

### Position

A post-doctoral position is available in the laboratory of Dr. Paul Robbins, associate director of the Institute on the Biology of Aging and Metabolism at the University of Minnesota Medical School. The post-doctoral fellow will be working on characterizing the anti-senescence activity of stem cell EVs and the mechanism of action. The candidate will join an exciting research environment in the newly established Institute on the Biology of Aging and Metabolism and the Department of Biochemistry, Molecular Biology and Biophysics at the University of Minnesota Medical School. The position offers exceptional training in stem cells, extracellular vesicles, aging, age-related diseases, cellular senescence, DNA damage and repair and molecular therapeutics.

### Qualifications:

*Essential Qualifications:* PhD in Biochemistry, molecular biology or a related area with specialization in cell signaling pathways or stem cell biology. Experience with EVs is preferred, but not required

*Preferred Qualifications:* The ideal candidate will have a genuine interest in aging research. He/she will also have experience working on cell signaling, stem cell biology, EVs and/or senescence. Skilled in molecular biology, stem cells and mammalian cell culture, EVs, confocal imaging, bioinformatics and rodent experimentation. Good verbal and written communication skills, the ability to work independently, and an interest in mentoring young scientists.

### How to Apply:

Applicants must apply online at: <http://www1.umn.edu/ohr/employment/>. Click on the appropriate tab under "Search & Apply for Openings", enter #325610 - stem cell EVs and their mechanisms of action into the "Keywords" field, click the "Search" tab. Applicants should attach a cover letter, curriculum vitae, a description of their research program and a list of 3 potential references. Review of applications will begin immediately and continue until the position is filled.

### About the Institute:

The new Institute on the Biology of Aging and Metabolism, housed in Nils Hasselmo Hall, is developing safe and effective approaches for promoting healthy aging through an understanding of the basic biological mechanisms that underpin aging as well as identifying early diagnostic biomarkers of unhealthy aging. Examples of the therapeutic approaches to be developed include adult stem cells, biologics, small molecules, nutraceuticals and natural products.

### About the Department:

The Department of Biochemistry, Molecular Biology and Biophysics is committed to understanding the molecular mechanisms of metabolic diseases and cancer; developing novel strategies in biocatalysis and biotechnology; and advancing knowledge through structural biology and molecular biophysics. We organize ourselves into research divisions with emphases on [Chemical and Structural Biology](#), [Metabolic and Systems Biology](#), [Molecular Biology](#) and [Synthetic Biology and Biotechnology](#). We are housed in new buildings with state-of-the-art research and support facilities.

### Diversity:

The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. The University supports the work-life balance of its faculty and especially encourages applications from women and members of under-represented groups.

### Background check information:

Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work here. Criminal convictions do not automatically disqualify finalists from employment.

### About the U of M:

The University of Minnesota, Twin Cities (UMTC), is among the largest public research universities in the country, offering undergraduate, graduate, and professional students a multitude of opportunities for study and research. Located at the heart of one of the nation's most vibrant, diverse metropolitan communities, students on the campuses in Minneapolis and St. Paul benefit from extensive partnerships with world-renowned health centers, international corporations, government agencies, and arts, nonprofit, and public service organizations.