




City of Seattle Boards & Commissions Notice of Appointment

Appointee Name: <i>Ty Bottorff</i>		
Board/Commission Name: <i>Seattle Bicycle Advisory Board</i>		Position Title: <i>Member</i>
<input checked="" type="checkbox"/> Appointment OR <input type="checkbox"/> Reappointment	City Council Confirmation required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Appointing Authority: <input type="checkbox"/> City Council <input checked="" type="checkbox"/> Mayor <input type="checkbox"/> Other: <i>Fill in appointing authority</i>	Term of Position: * 9/1/2021 to 8/31/2023 <input checked="" type="checkbox"/> <i>Serving remaining term of a vacant position</i>	
Residential Neighborhood: <i>U District</i>	Zip Code: <i>98105</i>	Contact Phone No.: [REDACTED]
Background: <i>Ty lives in the U District and is a student at the University of Washington. They are interested in sustainable forms of transportation and improving safety for people biking by adding more barriers between bikes and cars. Ty is passionate about ensure the city stays committed to Vision Zero and reducing deaths and serious injuries for people biking.</i>		
Authorizing Signature (original signature): <i>Bruce A. Harrell</i> Date Signed (appointed): 8/31/2022	Appointing Signatory: <i>Bruce A. Harrell</i> <i>Mayor of Seattle</i>	

*Term begin and end date is fixed and tied to the position and not the appointment date.



Education

- Vanderbilt University: Nashville, TN, fall 2013 – fall 2017
 - B.S. in Molecular and Cellular Biology and Secondary Education
 - Dean's list spring 2015 to fall 2016
 - 3.63 GPA
- University of Washington: Seattle, WA, fall 2017 – present
 - Post-baccalaureate: fall 2017 – fall 2018
 - PhD: fall 2018 – present

Awards

- Vanderbilt University Chancellor's Scholar
- National Science Foundation Graduate Research Fellowships Program (NSF GRFP): summer 2019 – present

Research Experience

- Undergraduate research: Vanderbilt University (spring 2016 – spring 2017, research advisor: Dr. Friedman)
 - Design of a rapid cloning system of gRNAs to direct Cas9-mediated cleavage
 - Optimization of a CRISPR/Cas9-based system to search for sites in the yeast genome that foment high rates of telomere addition in response to a double stranded break
- Post-Baccalaureate research: University of Washington Post-Baccalaureate Research Education Program (PREP, June 2017 – September 2018, research advisors: Dr. Ruohola-Baker and Dr. Mathieu)
 - Optimization of HIF2 α detection and screening for knockout in human stem cell line
 - Investigation of relationship between Tie2 clustering and signal branch preference in human cell line using designed protein scaffolds
 - Investigation of mTORC signaling in human stem cell line
- Graduate research: University of Washington Biological Physics, Structure and Design (BPSD) program (fall 2018 – present)
 - Investigation of higher order scaffold protein complexes (fall 2018 – winter 2018, research advisor: Dr. Zalatan)
 - Tuning of a growth-coupled bistable switch in yeast (winter 2018 – spring 2019, research advisor: Dr. Klavins)
 - Computational modeling and experimental investigation of translational regulation in human cells (spring 2019 – present, research advisor: Dr. Subramaniam)

Publications

- Mathieu, J et al. "Folliculin regulates mTORC1/2 and WNT pathways in early human pluripotency" *Nature communications* vol. 10,1 632. 7 Feb. 2019, doi:10.1038/s41467-018-08020-0
- Bottorff et al. "Translational buffering by ribosome stalling in upstream open reading frames". *bioRxiv*. 2022, doi:<https://doi.org/10.1101/2022.01.06.475296>

Presentations

- Southeastern Regional Yeast Meeting (SERYM), March 25 – 27, 2016, Tuscaloosa, AL
- Vanderbilt Summer Science Academy (VSSA) Symposium, August, 2016, Nashville, TN
- Vanderbilt Undergraduate Research Fair, September, 2016, Nashville, TN
- Annual Biomedical Research Conference for Minority Students (ABRCMS), November 1 – 4, 2017, Phoenix, AZ
- University of Washington Institute for Stem Cell and Regenerative Medicine Stem Cell Symposium, March 30, 2018, Seattle, WA
- University of Washington Undergraduate Research Symposium, May, 2018, Seattle, WA
- Cold Springs Harbor Laboratory (CSHL) Translational Control Meeting, November, 2020, online

