BIOGRAPHICAL SKETCH

Provide one complete version of this biographical sketch for the Mentoring PI and another version for the Postdoctoral Fellow. DO NOT EXCEED TWO PAGES.

NAME
Lee, Wei-Chung Allen

POSITION TITLE
Assistant Professor of Neurology

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)

<table>
<thead>
<tr>
<th>INSTITUTION AND LOCATION</th>
<th>DEGREE (if applicable)</th>
<th>MM/YY</th>
<th>FIELD OF STUDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Institute of Technology</td>
<td>B.S.</td>
<td>06/1998</td>
<td>Chemical Engineering</td>
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<tr>
<td>Bowdoin College</td>
<td>A.B.</td>
<td>06/1998</td>
<td>Biochem / Government</td>
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<tr>
<td>Massachusetts Institute of Technology</td>
<td>P.D.</td>
<td>06/2006</td>
<td>Neuroscience</td>
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<tr>
<td>Harvard Medical School</td>
<td>Postdoctoral</td>
<td>07/2012</td>
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A. Positions and Honors

Positions and Employment
2006 - 2007  Postdoctoral Associate, MIT
2007 - 2012  Postdoctoral Fellow, Harvard Medical School
2012 - 2017  Instructor in Neurobiology, Harvard Medical School
2017 -       Assistant Professor of Neurology, Boston Children’s Hospital and Harvard Medical School

Other Experience and Professional Memberships
1999 -       Member, Society for Neuroscience
2002 - 2002  Student, Imaging Structure and Function in the Nervous System Summer Course, CSHL

Honors
1996         James Bowdoin Scholar for Academic Excellence, Bowdoin College
2003         Poitras Predoctoral Fellow, MIT
2005         Eli Lilly Graduate Student Travel Award, Society for Neuroscience
2008         Ruth L. Kirschstein National Research Service Award (NRSA 1F32EY018532)
2011         Edward R. and Anne G. Leffler Foundation Fellow, Harvard Medical School

B. Selected Peer-reviewed Publications


C. Research Support

**Ongoing Research Support**

Project Number: D16PC00004 (Co-PI: Lee) 01/15/16-01/14/21

**IARPA/MICrONS**

The Functional Connectome: A Roadmap for Cortically Inspired Computational Architectures

We will combine state of the art large-scale physiology (two-photon calcium imaging), computational modeling, cortical anatomy (connectomics), and image segmentation with the goal of discovering cortical algorithms from the mammalian visual system and implementing them to revolutionize machine learning.

**Completed Research Support**

Project Number: R03 DC013622 (PI: Lee) 09/18/13-08/31/16

**NIH/NIDCD**

Network anatomy of olfactory processing

The goal of this proposal is to understand the organizational principles underlying network connectivity in the olfactory system. We will extract the network anatomy of the fly olfactory system using large-scale electron microscopy and relate stereotyped cellular function to the circuit's structure.

Project Number: R21 NS085320 (PI: Lee) 09/30/13-08/31/15

**NIH/NINDS**

Novel EM technologies for imaging neural network anatomy

Our goal was to combine two technologies previously considered incompatible to generate novel methods and instrumentation for transforming high-resolution TEM into an automated, high-throughput imaging modality.