



City of Seattle Boards & Commissions Notice of Appointment

Appointee Name: <i>Jessica Hernandez</i>		
Board/Commission Name: <i>Urban Forestry Commission</i>		Position Title: <i>Environmental Justice Representative</i>
<input checked="" type="checkbox"/> Appointment OR <input type="checkbox"/> Reappointment		Council Confirmation required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Appointing Authority: <input checked="" type="checkbox"/> Council <input type="checkbox"/> Mayor <input type="checkbox"/> Other: <i>Fill in appointing authority</i>	Date Appointed: <i>mm/dd/yy.</i>	Term of Position: * <i>4/1/2021</i> to <i>3/31/2024</i> <input type="checkbox"/> <i>Serving remaining term of a vacant position</i>
Residential Neighborhood: <i>TBD</i>	Zip Code: <i>TBD</i>	Contact Phone No.:
Background: <i>Jessica holds a Ph D in Environmental and Forest Sciences from the University of Washington.</i> <i>She is currently a postdoctoral scholar with the Division of Physical Sciences of the University of Washington Bothell. Her graduate school research has focused on urban ecology and the intersection of food, climate, and environmental justice through an Indigenous and decolonial lens. The work she completed for her dissertation focused on the urban Native American and Indigenous communities of Seattle. Based on this work, she created a holistic framework to indigenize restoration at Discovery Park. As an indigenous scientist, her community work has aimed to center and bring to the forefront Indigenous voices and knowledge systems.</i> <i>Her deep understanding of indigenous science and experience applying an environmental justice lens to her work will bring a unique perspective to the Urban Forestry Commission.</i> <i>Jessica is being appointed to a three-year term ending March 31, 2024.</i>		
Authorizing Signature (original signature): 	Appointing Signatory: <i>Councilmember Dan Strauss</i>	

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

EDUCATION

Postdoctoral Scholar	Division of Physical Sciences, University of Washington Bothell. National Science Foundation, DRL #1936601	September 2020-present
Ph.D.	Environmental and Forest Sciences, University of Washington Co-Advisors: Dr. Mike Spencer & Dr. Kristiina Vogt <u>Dissertation</u> : Indigenous Lands Before Urban Parks: Indigenizing Restoration in Discovery Park	July 2020
Certificate	Permaculture Design, Permaculture College Australia	July 2018
Certificate	Permaculture Teacher Certificate, Permaculture College Australia	November 2018
M.M.A.	Marine Affairs, University of Washington	June 2017
M.S.	Environmental and Forest Sciences, University of Washington <u>Master's Thesis</u> : Environmental Justice in the Pacific Northwest: Developing an Environmental Justice Atlas & Website to Identify Indigenous Pillars of Environmental Justice for Policy Recommendations	June 2017
B.S.	Marine Science, University of California, Berkeley	August 2013
B.A.	Italian Studies, University of California, Berkeley	August 2013

RESEARCH FELLOWSHIPS & AWARDS

American Indian Science and Engineering Society (AISES), Lighting the Pathway to Faculty Careers for Natives in STEM	2020-2022
Puget Sound Sage's Community Leadership Institute (CLI) Fellowship	2020-2021
Kavli Foundation Travel Grant	2019
UW Resilience and Compassion Initiatives Seed Grant	2019
Northwest Horticulture Scholarship	2019
National Science Foundation Graduate Research Fellowship	2017-2020
Linda Maxson Endowment Marine Policy Award	2016
Latino/a Graduate Scholars Graduate Fellowship	2015
Charles Ramsden Research Grant, Earth and Planetary Science Department	2011-2013



Women in Science and Engineering Student Training and Research in Science Grant	2011-2013
NSF Louis Stokes Alliance for Minority Participation in Science, Engineering and Mathematics	2009-2013
National Science Foundation CA Minority Alliance Conference, Special Recognition in Biological Sciences	2012-2013

