

# Stanford

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## Natasha Diba Sheybani

Postdoctoral Research Fellow, Oncology

### Bio

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#### HONORS AND AWARDS

- The NCI Predoctoral to Postdoctoral Fellow Transition Award (F99/K00), NIH (2018-Present)
- Robert R. Wagner Fellowship, UVA (2017)
- Graduate Research Fellowship (GRFP), NSF (2016)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Virginia , Biomedical Engineering (2020)
- Bachelor of Science, Virginia Commonwealth University , Biomedical Engineering (2015)

#### STANFORD ADVISORS

- Ash Alizadeh, Postdoctoral Faculty Sponsor
- Daniel Rubin, Postdoctoral Research Mentor

#### LINKS

- LinkedIn: <https://www.linkedin.com/in/natasha-sheybani-024439123/>
- Twitter: <https://twitter.com/ndsheybani>

### Publications

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#### PUBLICATIONS

- **Combination of thermally ablative focused ultrasound with gemcitabine controls breast cancer via adaptive immunity** *JOURNAL FOR IMMUNOTHERAPY OF CANCER*  
Sheybani, N. D., Witter, A. R., Thim, E. A., Yagita, H., Bullock, T. J., Price, R. J.  
2020; 8 (2)
- **Focused Ultrasound Hyperthermia Augments Release of Glioma-derived Extracellular Vesicles with Differential Immunomodulatory Capacity** *THERANOSTICS*  
Sheybani, N. D., Batts, A. J., Mathew, A. S., Thim, E., Price, R. J.  
2020; 10 (16): 7436–47
- **Transcriptomic response of brain tissue to focused ultrasound-mediated blood-brain barrier disruption depends strongly on anesthesia** *BIOENGINEERING & TRANSLATIONAL MEDICINE*  
Mathew, A. S., Gorick, C. M., Thim, E., Garrison, W. J., Klibanov, A. L., Miller, G., Sheybani, N. D., Price, R. J.  
2020
- **Pericyte Bridges in Homeostasis and Hyperglycemia** *DIABETES*

Corliss, B. A., Ray, H., Doty, R. W., Mathews, C., Sheybani, N., Fitzgerald, K., Prince, R., Kelly-Goss, M. R., Murfee, W. L., Chappell, J., Owens, G. K., Yates, P. A., Peirce, et al  
2020; 69 (7): 1503–17

- **Fluorescein-mediated sonodynamic therapy in a rat glioma model** *JOURNAL OF NEURO-ONCOLOGY*  
Prada, F., Sheybani, N., Franzini, A., Moore, D., Cordeiro, D., Sheehan, J., Timbie, K., Xu, Z.  
2020; 148 (3): 445–54
- **Immunomodulation of intracranial melanoma in response to blood-tumor barrier opening with focused ultrasound** *THERANOSTICS*  
Curley, C. T., Stevens, A. D., Mathew, A. S., Stasiak, K., Garrison, W. J., Miller, G., Sheybani, N. D., Engelhard, V. H., Bullock, T. J., Price, R. J.  
2020; 10 (19): 8821–33
- **Deconvolution of the immunological contexture of mouse tumors with multiplexed immunohistochemistry** *TUMOR IMMUNOLOGY AND IMMUNOTHERAPY - INTEGRATED METHODS, PT A*  
Mauldin, I. S., Sheybani, N. D., Young, S. J., Price, R. J., Slingsluff, C. L., Galluzzi, L., Rudqvist, N. P.  
2020; 635: 81–93
- **Perspectives on Recent Progress in Focused Ultrasound Immunotherapy** *THERANOSTICS*  
Sheybani, N. D., Price, R. J.  
2019; 9 (25): 7749–58
- **Meeting report: 2017 Winter School on Therapeutic Ultrasound** *JOURNAL OF THERAPEUTIC ULTRASOUND*  
Sheybani, N. D.  
2018; 6
- **Focused ultrasound ablation as an immunomodulatory strategy for metastatic breast cancer therapy**  
Sheybani, N., Witter, A. R., Stevens, A. D., Bullock, T. N., Price, R. J.  
AMER ASSOC IMMUNOLOGISTS.2018
- **MR image-guided focused ultrasound immune modulation for glioma therapy**  
Sheybani, N., Witter, A. R., Bullock, T. N., Price, R. J.  
AMER ASSOC IMMUNOLOGISTS.2018
- **Listening in on the Microbubble Crowd: Advanced Acoustic Monitoring for Improved Control of Blood-Brain Barrier Opening with Focused Ultrasound** *THERANOSTICS*  
Gorick, C. M., Sheybani, N. D., Curley, C. T., Price, R. J.  
2018; 8 (11): 2988–91
- **Pediatric ocular nanomedicines: Challenges and opportunities** *CHINESE CHEMICAL LETTERS*  
Sheybani, N. D., Yang, H.  
2017; 28 (9): 1817–21
- **Focused Ultrasound Immunotherapy for Central Nervous System Pathologies: Challenges and Opportunities** *THERANOSTICS*  
Curley, C. T., Sheybani, N. D., Bullock, T. N., Price, R. J.  
2017; 7 (15): 3608–23
- **The effect of photoinitiators on intracellular AKT signaling pathway in tissue engineering application** *BIOMATERIALS SCIENCE*  
Xu, L., Sheybani, N., Yeudall, W., Yang, H.  
2015; 3 (2): 250–55
- **Semi-Interpenetrating Network (sIPN) Co-Electrospun Gelatin/Insulin Fiber Formulation for Transbuccal Insulin Delivery** *PHARMACEUTICAL RESEARCH*  
Xu, L., Sheybani, N., Ren, S., Bowlin, G. L., Yeudall, W., Yang, H.  
2015; 32 (1): 275–85