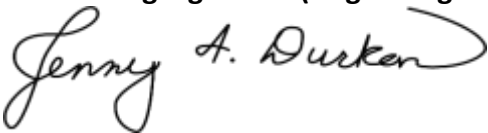




City of Seattle Boards & Commissions Notice of Appointment

Appointee Name: Nicole Joy Espy		
Board/Commission Name: Community Technology Advisory Board		Position Title: Member
<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:	Term of Position: * 1/1/2020 to 12/31/2021 <input checked="" type="checkbox"/> <i>Serving remaining term of a vacant position</i>	
Residential Neighborhood: Lower Queen Anne	Zip Code: 98109	Contact Phone No.: [REDACTED]
Background: Nicole is a HIV Diagnostic Project Manager at Fred Hutch. She brings an extraordinary wealth of knowledge of medical and health technology that is only more critical as the CTAB seeks to find ways that technology can equitably respond to public health crises such as Covid-19. According to Nicole, in light of our collective experience of the Covid epidemic and the continuing inequity experienced by black people in Seattle and the United States, she would like to use my experience as a black scientist to improve the lives of my neighbors and herself. Nicole has been an active member with the CTAB and is the Co-Chair of the CTAB's Privacy Subcommittee. The entirety of the CTAB board including the Chair and Vice-Chair strongly recommend Nicole's appointment.		
Authorizing Signature (original signature):  Date Signed (appointed): 1/8/2021	Appointing Signatory: Jenny A. Durkan Mayor, City of Seattle	

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

NICOLE JOY ESPY

Education

Harvard Graduate School of Arts and Sciences/ Harvard T.H. Chan School of Public Health

Ph.D. Biological Sciences in Public Health, 2011-2017.

Dissertation: "Effects of scarce CCR5 on HIV-1 Envelope infectivity and immunogenicity."

Yale College

B.S. Molecular Biophysics and Biochemistry, 2009.

Research Experience

HIV Diagnostics Project Manager | HIV Vaccine Trials Network, Frederick Hutchinson Cancer Research Center; Seattle, WA. Aug 2018 – Present.

- Drafted and will implement Work Practice Guidelines for laboratory operations in 4 international HIV Diagnostics labs.
- Managed the update of HIV diagnostic algorithms to ensure data quality for an essential endpoint in HVTN vaccine Phase I and Phase 2b/3 trials.
- Fielded ongoing issues in specimen processing, data management, HIV status determinations, and software updates.

Postdoctoral Research Fellow | United States Army Medical Research Institute of Infectious Diseases; Frederick, MD. Feb 2017 – Jul 2018.

- Lead a team of three in the viral genomic analysis of antiviral efficacy trials for private and government partners and generated reports for Investigational New Drug applications to the FDA.
- Instituted novel and efficient methods for the characterization of Ebola, Marburg, and Alphavirus viral populations in clinical samples.
- Published a first author manuscript describing the analysis of a pharmaceutical compound's mechanism of action in clinical samples.

Graduate Research Fellow | Harvard School of Public Health; Boston, MA. Sept 2011 – Jan 2017.

- Identified structural determinants of HIV adaptation to infection. Results were described in a first authored article published in a peer-reviewed journal.
- Developed syllabus and organized graduate-level classes on tuberculosis, global health, and human rights lead by subject matter experts.
- Awarded the NIH F31 Predoctoral Individual National Research Service Award amounting to ~\$35,000 tuition and research support per year for three years.

Intramural Research Training Awardee | National Institute of Allergy and Infectious Diseases, Washington, DC. Aug 2009 – Aug 2011.

- Initiated collaborations with technical experts for the evaluation of HIV protein-protein interactions.
- Awarded the NIH Intramural AIDS Research Fellowship, 2009.

Development Experience

Health of Urban Displaced Populations in Post-conflict Colombia | Graduate student, Medellin, Jan 2016.

- Used community based participatory research methods to identify the resource needs of displaced communities in Bello and Medellin, Colombia, and to write a policy memo that was presented to the mayor of Bello, national legislators, and members of the US State Department.

International Humanitarian Response Field Simulation, Harvard School of Public Health | Graduate student, 2015.

- Served as WASH leader in 3-day immersive field simulation of a humanitarian crisis.
- Trained in Sphere standards in humanitarian response and obtained relevant certificates for humanitarian action.

Pan American Health Organization | Emergency Operations Center Intern, Washington, DC. Summer 2009.

- Monitored and tracked natural disasters and emergencies in the Americas and assisted in the deployment of resources and expertise during H1N1 Influenza outbreak in Argentina.

- Prepared materials and coordinated logistics for interagency meetings attended by Organization of American States ambassadors.
 - Initiated and completed the revision of departmental standard operating procedures.
- International Rescue Committee** | Atlanta Resettlement Office Intern, Atlanta, GA. Summer 2008.
- Assisted Case Managers with the resettlement of refugee families, which included preparing Medicaid and WIC applications and completing all necessary immigration documents.

