



## Bradley Hamilton

Instructor, Adult Neurology

### Bio

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#### ACADEMIC APPOINTMENTS

- Instructor, Adult Neurology

### Publications

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#### PUBLICATIONS

- **Cell-line and Antibody Epitope-dependent Expression Models Inform Selection of AAV-GNE Epimerase/Kinase Transgenes to Treat GNE Myopathy**  
Patil, R., Hamilton, B., Day, J.  
CELL PRESS.2025
- **Extracellular Vesicles Reduce Type I Interferon Responses to AAV Gene Therapy in a Human Model of Innate Immunity**  
Hamilton, B., Cheng, M., Patil, R., Wright, F., Crain, A., Day, J., Maguire, C.  
CELL PRESS.2025
- **Innate Immune Avoidance by Extracellular Vesicle Associated AAV (EV-AAV)**  
Hamilton, B. A., de la Cruz, D., Patil, R., Cheng, M., Wright, J., Maguire, C. A.  
CELL PRESS.2024: 727
- **A Strategy to Select Minimally Immunogenic Candidate AAV Vectors to Treat GNE Myopathy**  
Hamilton, B. A., Patil, R., Ruland, B., Day, J., Wright, J.  
CELL PRESS.2024: 726-727
- **A Biosynthetic Approach for CpG Methylation of AAV Expression Cassettes**  
Huellen, F., Patil, R., Hamilton, B. A., Wright, J.  
CELL PRESS.2023: 113-114
- **A Human PBMC Assay of Type 1 Interferon Responses to Closely Related AAV Vectors**  
Hamilton, B. A., Patil, R., Kim, S., Day, J. W., Wright, J.  
CELL PRESS.2023: 76
- **Methylation of CpG Dinucleotides in AAV Vector Plasmids Reduces TLR9 Immune Activation**  
Patil, R., Hamilton, B., Perriman, R., Wright, J.  
CELL PRESS.2022: 66-67
- **ITRS FROM AAV SEROTYPES DIFFERENTIALLY STIMULATE INNATE IMMUNE SIGNALING THROUGH TLR9**  
Hamilton, B., Patil, R., Wright, F.  
ELSEVIER SCIENCE INC.2022: S92
- **Challenges Posed by Immune Responses to AAV Vectors: Addressing Root Causes.** *Frontiers in immunology*  
Hamilton, B. A., Wright, J. F.

2021; 12: 675897