RESEARCH EXPERIENCE

National Science Foundation, Postdoctoral Research Fellow, Scherr Physics Research Lab, University of Washington, Bothell. Research Topic: Energy and Equity.	September 2020- Present
Graduate Researcher, Research Mentor, Vogt Lab, University of Washington, College of the Environment; School of Environmental and Forest Sciences. Funded by the National Science Graduate Research Fellowship	September 2015- July 2020
Faculty Research Mentor, Doris Duke Conservation Scholars Program at the University of Washington.	June 2017- August 2017
Research Assistant & Marine Educator and Outreach Associate, Coastal Waters Consortium & Louisiana Universities Marine Consortium.	August 2013- April 2014
Research Associate, Department of Integrative Biology, Dr. M. Koehl, University of California, Berkeley. Project: Biomechanics: Strength of adhesion for <i>Schizoporella errata</i> larvae & their active behavioral responses to turbulent water flow.	September 2011- May 2013
Summer Research Intern, Stanford University John Hopkins Marine Station, Crowder Lab, Center for Ocean Solutions. Project: Analyzed the commercial and non-commercial fish caught in the Monterey Peninsula by small-scale fishermen and the policies implemented in area.	May 2013- July 2013
Research Associate, Department of Marine Biology and Zoology, Boero Lab, University of Salento, Lecce, Italy. Project: Implemented a new cultivation laboratory technique for <i>Clytia hummelincki</i> , an invasive species of the Mediterranean Sea.	May 2012- August 2012
Hawaii Wildlife Fund, Maui, Hawaii. Project: Restoring ancestral practices for the farming of kalo and restoration of Kō'ie'ie fishponds. Conservation project: Focusing on the endangered Honu: Native Hawaiian green sea turtle.	December 2011- January 2013
Winter Research Intern, Global Student Embassy, Bahia de Caraquez, Ecuador. Project: Deforestation problems in the coast of Ecuador and mangrove conservation.	December 2010- January 2011



ACADEMIC AND COMMUNITY AWARDS

College of the Environment: Outstanding Commitment Diversity	2017
Husky 100	2017
Comcast NBCUniversal Leadership Award	2015
City Year & Obama-Biden Administration's My Brother's Keeper Social Ambassador	2015
Segal AmeriCorps Educational Award	2015
American Indian Science and Engineering Society Leadership Award	2011-2013
Native American Retention and Recruitment Center Certificate of Honoring	2011-2013
Academic Achievement Programs Scholarship	2009
Riordan Scholar Scholarship	2008
Chapin-Herron Scholarship	2008
Berkeley Scholarship	2008
Vaughn Brown Scholarship	2008
Levi & Strauss Scholarship	2008
Animo South L.A. Charter High School Valedictorian of the Founding Class '08	2008

UNDERGRADUATE RESEARCH ADVISOR & MENTOR

Vanessa Sanchez, Capstone Project: Environmental Science and Environmental Justice, 11th-12th Grade Curriculum Proposal	May 2017- August 2017
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TEACHING EXPERIENCE

Instructor & Teaching Professor, AIS 375A—Indigenizing Conservation in a Changing Climate, Winter Quarter '19.	January 2020- March 2020
Teaching Assistant, American Indian Studies Department (Study Abroad). Course: AIS 270 & 475. Summer quarter '17: Standing Together-Tribal Canoe Journey Field Study	July 2017- August 2017
Instructor & Teaching Professor, AIS 475B—Decolonizing the Environmental Discourse, University of Washington, Department of American Indian Studies, Spring quarter '17. Course Evaluation Combined Median (out of 5.0): 5.0.	March 2017- June 2017
Instructor & Teaching Professor, ESRM 490—Decolonizing the Environmental Discourse, University of Washington College of the Environment and Graduate School. Winter quarter '17 Course Evaluation Combined Median (out of 5.0): 4.9.	January 2017- March 2017
Teaching Assistant, American Indian Studies Department, University of Washington. Fall quarter '16. Course: AIS 270, Native Peoples of the Pacific Northwest.	September 2016- December 2016