Leadership/Teamwork Experience

SamataRadio.org | Co-Founder and Podcast Host; 2015-2016.

- Finalist in the Tufts \$100k New Ventures Competition.
- Created the “Retitled” audio series, involving six interviews with academicians, global health policy makers, and government health workers.

Policylab.org | Editor and writer, 2013-2014.

- Editor and treasurer of student-led science policy blog in which I secured funding for on-campus activities linked to published articles.
- Contributed 2 articles on global cancer prevalence and community-based organizations for HIV care.

Science by the Pint | Event Coordinator, 2012-2014.

- Directed monthly science outreach events featuring local scientists, attracting audiences of 50-150 people.

Additional Skills

Computer: Python, R, Microsoft Office, Graphpad Prism, and other Bioinformatic tools.

Foreign Language: Spanish (conversational)

Publications

Espy N,* Pérez-Sautu U*, Ramírez de Arellano E, Negredo A, Wiley M, Bavari S, Díaz Menendez M, Sánchez-Seco M, Palacios G. (2018) *Ribavirin Had Demonstrable Effects on the Crimean-Congo Hemorrhagic Fever Virus (CCHFV) Population and Load in a Patient With CCHF Infection*. The Journal of Infectious Diseases, jiy163, <https://doi.org/10.1093/infdis/jiy163>.

Espy N, Pacheco B, Sodroski JG. (2017) *Adaptation of HIV-1 to cells with low expression of the CCR5 coreceptor*. Virology, 508: 90-107.

“21st International AIDS Conference: how do we unify and fund the future of HIV prevention?” PLOS Translational Global Health Blog, Contributor, 2016.

Johnson J, Zhai Y, Salimi H, **Espy N**, Eichelberger N, DeLeon O, O'Malley Y, Courter J, Smith AB 3rd, Madani N, Sodroski J, Haim H. (2017) *Induction of a Tier-1-Like Phenotype in Diverse Tier-2 Isolates by Agents That Guide HIV-1 Env to Perturbation-Sensitive, Nonnative States*. J Virol. 91(15). pii : e00174-17.

Witt KC, Castillo-Menendez L, Ding H, **Espy N**, Zhang S, Kappes JC, Sodroski J. (2015) *Antigenic characterization of the human immunodeficiency virus (HIV-1) envelope glycoprotein precursor incorporated into nanodiscs*. Cell Host Microbe 8;18(1):49-60.

Paul AS, Saha S, Engelberg K, Jiang RH, Coleman B, Kosber A, Chen CT, Ganter M, **Espy N**, Gilberger T, Gubbels M, Duraisingh, M. (2015) *Parasite calcineurin regulates host cell recognition and attachment by apicomplexans*. Cell Host Microbe 18: 49-60.

Herschhorn A, Gu C, **Espy N**, Richard J, Finzi A, Sodroski JG. (2014) *A broad HIV-1 inhibitor blocks envelope glycoprotein transitions critical for entry*. Nat. Chem. Bio. 10: 845-852.

McGee K, Haim H, Koriath-Schmitz B, **Espy N**, Javanbakht H, Letvin N and Sodroski J. (2014) *Selection of low envelope glycoprotein reactivity to soluble CD4 and cold during Simian-Human Immunodeficiency Virus infection of rhesus macaques*. J. Virol 88: 21-40.

Community Technology Advisory Board

10 Members: Pursuant to Ordinance 124736, all members subject to City Council confirmation, 2-year terms:

- 4 City Council- appointed
- 6 Mayor- appointed

Roster:

*D	**G	RD	Position No.	Position Title	Name	Term Begin Date	Term End Date	Term #	Appointed By
1	F		1.	Member at Large	Leah Shin	1/1/21	12/31/22	1	City Council
3	F	3	2.	Member at Large	Camille Malonzo	1/1/20	12/31/21	1	Mayor
6	M	7	3.	Member at Large	John C. Krull	1/1/20	12/31/21	1	Mayor
2	M	3	4.	Member at Large	Rene J. Peters	1/1/21	12/31/22	2	City Council
2	M	7	5.	Education Member	Lassana Magassa	1/1/21	12/31/22	2	Mayor
6	M	4	6.	Get Engaged Member	David Kirichenko	9/1/20	8/31/21	1	Mayor
2	M	7	7.	Member at Large	Tyrone Grandison	1/1/20	12/31/21	1	City Council
2	F	7	8.	Member at Large	Nicole Joy Espy	1/1/20	12/31/21	1	Mayor
2	M		9.	Member at Large	Femi Adebayo	1/1/21	12/31/22	1	City Council
6	M	3	10.	Public Access Member	Brandon Lindsey	1/1/21	12/31/22	2	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	4	2				2	1			3			
Council	3	1			1	3							
Other													
Total	7	3											

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.