

3729 Spring Garden St.  
Philadelphia  
PA 19104

July 6, 2018

Youngmin Park  
Department of Otorhinolaryngology  
University of Pennsylvania

To Whom it may concern:

My name is Youngmin Park. I hold a PhD in mathematics from the University of Pittsburgh with advisor G. Bard Ermentrout. My work is largely in the realm of smooth and non-smooth dynamical systems with a strong emphasis on neuroscience-motivated problems.

My recent work involves the reduction of high dimensional conductance-based or mean-field models to low dimensional scalar models amenable to a classic, straightforward dynamical systems analysis. Moreover, in a recent publication with my masters advisor (Peter J. Thomas) and colleagues, we derive a solution to jump discontinuities in the phase response curve of piecewise smooth oscillators.

At the moment, I am a postdoctoral researcher at the University of Pennsylvania department of Otorhinolaryngology, working in computational neuroscience with Maria N. Geffen. While my brief stay in her lab has been a deeply enriching and educational experience, my long-term career goals have ended up at odds with the goals of the lab.

With my application, I include a curriculum vitae (which includes a list of publications and teaching experience).

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

Sincerely, Youngmin Park