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- MD Student with Scholarly Concentration in Molecular Basis of Medicine / Cancer Biology, expected graduation Spring 2026
- Ph.D. Student in Cancer Biology with Scholarly Concentration in Molecular Basis of Medicine / Cancer Biology, admitted Autumn 2023
- MSTP Student

Publications

PUBLICATIONS

- **Reduced Cas9 transgene silencing by incorporation of intron sequences.** *Nature communications*
Arana, S., Du, P. P., Vaughan-Jackson, A., Enright, N., Spees, K., Valbuena, R., Garcia, C. A., Nguyen, T., Venida, A., Seczynska, M., Bintu, L., Lehner, P. J., Prolo, et al
2025; 16 (1): 10656
- **Disrupting BMAL1 enhances Temozolomide efficacy and abolishes circadian timing effects in pediatric high-grade gliomas**
Nettnin, E., Garcia, C., Sayed, F., Guinle, M., Gibson, E., Prolo, L.
OXFORD UNIV PRESS INC.2025: v340
- **Macropinocytosis as a novel target for pediatric high grade glioma therapy**
Nguyen, T., Spees, K., Garcia, C., Arana, S., Du, P., Levin-Konigsberg, R., Vaughan-Jackson, A., Nettnin, E., Bassik, M., Prolo, L.
OXFORD UNIV PRESS INC.2025: v179-v180
- **Circadian rhythms in pediatric high-grade gliomas may contribute to treatment efficacy.** *Scientific reports*
Nettnin, E. A., Garcia, C. A., Sayed, F. F., Schonfeld, E., Nguyen, T., Guinle, M. I., Petritsch, C. K., Gibson, E. M., Prolo, L. M.
2025; 15 (1): 32010
- **Prediction of seizure risk after repetitive mild traumatic brain injury in childhood.** *Journal of neurosurgery. Pediatrics*
Jin, M. C., Ravi, K., Wu, A., Garcia, C. A., Rodrigues, A. J., Savchuk, S., Ruiz Colón, G. D., Kakusa, B. W., Parker, J. J., Grant, G. A., Prolo, L. M.
2025: 1-10
- **THE ROLE OF MAP4K4 IN TUMOR CELL INVASION OBSERVED IN A 3D IN VITRO MODEL OF PEDIATRIC GLIOBLASTOMA**
Garcia, C., Nettnin, E., Arana, S., Nguyen, T., Guinle, M., Wilson, C., Petritsch, C. K., Bassik, M. C., Prolo, L. M.
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- **PEDIATRIC GLIOMAS EXPRESS CIRCADIAN GENES AND DEMONSTRATE CIRCADIAN REGULATION OF TEMOZOLOMIDE SENSITIVITY**
Nettnin, E. A., Garcia, C. A., Schonfeld, E., Mehl, L. C., Guinle, M., Petritsch, C. K., Gibson, E. M., Prolo, L. M.
OXFORD UNIV PRESS INC.2024
- **BIOPROCESSING OF VIABLE SURGICAL PEDIATRIC BRAIN TUMOR SPECIMENS FOR GENOME-GUIDED PERSONALIZED DRUG TESTING**
Nasajpour, E., Tran, C., Garcia, C., Xing, L., Lyle, G., Guinle, M., Bagley, B., Mahaney, K., Vogel, H., Learned, K., Vaske, O., Grant, G., Prolo, et al
OXFORD UNIV PRESS INC.2024
- **CDC42BPA::BRAF represents a novel fusion in desmoplastic infantile ganglioglioma/desmoplastic infantile astrocytoma.** *Neuro-oncology advances*
Barros Guinle, M. I., Nirschl, J. J., Xing, Y. L., Nettnin, E. A., Arana, S., Feng, Z. P., Nasajpour, E., Pronina, A., Garcia, C. A., Grant, G. A., Vogel, H., Yeom, K. W., Prolo, et al
2024; 6 (1): vdae050
- **Review: therapeutic approaches for circadian modulation of the glioma microenvironment.** *Frontiers in oncology*
Nettnin, E. A., Nguyen, T., Arana, S., Barros Guinle, M. I., Garcia, C. A., Gibson, E. M., Prolo, L. M.

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- **Behavior of glioblastoma brain tumor stem cells following a suborbital rocket flight: reaching the "edge" of outer space.** *NPJ microgravity*
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2023; 9 (1): 92
- **CDC42BPA::BRAF REPRESENTS A NOVEL FUSION IN DESMOPLASTIC INFANTILE GLIOMA**
Guinle, M., Nettnin, E. A., Nasajpour, E., Nirschl, J., Garcia, C. A., Vogel, H., Yeom, K., Prolo, L., Petritsch, C.
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- **BIOPROCESSING OF SURGICAL PEDIATRIC BRAIN TUMOR SPECIMENS FOR GENOME-GUIDED PERSONALIZED DRUG TESTING**
Nasajpour, E., Tran, C., Garcia, C., Lyle, G., Guinle, M., Bagley, B. A., Lancero, H., Gibson, E. E., Schouten, T., Mahaney, K., Vogel, H., Learned, K., Vaske, et al
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- **THERAPY-INDUCED CHANGES BY BRAF AND MEK INHIBITORS IN BRAF V600E-MUTATED GLIOMA MODELS PROVIDE POTENTIAL NOVEL THERAPEUTIC OPPORTUNITIES**
Park, J., Lancero, H., Nasajpour, E., Garcia, C., Prolo, L., Grant, G., Petritsch, C.
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- **BIOPROCESSING OF SURGICAL PEDIATRIC BRAIN TUMOR SPECIMENS FOR GENOME-GUIDED PERSONALIZED DRUG TESTING**
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- **5-Aminolevulinic Acid Imaging of Malignant Glioma.** *Surgical oncology clinics of North America*
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- **Development of an Integrated Risk Scale for Prediction of Shunt Placement After Neonatal Intraventricular Hemorrhage**
Jin, M. C., Parker, J. J., Rodrigues, A., Colon, G. R., Garcia, C. A., Mahaney, K. B., Grant, G. A., Prolo, L. M.
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- **Development of an integrated risk scale for prediction of shunt placement after neonatal intraventricular hemorrhage.** *Journal of neurosurgery. Pediatrics*
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2022: 1-10
- **An Analysis of Public Interest in Elective Neurosurgical Procedures during the COVID-19 Pandemic through Online Search Engine Trends.** *World neurosurgery*
Feng, A. Y., Garcia, C. A., Jin, M. C., Ho, A. L., Li, G. n., Grant, G. n., Ratliff, J. n., Skirboll, S. L.
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