




**HARVARD
MEDICAL SCHOOL**

WYSS  **INSTITUTE**
for Biologically Inspired Engineering

Research Assistant – Molecular Diagnostics

Duties & Responsibilities

The Wyss Institute for Biologically Inspired Engineering at Harvard University invites applications for a Research Assistant position in the new Diagnostics Accelerator initiative.

The Research Assistant (RA) will work with a multidisciplinary team led by David Walt and George Church at the Wyss Institute working on exosome research (more details here: <https://wyss.harvard.edu/david-walt-and-george-church-receive-grant-from-chan-zuckerberg-initiative-to-enable-better-diagnosis-and-monitoring-of-parkinsons-disease/>). Exosomes are extracellular vesicles secreted by all cells that contain proteins and RNA. The RA will work with the team at the Wyss Institute on questions pertaining to both the basic biology of extracellular vesicles, as well as technology development with regard to neurodegenerative disease diagnostics. The RA will carry out a large variety of experimental biological techniques including cell culture, stem cell differentiation, exosome isolation from cell culture media and biological fluids, protein biochemistry, and RNA analysis. There may also be opportunities for the RA to perform RNA-Seq and perform computational work, if interested.

This position is for someone who is excited about science and enjoys working at the bench. A range of candidates will be considered, including those with full-time, post-college research experience and those graduating college in 2019 with significant research experience. This would be a good opportunity for someone interested in gaining additional research experience before graduate school. Although the RA will work within a team and receive significant experimental training, the RA will also have significant opportunities for scientific independence, and previous RAs working with us have contributed to multiple publications and presented their work at international conferences.

Basic Qualifications

Bachelor's degree in a biological science or related field is required with significant research experience in molecular biology or biochemistry (at least two years; research during college may count towards this requirement).

Additional Qualifications

Experience with mammalian cell culture, RNA biology, and/or protein biochemistry analysis is advantageous, but not absolutely required. Experience with analyzing high-throughput sequencing data also advantageous but not required.

Applying

To apply, please send your CV, a brief message about why you're interested in this position, and the contact info for 2-3 references to: wyss.ra.position@gmail.com