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Pittsburgh  
PA 15213

September 18, 2017

Youngmin Park  
Department of Mathematics  
University of Pittsburgh

Dear Dr. Maria Geffen:

My name is Youngmin Park. I am a graduate student at the University of Pittsburgh department of mathematics, working in the areas of weakly coupled oscillators and neural field models. I expect to receive a Ph.D. from the University of Pittsburgh in May of 2018 under the direction of my advisor Bard Ermentrout. I would like to apply for a postdoctoral position in your group.

My work is largely in the realm of applied mathematics. My masters thesis is on the phase response curve of piecewise smooth oscillators, a topic which I continue to pursue today. In addition, more recent work involves the reduction of high dimensional conductance-based or mean-field models to low dimensional scalar models. I understand these techniques are not well-suited for theoretical neuroscience, but I am generally motivated by learning the necessary tools to make substantial contributions in neuroscience.

With my application, I include a curriculum vitae and a list of publications.

Please let me know if there is anything else I can provide. Thank you in advance for your consideration.

Sincerely, Youngmin Park