

John Robinson Heard
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CURRENT POSITION

Cedars-Sinai Medical Center, Los Angeles, CA
Urology Residency Training Program

EDUCATION:

State University of New York, Downstate College of Medicine, Brooklyn, NY
Doctor of Medicine 2021

Icahn School of Medicine at Mount Sinai, New York, NY
Master of Science, Biomedical Sciences 2017

Tufts University, Medford, MA
Bachelor of Science, Biology 2013

HONORS AND AWARDS:

Biostatistics Core Voucher Research Award, Cedars-Sinai 2022
Merck Award (for academic achievement), Merck Pharmaceuticals 2021
Alpha Omega Alpha, SUNY Downstate College of Medicine 2020
Best of Cool Ideas, Innovations in Medical Education Conference at USC 2020
Distinction in Foundations (for academic achievement), SUNY Downstate 2019
Student Travel Award, American Society of Virology National Meeting 2017
Graduate Student Travel Award, Icahn School of Medicine at Mount Sinai 2017

RESEARCH EXPERIENCE

Icahn School of Medicine at Mount Sinai, New York, NY 2018-2020
Research Assistant, Mentors: John Sfakianos MD, Benjamin tenOever PhD

- Engineered a microRNA expressing Sendai virus for intracellular immune checkpoint inhibition
- Analysis of urine derived lymphocytes in patients with bladder cancer

SUNY Downstate College of Medicine, Brooklyn, NY 2019-2021
Research Assistant, Mentor: Andrew Winer MD

- Collected and analyzed demographic and clinical data from survey of Afro Caribbean prostate cancer patients
- Analysis of self-reported urology residency applicant data.

Icahn School of Medicine at Mount Sinai, New York, NY 2015-2017
Graduate Student, Mentor: Benjamin tenOever PhD

- Performed genome-wide CRISPR screens in search of novel proteins involved in microRNA processing and the antiviral response

Albert Einstein College of Medicine, Bronx, NY 2013-2015
Research Technician, Mentor: Wolfgang Tome PhD

- Performed behavioral experiments and immunohistochemical analysis of brain tissue in study on the effects of whole brain and hippocampal sparing radiation therapy on mice.

PUBLICATIONS

Nazmifar M, Williams C, Naser-Tavakolian A, **Heard J**, Rosser C, Theodorescu D, Ahdoot M. Clinical and Preclinical Therapies for Bladder Cancer Following Bacillus Calmette-Guérin Failure. *J Urol*. 2023 Jan;209(1):32-48. doi: 10.1097/JU.0000000000002957.

Heard JR, Huang AJ, Werle L, Adler K, Bryant G, Smith M, Gordon DJ, Winer AG. Definitive treatment choice among Black immigrants with prostate cancer: Analysis of patient surveys distributed at a single safety-net institution. *Prostate*. 2022 Sep;82(13):1258-1263. doi: 10.1002/pros.24399.

Heard JR, Naser-Tavakolian A, Nazmifar M, Ahdoot M. Focal Prostate Cancer Therapy in the Era of Multiparametric MRI: A Review of Options and Outcomes. *Prostate Cancer and Prostatic Diseases*. 2022 Mar 4;. doi: 10.1038/s41391-022-00501-0

Huang AJ, **Heard JR**, Sharma IK, Gold FE, Gdara O, Weinstein C, *et al.* #UroSoMe: Growth and innovation of the social media landscape of urology residency programs and applicants during the COVID-19 pandemic. *Urol. Sci*. 33, 14 (2022).

Heard JR, Wyant WA, Loeb S, Marcovich R, Dubin JM. Perspectives of Residency Applicants and Program Directors on the Role of Social Media in the 2021 Urology Residency Match. *Urology*. October 2021. doi:10.1016/j.urology.2021.08.041

Heard JR, Werle L, Kasarla N, Winer AG. Catching a Big Fish With a Small Net: Factors Associated With First-Choice Match From Urology Residency Applicants' Self-Reported Data. *Urol Pract*. November 2020. doi:10.1097/upj.0000000000000212

Martini A, Daza J, Poltiyelova E, Gul Z, **Heard JR**, Ferket BS, Waingankar N, Galsky MD, Sfakianos JP. Pathological downstaging as a novel endpoint for the development of neoadjuvant chemotherapy for upper tract urothelial carcinoma. *BJU Int*. 2019; 124(4):665-671. doi:10.1111/bju.14719

Aguado LC, Jordan TX, Hsieh E, Blanco-Melo D, **Heard J**, Panis M, Vignuzzi M, tenOever BR. Homologous recombination is an intrinsic defense against antiviral RNA interference. *Proc Natl Acad Sci*. 2018; 115(39):E9211-E9219. doi:10.1073/pnas.1810229115

Tome WA, Gokhan S, Gulinello ME, Patrik Brodin N, **Heard J**, Mehler MF, Guha C. Hippocampal-dependent neurocognitive impairment following cranial irradiation observed in pre-clinical models: Current knowledge and possible future directions. *Br J Radiol*. 2016; 89(1057). doi:10.1259/bjr.20150762

Tome WA, Gokhan S, Brodin NP, Gulinello ME, **Heard J**, Mehler MF, Guha C. A mouse model replicating hippocampal sparing cranial irradiation in humans: A tool for identifying new strategies to limit neurocognitive decline. *Sci Rep*. 2015; 5. doi:10.1038/srep1438

PRESENTATIONS

Heard JR, Wyant WA, Loeb S, Marcovich R, Dubin JM. Does Social Media Play a Role in the Urology Match? Annual Meeting of the American Urological Association, Las Vegas, NV. September 2021. Poster Presentation

Heard JR, Charap A, Sfakianos JP. Urine derived lymphocytes demonstrate marked differences in the expression of immune checkpoint molecules PD1 and NKG2A between non-muscle invasive and muscle invasive bladder cancer. Annual Meeting of the New England Section AUA, Burlington, VT. September 2020. Oral Presentation

Charap A, **Heard JR**, Sfakianos JP, Horowitz, A. Sendai virus as a novel oncolytic virus for urothelial carcinoma. Annual Meeting of the New England Section AUA, Burlington, VT. September 2020

Heard JR, Kavoussi A, Goldman A, Powderly K. A Peer Driven Model for Wellness and Resilience in Medical Education. Innovations in Medical Education Conference 2020, Los Angeles, CA. February 2020. Oral Presentation.

Martini A, **Heard JR**, Waingankar N, Jia R, Sfakianos JP, Galsky M. The impact of pathologic downstaging with neoadjuvant chemotherapy on survival of patients with muscle-invasive bladder cancer. *J Clin Oncol*. 2019;37(7_suppl):491. doi:10.1200/JCO.2019.37.7_suppl.491. Oral Presentation

Heard J, tenOever BR. RNase III Biology in Response to RNA Virus Infection is Unique in Stem Cells. Oral presentation at the 36th Annual Meeting of the American Society for Virology, Madison, WI, June 2017. Oral Presentation.

Heard J, tenOever BR. Using a self-targeted RNA virus to identify Drosha-mediated antiviral biology. Oral presentation at the 28th Symposium on Virus-Host Interactions at The New York Academy of Medicine, New York, NY, January 2016. Oral Presentation.

PROFESSIONAL ASSOCIATIONS

American Urological Association

LANGUAGES

Turkish (spoken): basic