

## OFFICE OF THE SELECT BOARD

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TOWN OF ARLINGTON  
MASSACHUSETTS 02476-4908

August 26, 2020

Shoji Takahashi  
Arlington, MA 02474

[Shoji.takahashi@gmail.com](mailto:Shoji.takahashi@gmail.com)

Re: Appointment: Transportation Advisory Committee

Dear Shoji Takahashi:

As a matter of the standard appointment procedure, the Select Board requests that you attend a virtual meeting of the Select Board conducted by remote participation, on Monday, August 31st at 7:15 p.m.

It is a requirement of the Select Board that you join this virtual meeting. This will give the Board an opportunity to meet and discuss matters with you about the area of activity in which you will be involved.

Information which includes the link to the meeting will be available at the bottom of the Select Board Agenda as well as on the Town Calendar when the meeting is posted Thursday, August 27th by 7:00 p.m.

Please contact this office by e-mail, [lcosta@town.arlington.ma.us](mailto:lcosta@town.arlington.ma.us), if you have any questions.

Thank you.

Very truly yours,  
SELECT BOARD

Marie A. Krepelka  
Board Administrator

**From:** Shoji Takahashi <shoji.takahashi@gmail.com>  
**To:** Daniel Amstutz <damstutz@town.arlington.ma.us>  
**Date:** 07/15/2019 05:15 PM  
**Subject:** Arlington Transportation Advisory Committee (TAC) Associate Member application

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Dear Daniel,

I am writing to apply for the open position as an Associate Member on the Arlington Transportation Advisory Committee (TAC).

After moving from the Washington, DC, area to Arlington in December, 2007, I have been a multi-modal commuter from Arlington to Kendall Square. We rented for ~8 years near Arlington High School, and I commuted by bus and red line. In the spring of 2008, I sold my Toyota Corolla and bought a bicycle from Quad Cycles to ride along the Minuteman Bikeway from Arlington Center to/from Alewife.

Living in Arlington Center, I often walked to the restaurants, church, Town Hall, and many parks. I also gained valuable user knowledge of the buses and red line in moving through Arlington and into Cambridge.

I have two elementary-aged children. As a family, we have taken advantage of the Arlington amenities using all modes of transportation: walking, bicycling, and transit.

In 2015, we purchased a house in the Morningside neighborhood across from Stratton Elementary School. Our move to a more suburban location has provided me with a different perspective of needs. I have assisted the school by helping to coordinate the Safe Routes to School program for the past three years. In so doing, I have taking part in active transportation courses offered through MassDOT and provided assistance for a Safe Routes to School grant.

I am a proponent of active transportation. I participate in bicycle advocacy meetings and am a member of MassBike and the Boston Cyclist Union.

I appreciate your consideration of my application for the open position as an Associate Member on the Arlington Transportation Advisory Committee (TAC).

