

LISA CARSON

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EDUCATION

Boston University School of Medicine, Boston, MA **January 2023**

Doctor of Philosophy: Program in Molecular and Translational Medicine

GPA 3.70/4.0

Dartmouth College, Hanover, NH **June 2015**

Bachelor of Arts: Major in Biology, Minor in Anthropology

GPA 3.63/4.0

EMPLOYMENT HISTORY

Graduate Research Assistant, Department of Pharmacology & Experimental Therapeutics, Boston University School of Medicine, Boston, MA **2017 - 2022**

Principal Investigator: Dr. Rachel Flynn

- Performed laboratory research characterizing the role of the helicase SMARCAL1 as a potential druggable target in cancers that utilize alternative lengthening of telomeres (ALT).
- Contributed to writing and editing of laboratory manuscripts, grant proposals, protocols, and regulatory documents.

Clinical Information Manager, Envision Healthcare, Hudson, NY **2015 - 2017**

- Created electronic medical record entries in accordance with billing and coding standards, in order to improve hospital productivity and efficiency of operations.
- Helped expedite patient flow through a busy emergency department (on average, completed around 20 charts per 12-hour shift).
- Facilitated communication between patients, medical providers, and hospital administrators. Served as the direct go-between amongst parties and provided proactive outbound calling to arrange consultations and follow-up appointments.

Undergraduate Research Assistant, Dartmouth College, Hanover, NH **2012 - 2015**

Principal Investigator: Dr. Simon Hillier

- Studied the effect of neonatal anesthetic exposure on rodent brain development.
- Compiled data from medical records for a companion study of standardized test scores in children with anesthetic exposure in infancy.
- Worked with anesthesiology residents to identify and eliminate sources of operating room contamination.

Principal Investigator: Dr. Mark McPeck

- Studied speciation patterns of tree crickets and the metabolic consequences of sound production in singing insects.

GlobeMed Internship Coordinator, Kachin Women's Association Thailand, Chiang Mai, Thailand **2014**

- Edited activity reports and grant proposals written by non-native English speakers for a nonprofit organization assisting people displaced by the ongoing civil war in Burma.

LISA CARSON, CONTINUED

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PUBLICATIONS

Carson, L. and Flynn, R.L. (in review). Highlighting vulnerabilities in ALT positive cancers. *Current Opinion in Pharmacology*.

Mason-Osann, E., Terranova, K., Lupo, N., Lock, Y.J., Carson, L.M., and Flynn, R.L. (2020). RAD54 promotes alternative lengthening of telomeres by mediating branch migration. *EMBO Reports* 21, e49495.

HONORS

Norman G. Levinsky Fellowship in Molecular Medicine, Boston University **2020**

James O. Freedman Presidential Scholar, Dartmouth College **2013 - 2014**