

Kathryn Taylor

Postdoctoral Scholar, Neurology and Neurological Sciences

Bio

PROFESSIONAL EDUCATION

- Bachelor of Science, Portsmouth Polytechnic (2008)
- Doctor of Philosophy, University Of London (2015)

STANFORD ADVISORS

- Michelle Monje-Deisseroth, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **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

- **BDNF-TRKB SIGNALING REGULATES NEURON-GLIOMA SYNAPTOGENESIS AND PROMOTES TUMOR PROGRESSION**

Taylor, K., Zhang, H., Hui, A., Gillespie, S., Monje, M.
OXFORD UNIV PRESS INC.2020: 468

- **How Support of Early Career Researchers Can Reset Science in the Post-COVID19 World.** *Cell*

Gibson, E. M., Bennett, F. C., Gillespie, S. M., Guler, A. D., Gutmann, D. H., Halpern, C. H., Kucenas, S. C., Kushida, C. A., Lemieux, M., Liddelow, S., Macauley, S. L., Li, Q., Quinn, et al
2020

- **ELECTRICAL CIRCUIT INTEGRATION OF GLIOMA THROUGH NEURON-GLIOMA SYNAPSES AND POTASSIUM CURRENTS**

Venkatesh, H., Morishita, W., Geraghty, A., Silverbush, D., Gillespie, S., Arzt, M., Tam, L., Ponnuswami, A., Ni, L., Woo, P., Taylor, K., Agarwal, A., Regev, et al
OXFORD UNIV PRESS INC.2019: 251

- **Electrical and synaptic integration of glioma into neural circuits.** *Nature*

Venkatesh, H. S., Morishita, W., Geraghty, A. C., Silverbush, D., Gillespie, S. M., Arzt, M., Tam, L. T., Espenel, C., Ponnuswami, A., Ni, L., Woo, P. J., Taylor, K. R., Agarwal, et al
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- **NEURONAL-ACTIVITY SECRETED BDNF INCREASES DIPG PROLIFERATION**

Taylor, K., Aziz-Bose, R., Blank, A., Geraghty, A., Monje, M.
OXFORD UNIV PRESS INC.2019: 67

- **ALK2 inhibitors display beneficial effects in preclinical models of ACVR1 mutant diffuse intrinsic pontine glioma.** *Communications biology*

Carvalho, D. n., Taylor, K. R., Olaciregui, N. G., Molinari, V. n., Clarke, M. n., Mackay, A. n., Ruddle, R. n., Henley, A. n., Valenti, M. n., Hayes, A. n., Brandon, A. D., Eccles, S. A., Raynaud, et al
2019; 2 (1): 156

- **ALK2 inhibitors display beneficial effects in preclinical models of ACVR1 mutant diffuse intrinsic pontine glioma.** *Communications biology*

Carvalho, D., Taylor, K. R., Olaciregui, N. G., Molinari, V., Clarke, M., Mackay, A., Ruddle, R., Henley, A., Valenti, M., Hayes, A., Brandon, A. D., Eccles, S. A., Raynaud, et al
2019; 2: 156

- **Functional diversity and cooperativity between subclonal populations of pediatric glioblastoma and diffuse intrinsic pontine glioma cells** *NATURE MEDICINE*
Vinci, M., Burford, A., Molinari, V., Kessler, K., Popov, S., Clarke, M., Taylor, K. R., Pemberton, H. N., Lord, C. J., Gutteridge, A., Forshew, T., Carvalho, D., Marshall, et al
2018; 24 (8): 1204+

- **DRUG SCREENING LINKED TO MOLECULAR PROFILING IDENTIFIES NOVEL DEPENDENCIES IN PATIENT-DERIVED PRIMARY CULTURES OF PAEDIATRIC HIGH GRADE GLIOMA AND DIPG**
Mackay, A., Molinari, V., Carvalho, D., Pemberton, H., Temelso, S., Burford, A., Clarke, M., Fofana, M., Boulton, J., Izquierdo, E., Taylor, K., Bjerke, L., Salom, et al
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- **Integrated Molecular Meta-Analysis of 1,000 Pediatric High-Grade and Diffuse Intrinsic Pontine Glioma** *CANCER CELL*
Mackay, A., Burford, A., Carvalho, D., Izquierdo, E., Fazal-Salom, J., Taylor, K. R., Bjerke, L., Clarke, M., Vinci, M., Nandhabalan, M., Temelso, S., Popov, S., Molinari, et al
2017; 32 (4): 520+

- **Transcriptional Dependencies in Diffuse Intrinsic Pontine Glioma** *CANCER CELL*
Nagaraja, S., Vitanza, N. A., Woo, P. J., Taylor, K. R., Liu, F., Zhang, L., Li, M., Meng, W., Ponnuswami, A., Sun, W., Ma, J., Hulleman, E., Swigut, et al
2017; 31 (5): 635-?

- **Recurrent activating ACVR1 mutations in diffuse intrinsic pontine glioma** *NATURE GENETICS*
Taylor, K. R., Mackay, A., Truffaux, N., Butterfield, Y. S., Morozova, O., Philippe, C., Castel, D., Grasso, C. S., Vinci, M., Carvalho, D., Carcaboso, A. M., de Torres, C., Cruz, et al
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