 154: 98–103
- **Structure, Function, and Dynamics of the G# Binding Domain of Ric-8A.** *Structure (London, England : 1993)*
Zeng, B. n., Mou, T. C., Doukov, T. I., Steiner, A. n., Yu, W. n., Papasergi-Scott, M. n., Tall, G. G., Hagn, F. n., Sprang, S. R.
2019
- **Dual phosphorylation of Ric-8A enhances its ability to mediate G protein alpha subunit folding and to stimulate guanine nucleotide exchange** *SCIENCE SIGNALING*
Papasergi-Scott, M. M., Stoveken, H. M., Macconnachie, L., Chan, P., Gabay, M., Wong, D., Freeman, R. S., Beg, A. A., Tall, G. G.
2018; 11 (532)
- **The G Protein alpha Chaperone Ric-8 as a Potential Therapeutic Target** *MOLECULAR PHARMACOLOGY*

Papasergi, M. M., Patel, B. R., Tall, G. G.
2015; 87 (1): 52-63