

Griffin Hartmann

Ph.D. Student in Cancer Biology, admitted Autumn 2020

Publications

PUBLICATIONS

- **Critical role for a high-plasticity cell state in lung cancer** *NATURE*

Chan, J. E., Pan, C., Rub, J., Guzman, G., Krause, K., Brown, E., Zhang, Z., Styers, H., Hartmann, G., Li, Z., Zhuang, X., Lowe, S. W., Betel, et al
2026

- **Publisher Correction: Functional synapses between neurons and small cell lung cancer.** *Nature*

Sakthivelu, V., Schmitt, A., Odenthal, F., Ndoci, K., Touet, M., Shaib, A. H., Chihab, A., Wani, G. A., Nieper, P., Hartmann, G. G., Pintelon, I., Kisis, I., Boecker, et al
2025

- **Neuronal activity-dependent mechanisms of small cell lung cancer pathogenesis.** *Nature*

Savchuk, S., Gentry, K. M., Wang, W., Carleton, E., Biagi-Junior, C. A., Luthria, K., Yalçın, B., Ni, L., Farnsworth, H. C., Davis, R. A., Drexler, R., Melms, J. C., Liu, et al
2025

- **Functional synapses between neurons and small cell lung cancer.** *Nature*

Sakthivelu, V., Schmitt, A., Odenthal, F., Ndoci, K., Touet, M., Shaib, A. H., Chihab, A., Wani, G. A., Nieper, P., Hartmann, G. G., Pintelon, I., Kisis, I., Boecker, et al
2025

- **NEURONAL-ACTIVITY DEPENDENT MECHANISMS OF SMALL CELL LUNG CANCER PATHOGENESIS**

Savchuk, S., Wang, W., Gentry, K., Carleton, E., Biagi, C., Yalçin, B., Ni, L., Farnsworth, H., Davis, R., Liu, Y., Acosta-Alvarez, L., Hartmann, G., Pavarino, et al
OXFORD UNIV PRESS INC.2024

- **Convergent olfactory circuits for courtship in *Drosophila* revealed by ds-Tango.** *bioRxiv : the preprint server for biology*

Fisher, J. D., Crown, A. M., Sorkaç, A., Martinez-Machado, S., Snell, N. J., Vishwanath, N., Monje, S., Vo, A., Wu, A. H., Moşneanu, R. A., Okoro, A. M., Savaş, D., Nkera, et al
2024

- **Small-cell lung cancer neuronal features and their implications for tumor progression, metastasis, and therapy.** *Molecular cancer research : MCR*

Hartmann, G. G., Sage, J.
2024

- **An engineered interleukin-11 decoy cytokine inhibits receptor signaling and proliferation in lung adenocarcinoma.** *Bioengineering & translational medicine*

McIntosh, B. J., Hartmann, G. G., Yamada-Hunter, S. A., Liu, P., Williams, C. F., Sage, J., Cochran, J. R.
2023; 8 (6): e10573

- **INTERNAL CAROTID INJECTION MODEL OF BRAIN METASTASIS DESCRIBES LEPTOMENINGEAL DISEASE**

Chernikova, S., Tsau, S., Wang, Y., Hartmann, G., Polyak, D., Bhambhani, H., Kolluru, S., Thy Trinh, Casey, K., Johnson, E., Connolly, I., Recht, L., Ahn, G., et al
OXFORD UNIV PRESS INC.2023

- **Glioma synapses recruit mechanisms of adaptive plasticity.** *Nature*

Taylor, K. R., Barron, T., Hui, A., Spitzer, A., Yalçin, B., Ivec, A. E., Geraghty, A. C., Hartmann, G. G., Arzt, M., Gillespie, S. M., Kim, Y. S., Maleki Jahan, S., Zhang, et al

2023

- **Crosstalk between small-cell lung cancer cells and astrocytes mimics brain development to promote brain metastasis.** *Nature cell biology*
Qu, F., Brough, S. C., Michno, W., Madubata, C. J., Hartmann, G. G., Puno, A., Drainas, A. P., Bhattacharya, D., Tomasich, E., Lee, M. C., Yang, D., Kim, J., Peiris-Pagès, et al
2023
- **An engineered interleukin-1 decoy cytokine inhibits receptor signaling and proliferation in lung adenocarcinoma** *BIOENGINEERING & TRANSLATIONAL MEDICINE*
McIntosh, B. J., Hartmann, G. G., Yamada-Hunter, S. A., Liu, P., Williams, C. F., Sage, J., Cochran, J. R.
2023
- **GLIOMA SYNAPSES RECRUIT MECHANISMS OF ADAPTIVE PLASTICITY**
Taylor, K., Barron, T., Zhang, H., Hui, A., Hartmann, G., Ni, L., Venkatesh, H., Du, P., Mancusi, R., Yalcin, B., Chau, I., Ponnuswami, A., Aziz-Bose, et al
OXFORD UNIV PRESS INC.2022: 25
- **Complex representation of taste quality by second-order gustatory neurons in Drosophila** *CURRENT BIOLOGY*
Snell, N. J., Fisher, J. D., Hartmann, G. G., Zolyomi, B., Talay, M., Barnea, G.
2022; 32 (17): 3758-+
- **Coordination of two enhancers drives expression of olfactory trace amine-associated receptors** *NATURE COMMUNICATIONS*
Fei, A., Wu, W., Tan, L., Tang, C., Xu, Z., Huo, X., Bao, H., Kong, Y., Johnson, M., Hartmann, G., Talay, M., Yang, C., Riegler, et al
2021; 12 (1): 3798
- **MALIGNANT SYNAPTIC PLASTICITY IN PEDIATRIC HIGH-GRADE GLIOMAS**
Taylor, K., Barron, T., Hartmann, G., Zhang, H., Hui, A., Gillespie, S., Monje, M.
OXFORD UNIV PRESS INC.2021: 21
- **Emergence of a High-Plasticity Cell State during Lung Cancer Evolution** *CANCER CELL*
Marjanovic, N., Hofree, M., Chan, J. E., Canner, D., Wu, K., Trakala, M., Hartmann, G. G., Smith, O. C., Kim, J. Y., Evans, K., Hudson, A., Ashenberg, O., Porter, et al
2020; 38 (2): 229-+
- **Transsynaptic Mapping of Second-Order Taste Neurons in Flies by trans-Tango** *NEURON*
Talay, M., Richman, E. B., Snell, N. J., Hartmann, G. G., Fisher, J. D., Sorkac, A., Santoyo, J. F., Chou-Freed, C., Nair, N., Johnson, M., Szymanski, J. R., Barnea, G.
2017; 96 (4): 783-+