



Dr. Jing Wang

Scientist

Ottawa Hospital

Hometown: Xi'an, P.R. China

Jing Wang came to Canada with a goal to complete her studies in neural stem cells and begin a career focused on the ultimate goal of repairing those brain cells in children and adults. Although Jing is in the early stages of her career, she has already made significant contributions to our understanding of brain repair, most recently how a single pathway can be modulated to regenerate damaged brain tissue following stroke.

Who is your female role model in the science sector?

My mentor is [Dr. Freda Miller](#) at the Hospital for Sick Children in Toronto, where I completed my post-doctoral studies. In working with Dr. Miller, I discovered that the drug metformin, commonly used to treat diabetes, is also able to repair damaged brain tissue in children who have been negatively impacted by cancer chemotherapy and diseases such as multiple sclerosis.

What has been your career highlight?

My greatest career achievement so far was the successful establishment of my own laboratory in Ottawa in 2013. From the research I have conducted there, I have now published three original papers in last three years, and I have successfully gained funding support from several funding agencies, including CIHR and the Heart and Stroke Foundation.

What career advice do you have for the next generation?

My advice for today's youth is simple: Choose a career that you can excel at and you are really passionate about. Stay focused and be persevering.