Sincerely yours,  
Shoji Takahashi

## Shoji Takahashi, M.D., Ph.D.

Arlington, MA 02474

Mobile:  
Email: shoji.takahashi@gmail.com

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### **EXPERIENCE**

#### **Associate Director of Intellectual Property**

December 1, 2007-present

*Intellectual Property Office*

Whitehead Institute for Biomedical Research, Cambridge, MA 02142

- Led complex negotiations involving multiple parties (including academic institutions and venture capital firms) for several start-up companies raising Series A funding ranging from \$2.5 MM to \$60 MM. Founding technologies for the start-up companies included: drug discovery assays directed towards cancer-stem cells; mirror-image phage display for discovering D-peptide drugs; knock-out clone collection for target discovery and research purposes, reprogramming technologies for induced pluripotent stem cells, and others.
- Devised and implemented intellectual property and commercialization strategies for inventions and tangible property arising from world-class biomedical researchers (including Investigators of the Howard Hughes Medical Institute, Members of the National Academy of Sciences, and National Medal of Science Laureates).
- Managed and coordinated \$5.3 MM research collaboration between Whitehead Institute and Biogen, Inc. Served as alliance manager to coordinate business and scientific activities under the agreement.
- Develop and maintain strong working relationships with Members of Whitehead Institute and their scientific and administrative staff. Facilitate interactions between faculty and third parties including entrepreneurs, investors, and companies.
- Intellectual property management responsibilities include: evaluating inventions for commercial potential and patentability, negotiating and drafting financial and non-financial terms for agreements. Contract negotiations include Material Transfer Agreements (MTAs) with academic institutions and companies, Confidential Disclosure Agreements (CDAs), Inter-institutional Agreements, Tangible Research Property Agreements, and Exclusive and Non-exclusive License Agreements.
- Drafted, edited, and coordinated grant applications for Whitehead Institute and its Members under the American Recovery and Reinvestment Act of 2009 and Massachusetts Life Sciences Center. Co-led administration efforts to submit Challenge Grants Applications, Equipment Grant Applications, Administrative Supplement Awards, and Renovation Applications.
- Work closely with the Office of Sponsored Research to negotiate intellectual property provisions for Sponsored Research Agreements and Service Agreements.
- Reorganized the Intellectual Property Office including designing and implementing new processes for managing work flow and creating the capacity to conduct licensing transactions.

#### **Senior Licensing Manager**

May 1, 2006-November 30, 2007

#### **Licensing Manager**

June 1, 2005 to April 30, 2006

*Office of Technology Licensing*

Georgetown University, Washington, DC 20057

- Managed nearly 100 technologies including marketing, licensing, and directing patent prosecution. Independently negotiated and completed Exclusive License Agreements and Option Agreements for diverse biomedical technologies including therapeutic small-molecule

compounds and antibodies; a cancer target and a clinical assays. Tangible Research Property Licenses for materials such as an antibody; polymerase; and virus.

- Licensed core technologies to two start-up companies focusing on gynecology-oncology and cardio-vascular imaging. In particular, facilitated due diligence, and supported negotiations and drafting of agreements. Start-up companies raised Series A financing of \$2 MM – \$5 MM.
- Teamed with the Georgetown University Medical Center Office of Sponsored Research to negotiate intellectual property provisions for numerous Sponsored Research Agreements and Service Agreements.

### **Science Writer**

2003-04

Working Group on Interspecific Chimeric Brains, Program in Cell Engineering, Ethics, and Public Policy

*Phoebe R. Berman Bioethics Institute*

Johns Hopkins University, Baltimore, MD 21205

- Authored general-audience chapters on “Brain Structure-Function” and “Neurotechniques”.
- Co-drafted policy paper for the Working Group, published in *Science*, 2005.

## **EDUCATION**

### **Doctor of Medicine**

#### **Doctor of Philosophy (Department of Biomedical Engineering)**

*Johns Hopkins University School of Medicine, Baltimore, MD 21205*

May, 2005

- Medical Scientist Training Program Fellowship, 1998-2005.
- Harry C. Saltzstein Prize for Medical Writing, 2004.
- Ph.D. thesis: “Structure and function of voltage-dependent calcium-channel  $\beta_2$  subunits”  
(Advisor: Henry M. Colecraft, Ph.D.)
- Biophysical Society Student Research Achievement Award, 2004.
- Five peer-reviewed publications (three first-author publications).

### **Sc.B. Biophysics with Honors, *Magna Cum Laude***

*Brown University, Providence, RI 02912*

May, 1998

- Honors thesis: “Synthesis and characterization of triple-walled polymer microspheres”  
(Advisor: Edith Mathiowitz, Ph.D.)
- Maria L. Caleel Memorial Prize for Academic Excellence in Biological Sciences, 1998; Royce Fellowship, 1997; Howard Hughes Medical Institute Advanced Research Fellowship, 1997; Goldwater Scholar, 1996; Howard Hughes Medical Institute Biology Scholar, 1995.
- One peer-reviewed publication.