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Paula J. Hurley, PhD
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Department of Urology
Vanderbilt-Ingram Cancer Center

Postdoctoral Fellow: Vanderbilt University Medical Center, Nashville, TN, United States

A postdoctoral fellow position funded by the National Institutes of Health (NIH) is available immediately in the laboratory of Dr. Paula Hurley in the Department of Medicine at Vanderbilt University Medical Center, Nashville, TN, United States. The contract is for two years and **the project aims to refine, with high rigor and reproducibility, the methodology to identify biomarkers of clinically significant prostate cancer in circulating extracellular vesicles.** This project is led by Dr. Dolores Di Vizio in the Cancer Biology Program at Cedars-Sinai Medical Center, Los Angeles, CA, United States and is in collaboration with Dr. Andries Zijlstra at Genentech, San Francisco, CA, United States. The appointment will include competitive salary and benefits, a research environment that is multi-disciplinary, dynamic and with high translational emphasis, and with full use of the Vanderbilt University Medical Center, Vanderbilt University, Vanderbilt EV Center, and Vanderbilt-Ingram Cancer Center state-of-the-art facilities, including *in vivo/in vitro* imaging and animal core facilities.

Dr. Hurley's laboratory investigates the role of the tumor microenvironment in prostate cancer progression to lethal disease with interests in cancer associated fibroblasts, the immune system, and extracellular vesicles. We have shown how secreted factors in the tumor microenvironment regulate metastatic progression. More information about our research can be found at: www.hurleylab.com

The ideal candidate will have an MD, PhD, or MD/PhD degree in biomedical science, and experience with extracellular vesicle isolation and characterization, nanotechnologies, immunofluorescence, ultracentrifugation, and flow cytometry. Additionally, they should have a demonstrated ability to work in a multidisciplinary and diverse team, and experience in cancer. Outstanding communication and time management skills are also necessary. The ability to design and perform scientific work independently and collaboratively is required. Candidates must be motivated to join a fast-paced environment and will thrive while leading and carrying out studies pertaining to EV research at the recently established Vanderbilt University Program for Extracellular Vesicle Research.

Our group is using state-of-the-art techniques for EV isolation and characterization, including gradient centrifugation, microfluidics, SEC, nano-flow-cytometry (EV Fingerprinting), next generation sequencing, and mass spectrometry.

Interested applicants should send their curriculum vitae, a summary of past achievements, a statement of future goals and a list of 3 professional references by email to:
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Sincerely,



Paula J. Hurley

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