

**Cory A Brennick, PhD**

Assistant Professor in Residence

Carole and Ray Neag Comprehensive Cancer Center, Department of Immunobiology

University of Connecticut Health, Farmington, CT

**Academic Appointments and Professional Experience**

11/2024-Current	Assistant Professor in Residence	UConn Health, Farmington, CT
07/2024-10/2024	Associate Research Scientist	Yale University, West Haven, CT
07/2020-07/2024	Postdoctoral Fellow	Yale University, West Haven, CT
09/2018-06/2020	Postdoctoral Fellow	UConn Health, Farmington, CT
08/2013-09/2018	Graduate Research Scientist	UConn Health, Farmington, CT
09/2011-05/2013	Undergraduate Research Scientist	Clarkson University, Potsdam, NY

**Educational Background**

<i>Institution</i>	<i>Degree</i>	<i>Completion</i>	<i>Field of Study</i>
Yale University, West Haven, CT	Postdoctoral Fellow	07/2024	Immunobiology
UConn Health, Farmington, CT	Postdoctoral Fellow	06/2020	Immunology
UConn Health, Farmington, CT	PhD	09/2018	Biomedical Science
Clarkson University, Potsdam, NY	BS	05/2013	Biomolecular Science

**Print and Oral Scholarship***Printed*

1. **Brennick CA**, George MM, Gillig MA. "Neoepitope-Based Cancer Vaccines: Principle and Applications." In: Das Mohapatra, A., Sahu, P.S. (eds) *Advances in Immunology and Immuno-techniques. Interdisciplinary Biotechnological Advances*. Springer, Nature. 2024. [https://doi.org/10.1007/978-981-97-5508-0\\_3](https://doi.org/10.1007/978-981-97-5508-0_3)
2. Liu S, Ji F, Ding Y, Ding B, Feng S, **Brennick CA**, Lin H, Zhang T, Shen Y. "VISTA: A promising target for overcoming immune evasion in gynecologic cancers." *Int Immunopharmacol*. 2024 Jul 9;138:112655. doi: 10.1016/j.intimp.2024.112655.

3. Gillig MA, **Brennick CA**, George MM, Balsbaugh JL, Shcheglova TV, Mandoiu II, Rosales T, Baker BM, Srivastava PK, Karandikar SH. "CD8+ T Cell–Dependent Antitumor Activity In Vivo of a Mass Spectrometry–Identified Neopeptide despite Undetectable CD8+ Immunogenicity In Vitro". *J Immunol*. 2023. 10.4049/jimmunol.2300356
4. Srivastava PK, Mandoiu II, **Brennick CA**, George MM, and Moussa MM. "Unbiased identification of tumor rejection mediating neopeptides." **US patent application**: US 2021/0317533 A1. 2021.
5. **Brennick CA**, George MM, Moussa, MM, Hagymasi AT, Seesi SA, Shcheglova TV, Englander RP, Keller GLJ, Balsbaugh JL, Baker BM, Schietinger A, Mandoiu II, Srivastava PK. "An unbiased approach to defining bona fide cancer neopeptides that elicit immune-mediated cancer rejection." *J Clin Invest* 131. 2021. 10.1172/JCI142823
6. **Brennick CA**, George MM, Srivastava PK, Karandikar SH. "Prediction of cancer neopeptides needs new rules." *Semin Immunol*. 2020.10.1016/j.smim.2020.101387
7. **Brennick CA**, George MM, Corwin WL, Srivastava PK, Ebrahimi-Nik H. "Neopeptides as Cancer Immunotherapy Targets: Key Challenges and Opportunities." *Immunotherapy*. vol. 9, no. 4, 2017, pp. 361–371. 10.2217/imt-2016-0146.

#### *Oral Presentations*

1. **Brennick CA**, George MM, Moussa, MM, Hagymasi AT, Shcheglova TV, Seesi SA, Mandoiu II, Srivastava PK. "Unbiased testing of several hundred tumor-specific single nucleotide variants of a tumor for protective immunogenicity and CD8+ response reveals surprises." American Association of Immunologists Conference. 2018.
2. **Brennick CA**, George MM, Moussa, MM, Hagymasi AT, Shcheglova TV, Seesi SA, Mandoiu II, Srivastava PK. "Defining Neopeptides that Contribute to Tumor Immunity" UConn Health Graduate Student Research Symposium. 2017.
3. **Brennick CA**, Duan F, Srivastava PK. "Distinct immunological activities of four variants of one mutation-generated neopeptide of a mouse fibrosarcoma" American Association of Immunologists Conference. 2015.

#### *Poster Presentations*

1. **Brennick CA**, George MM, Moussa, MM, Hagymasi AT, Shcheglova TV, Seesi SA, Mandoiu II, Srivastava PK. "Unbiased testing of several hundred tumor-specific single

- nucleotide variants of a tumor for protective immunogenicity and CD8+ response reveals surprises.” American Associate of Immunologists Conference. 2018.
2. **Brennick CA**, George MM, Moussa, MM, Hagymasi AT, Shcheglova TV, Seesi SA, Mandoiu II, Srivastava PK. “Defining Neopeptides that Contribute to Tumor Immunity” UConn Health Graduate Student Research Symposium. 2017.
  3. **Brennick CA**, Duan F, Srivastava PK. “Distinct immunological activities of four variants of one mutation-generated neopeptide of a mouse fibrosarcoma” American Associate of Immunologists Conference. 2015.

**Grants**

10/2020- 09/2021      Cancer Biology Training Grant      NCI T32 CA193200-01A1      \$72,500

**Other Professional Accomplishments**

- Reviewer for the journal Cancer Immunology Research      2024
- Reviewer for the Journal eLife      2024
- UConn Health Graduate Student Organization President      2014-2015