Washington NASA Space Grant Consortium, Teaching Assistant. Summer quarter '16. Mission Earth Scout One/Misión Exploración Tierra	July 2016- September 2016
Lummi Nation, San Juan Island Conservation Corps. Crew Leader/Lead Instructor position for Coast Salish Mini-University.	April 2016- September 2016
Teaching Assistant, School of Environmental and Forest Sciences, University of Washington. Spring quarter '16. Course: ESRM 101, Forests and Society.	March 2016- May 2016
Graduate Teaching Appointment, Department of Intercollegiate Athletics, University of Washington, Ackerley Academic Center. Courses tutored included: Intro to Geology (ESS 101), Intro to Environmental Science (ESRM C100), Wildlife in the Modern World (ESRM 150), Forests and Society (ESRM 101), Intro to Communication and Environmental Planning (CEP 200), Earthquakes (ESS 202) Environmental Communication (ENVIR 200), The Changing Oceans (OCEAN 102) & Living with Volcano (ESS 106).	September 2015- February 2016

LEADERSHIP & SERVICE

Sustainable Seattle, Board Member.	April 2021-present
Committee Member, Media Relations Director, and Secretary, The Living Breath of wələbʔaltxʷ: Indigenous Foods and Ecological Knowledge.	November 2016- December 2018
Graduate Student Board Member, Graduate Opportunities and Minority Achievement Program (GO-MAP) Graduate Student Advisory Board (GSAB).	January 2017- March 2018
Co-president, Native Organization of Indigenous Scholars.	April 2016- August 2018
Graduate Student Representative, American Indian Science and Engineering Society-UW Chapter.	April 2016- December 2017
President, American Indian Science and Engineering Society, UC Berkeley Chapter.	September 2011- May 2013

PUBLICATIONS

Peer-Review Publications

Hernandez, Jessica. "Indigenizing Environmental Justice: Case Studies from the Pacific Northwest." <i>Environmental Justice Journal</i> (2019).	August 2019
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- Hernandez, Jessica & Vogt, Kristiina, A. "Indigenizing Restoration and Conservation at Discovery Park." *Human Biology* (2020). October 2020
- Hernandez, Jessica & Spencer, Michael. "Weaving Indigenous Sciences into Ecological Research: Culturally Grounding our Indigenous Scholarship." *Human Biology* (2020). October 2020
- Spencer, Michael, Fentress, Taurmini, Touch, Ammara, & Hernandez, Jessica. "Indigenous Knowledge Systems, Environmental Justice, and Native Hawaiians and Pacific Islanders." *Human Biology* (2020). October 2020

Book Chapters

- The Medicine Wheel: Environmental Decision-making Process of Indigenous Peoples. Chapter 4.8: Role of Environmental Economics in Environmental Justice March 2020

Book Supplement

- North Atlantic Books, *The Whale Child* by Keith Egawa and Chenoa Egawa. Developed: Environmental curriculum for children ages 7 to 12. October 2020

Book

- Fresh Banana Leaves: Healing Indigenous Landscapes through Indigenous Science. *Book Contract: April 2020*. Forthcoming March 2022

Guest Editor: Peer-Reviewed Journal

- Human Biology Journal, Special Edition: Indigenous Science & Ecology/Environmental Science May 2019- January 2020

Peer-Reviewer

- The Lancet Planetary Health January 2021-present
 Human Biology Journal May 2019- present
 Environmental Justice Journal March 2020- present

PRESENTATIONS

Oral Presentations

- American Indian Science and Engineering Society (AISES) Conference, *Indigenizing Science and Reasserting Indigeneity in Research*, Milwaukee, Wisconsin. October 2019
- Native American and Indigenous Student Association International Conference (NAISA), *Indigenizing Conservation, The Future of Research is Indigenous*, University of Waikato, New Zealand. June 2019



Native American and Indigenous Student Association International Conference, June 2018
 (NAISA) Presentation(s): *Indigenizing Environmental Justice in the Pacific Northwest & Making Waves: Empow(her)ed Native Women Indigenizing Environmental and Food Justice in the Pacific Northwest*. Los Angeles, CA

Invited Talks & Presentations

Supporting Indigenous Communities in the time of Climate Change & Global Pandemic, Indigenous Women's Series, Oberlin College. March 24, 2021

Indigenizing Environmental Science: Centering Indigenous Knowledge in Academia March 10, 2021

Food, Water, and Housing is Life. Office of Multicultural Student Success, DePaul University. February 19, 2021

Student Equitable Medicine Initiative (SEMI): Indigenous Communities & Environmental Racism February 9, 2021

