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I am a motivated graduated master of Neurology Department at Tashkent Medical Academy in Uzbekistan and I am applying for the PhD scholarship at the Einstein Center for Neurosciences Berlin that was recently advertised on the medical-neurosciences website.

My previous experience, coupled with my education, make me an ideal candidate for this position. I am particularly interested in this program as it is a great opportunity not only to gain deep knowledge and implement my ideas but also help to introduce new scientific research in my country. In my past position, it was my responsibility to study the structure and function of the brain and nervous system and specialized in the brain's anatomy, except my research from my master dissertation work about « Small vessels diseases and dementia », I deeply interested in neuroplasticity of the brain. As my curriculum vitae illustrate, I have pursued every available opportunity to teach and experience in this field of neurology. But during the project, I investigated the predictors and complication of the cerebral small vessels disease and how it impacts to the quality life of the senior patients, also working in the laboratory I am also well versed with many different types of microscopes, cell counters and other complex devices that are utilized when working in a laboratory setting.

This also allows me to apply my knowledge of both psychology and biology in order to analyze the structure, function and development of all nerves and neurotransmitters. I revealed the biochemical changes concerning cerebral small vessels disease. It was promoted to deeply interest in ability of cortical plasticity, which requires special technical approaches and confirmation; unfortunately, detection of these is not available in my country. It was pushed

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me to continue researching of these diseases in the developed country with a great opportunity. Working by patients, I comprehend that prevalence of neurodegenerative diseases, especially Alzheimer's disease, increase day by day in my country too. Research this kind of group disease is important, because of more and more patients suffer from it.

I hope that with your help under PhD scholarship at the Einstein Center for Neurosciences Berlin I will enrich my knowledge and get big experience on this problem, which can be useful in my further researches. My objective is to recognize more about the plasticity of the brain, in order to treat successfully and how it impacts to the process of the disease. This program would assist me to create new ideas to the approach of diagnosis and treatment and also develop and improve the skills which I have. The degree from one of the most prestigious, elitist and respected labs is my chance to enrich my knowledge and professionally outgrowth thereby contribute to the development of the medicine especially neurology in my native country and a whole world. With my strong academic background and relevant working experience not only during my master program in the Tashkent Medical Academy but also I had practice and experience with neuroplasticity in patients with CADASIL in the Siena, Italy (Clinical Fellowship) under the guidance of Prof.

Antonio Federico. During the clinical fellowship I worked in laboratory of the Neurometabolic Unit by considering some special clinical signs and correlate with biochemical features that can be useful in neurology practice, also outpatient and inpatient patient's track, Neurophysiology section (EMG, EEG) and Neuro-ophthalmology, genetics laboratories of the department and I realized the significance such kind of diseases to the life of the patients.

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During the fellowship, I started to interest deeply in structural changes of the brain and came across the article "Enhanced rapid onset cortical plasticity in CADASIL as a possible mechanism of preserved cognition" of the List J, Duning T, Meinzer M, Kürten J, Schirmacher A, Deppe M, Evers S, Young P, Flöel A. and "High prevalence of NMDA receptor IgA/IgM antibodies in different dementia types", that it promoted me to study for more details about mechanisms of the neurodegenerative disease. This fellowship are motivated me and was the source of the new ideas, which I am going to implement during my next research. PhD scholarship at the Einstein Center for Neurosciences Berlin with the International Graduate Program Medical Neurosciences, the Center for Stroke Research Berlin and the Cluster of Excellence NeuroCure, Berlin School of Mind and Brain labs - seems the perfect option to execution in rare diseases, because these laboratories have several contiguous with research and have the ability to give me opportunity for accomplishment and development in such kind of way of neurology by studying from the best professor in Germany. I also bring excellent communication skills which are vital when collaborating with others on complicated studies. Many times this type of collaboration is vital to reaching the conclusions that are necessary in controlled study.

I am confident that I am qualified and able to perform well in this program. I also believe that I can make a significant contribution to this program. Thank you very much for considering my application. I look forward to your positive response.

Sincerely, Dr. Elvina Giyazitdinova