- EMBL Conference: Protein Synthesis and Translational Control, September, 2021, online
- National Science Foundation CAREER Conference, November 1 – 2, 2021, online

Professional Experience

- Student Teacher: planned and taught lessons and created, graded, and modified instruction based on assessments
 - 5th-8th grade engineering, Rose Park Middle School, Nashville, late spring 2017 (8 weeks, 4 classes/day, supervisor: Ms. Denning)
 - 9th grade biology, MLK Jr. Academic Magnet High School, Nashville, early spring 2017 (8 weeks, 4 classes/day, supervisor: Ms. Turner)
- Teaching Assistant
 - Basic Techniques in Biochemistry: planned and taught lessons and created, graded, and modified instruction based on assessments (fall 2019, 9 weeks, 2 classes/week, supervised by Dr. Gu and Ms. Lewis)
 - Biochemistry: planned and taught lessons and graded and modified instruction based on assessments (fall 2020, 9 weeks, 3 classes/week, online, taught by Dr. Kollman and Dr. Brockerhoff)
 - Tools for Computational Biology: supported students during office hours to install software and computationally analyze data (fall 2021, 9 weeks, 2 classes/week, graduate level, online, taught primarily by Dr. Subramaniam)

Skills

- I can speak, read, write, and listen to Spanish at an intermediate level
- I can write intermediate level code in Python and R

Seattle Bicycle Advisory Board

12 Members: Pursuant to Resolution 30995; all members subject to City Council confirmation, 2-year terms:

- 7 Mayor- appointed
- 5 City Council- appointed

Roster:

*D	**G	RD	Position No.	Position Title	Name	Term Begin Date	Term End Date	Term #	Appointed By
8	M	3	1.	Member	Yasir Alfarag	9/1/2021	8/31/2023	2	Mayor
6	M	2	2.	Member	Max J. Green	9/1/2022	8/31/2024	1	City Council
3	M	4	3.	Member	Jose Nino	9/1/2021	8/31/2023	1	Mayor
1	F	4	4.	Member	Andrea Lai	9/1/2021	8/31/2023	2	City Council
9	O	4	5.	Member	Ty Bottorff	9/1/2021	8/31/2023	1	Mayor
			6.	Member	Douglas Midgen	9/1/2021	8/31/2023	1	City Council
6	F	7	7.	Member	Donna McBain Evans	9/1/2022	8/31/2024	1	Mayor
6	F	4	8.	Member	Christine C. Stawitz	9/1/2022	8/31/2024	1	City Council
6	M	2	9.	Member	Quinn Thomas Kelly	9/1/2022	8/31/2024	1	Mayor
6	M	3	10.	Member	Peter Bryan	9/1/2022	8/31/2024	1	City Council
2	M	3	11.	Member	Joseph Roberts	9/1/2022	8/31/2024	1	Mayor
6/8	M	7	12.	Get Engaged Member	Yaacov Tarko	9/1/2021	8/31/2022	1	Mayor

SELF-IDENTIFIED DIVERSITY CHART

					(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Male	Female	Transgender	NB/ O/ U	Asian	Black/ African American	Hispanic/ Latino	American Indian/ Alaska Native	Other	Caucasian/ Non-Hispanic	Pacific Islander	Middle Eastern	Multiracial
Mayor	5	1	1			1	1			3		2	1
Council	2	2			1					3			
Other													
Total	7	3	1		1	1	1			6		2	1

Key:

*D List the corresponding *Diversity Chart* number (1 through 9)

**G List *gender*, M= Male, F= Female, T= Transgender, NB= Non-Binary, O= Other, U= Unknown

RD Residential Council District number 1 through 7 or N/A

Diversity information is self-identified and is voluntary.