Northwest Horticultural Society Annual Meeting, Center for Urban Horticulture, Presentation: *Indigenizing Restoration at Daybreak Star*. November 13, 2019

Black Lives on the Front Line: Climate Justice Discussions, Fridays For Future Seattle, Town Hall Seattle, Panel: *Local Climate Justice*. November 29, 2019

Indigenous Feminisms Speaker Series, UW "wələbʔaltxʷ" Intellectual House, University of Washington, Seattle, Presentation: *Indigenous Lands before Urban Parks*. December 6, 2019

2020 Urban Natural Areas Seminar: Let's Talk About Plants, UW Botanic Gardens Center for Urban Horticulture, Presentation: *Indigenous Lands Before Urban Parks: Indigenizing Restoration in Discovery Park*. January 29, 2020

Science in the City, Pacific Science Center, Panel: *Womxn of Color in STEM*. March 31, 2020

CONFERENCE & SYMPOSIUM PLANNING

Committee Member, Media Relations Director & Secretary: The Living Breath of wələbʔaltxʷ: Indigenous Foods and Ecological Knowledge 5th Annual Symposium. May 2018

Chair & Event Planner: Environmental (IN)Justice Showcase Symposium June 2017
May 2017

Committee Member, Media Relations Director & Secretary: The Living Breath of wələbʔaltxʷ: Indigenous Foods and Ecological Knowledge 5th Annual Symposium



- Co-Chair & Volunteer & Promotion Director: 16th Annual Research Symposium:
“Stories of Resistance from Indigenous Peoples.” May 2017
- Co-chair & Funding/Sponsorships Director: “Making NOIS-e for Standing Rock”
Fundraising Symposium/Teach-in December 2016
- Co-chair & Media Relations Director : 15th Annual Research Symposium—
“Scholarship as Resistance: Indigenous Research Unsettling the Academy.” May 2016
- Chair & Event Planner: AISES Regional 2 Conference April 2012

Urban Forestry Commission

5-14-21

13 Members: Pursuant to SMC 3.14.920, all members subject to City Council confirmation, 3-year terms:

- 6 City Council-appointed
- 6 Mayor-appointed
- 1 Commission-appointed

Roster:

*D	**G	RD	Position No.	Position Title	Name	Term Begin Date	Term End Date	Term #	Appointed By
6	F	6	1.	Wildlife Biologist	Julia Michalak	4/1/20	3/31/23	1	Council
6	NB	2	2.	Urban Ecologist	Elby Jones	4/1/20	3/31/23	1	Mayor
6	M	6	3.	Natural Resource Agency or University Representative	Weston Brinkley	4/1/19	3/31/22	2	Council
6	F	6	4.	Hydrologist or Similar Professional	Sarah Rehder	4/1/21	3/31/24	1	Mayor
6	M	4	5.	Arborist	Stuart Niven	4/1/21	3/31/24	2	Council
6	M	5	6.	Landscape Architect	Michael Walton	4/1/21	3/31/24	2	Mayor
6	M	3	7.	NGO Representative	Joshua N. Morris	14/1/19	3/31/22	1	Council
6	M	7	8.	Development Community or Utility Representative	David Moehring	1/19/21	3/31/22	1	Mayor
6	M	n/a	9.	Economist, Financial Analyst, Realtor, or Similar Professional	Blake Voorhees	4/1/20	3/31/23	1	Commission
9	F	7	10.	Get Engaged Member	Elena Arakaki	9/1/20	8/31/22	1	Mayor
9	F	4	11.	Environmental Justice Rep.	Jessica Hernandez	4/1/21	3/31/24	1	Council
6	F	7	12	Public Health Rep.	Jessica Jones	4/1/21	3/31/24	2	Mayor
2	F	6	13	Community/Neighborhood Rep.	Shari Selch	4/1/18	3/31/24	2	Council

SELF-IDENTIFIED DIVERSITY CHART

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)				
	Men	Women	Transgender	Unknown	Asian	Black/African American	Hispanic/Latino	American Indian/Alaska Native	Other	Caucasian/Non-Hispanic	Pacific Islander	Middle Eastern	Multiracial
Mayor	2	3		Non-Binary						5			1
Council	3	3				1				4			1
Other	1									1			
Total	6	6		1		1				10			2

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.