

**Joselyn Landazuri Vinueza**  
Fred Hutchinson Cancer Research Center  
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## **EDUCATION AND TRAINING**

2019- PhD Candidate, University of Washington, Microbiology program.  
2019 Queens College, City University of New York. MA in Biology.  
2017 Queens College, City University of New York. B.A in Biology and Chemistry minor.

## **RESEARCH EXPERIENCE**

2019- Elucidating the mechanisms of transformation and tumorigenesis by Merkel Cell Polyomavirus Small Tumor Antigen. Dr. Galloway. Fred Hutch Cancer Research Center.

2018 Investigation of sex dimorphism of engulfment of microspheres by primary murine macrophages infected by influenza virus. Dr. Zakeri. Queens College City University New York.

2017 A Bcl-2 Family Member (*BOK*) Regulates Cell Death During Zika and Influenza Infections Dr. Zakeri. Queens College City University of New York. Dr. Katz. Yale School of Medicine.

2015 Dengue 2 infection induces ROS production and mitochondria morphology changes. Dr. Zakeri. Queens College City University of New York

## **PRESENTATIONS**

Landazuri J, Dye K, Salisbury N, Roman A, Galloway DA. *Characterize the Novel Interaction between Merkel Cell Polyomavirus Small T Antigen, and  $\delta$ -catenin and the Implications for Signaling and Oncogenesis*. 2nd International Symposium on Merkel Cell Carcinoma. (Poster presentation). April 2022. Seattle, USA.

Landazuri J, Dye K, Salisbury N, Roman A, Galloway DA. *Elucidating the Mechanisms of Transformation and Tumorigenesis by Merkel Cell Polyomavirus Small Tumor Antigen*. American Association for the Advancement of Science. February 2022. Virtual. **Best poster presentation award**.

Landazuri J, Episcopo D, Aminov S, Benjamin S, Germain G, Datan E, Lockshin RA, Zakeri A. Atorvastatin restricts the ability of influenza virus to generate lipid droplets and severely suppresses the replication of the virus. *International Cell Death Society*. June 2019. New York, USA. **Bester Poster presentation award**.

Landazuri J, Jabeen, S, Nagvenkar S, Czuj B, Javdan M, Entezari M, Lockshin R, Zakeri Z. Sex Dimorphism of Engulfment of Microspheres by Primary Murine Macrophages Infected by Influenza Virus. *Annual Biomedical Research Conference for Minority Students*. (Poster presentation). November 2018. Indianapolis, USA.

Landazuri J, Ghosh Roy S, Carpio MA, Means RE, Katz SG, Zakeri Z. A Bcl-2 Family Member (*BOK*) Regulates Cell Death During Zika and Influenza Infections. *International Cell Death Society*. June 2017. Rehovot, Israel. **Bester Poster presentation award**.

Landazuri J, Ghosh Roy S, Carpio MA, Katz SG and Zakeri Z. Regulation of cell death by Zika Virus in Different Cell Lines. *American Society of Microbiology* (Poster Presentation). June 2017. New Orleans, USA.

Landazuri Vinueza J, S Ghosh Roy, N Zali, E Datan, A Ramnauth, R A Lockshin, and Z Zakeri. Different Serotypes of Dengue as Well as Their Ns4a Proteins Protect MDCK By Up-regulating Autophagy Through Multiple Pathways. *International Cell Death Society*. June 2016. Cork, Ireland. **Bester Poster presentation award.**

Landazuri Vinueza J, Roy SG, Carpio M, Katz SG and Zakeri Z. Regulation of cell death by Zika Virus by means of the BCL-2 family member BOK. *Annual Biomedical Research Conference for Minority Students*. (Oral presentation). November 2016. Tampa, USA.

### HONORS AND AWARDS

- 2022 Invited Speaker for the ARCS Foundation site visit at the University of Washington.
- 2022 Graduate first place winner of the AAAs Student E-Poster Competition.
- 2021- [Viral Pathogenesis and Evolution Training Program \(NIH T32\)](#).
- 2021 NSPN-Alan Alda Center science communication workshop.
- 2019 Hispanic Scholarship Foundation Scholar.
- 2017 Queens College Foundation Travel Award.
- 2017 American Society of Microbiology Microbe Academy for Professional Development.
- 2017 American Society of Microbiology Undergraduate Research Capstone Fellowship Award.
- 2017 Invited Panel Speaker at La Guardia Community College.
- 2015 NIH Maximizing Access to Research Careers Undergraduate Scholar.

### TEACHING EXPERIENCE: ADJUNCT LECTURER

- 2021 University of Washington: Microm 302 and 411.
- 2018 Queens College, City University of New York: Bio 201 and 365.
- 2018 Queensborough Community College, City University of New York: Bio 140 and 201.

### PUBLICATIONS

Episcopio D, Aminov S, Benjamin S, Germain G, Datan E, **Landazuri J**, Lockshin RA, Zakeri A. Atorvastatin restricts the ability of influenza virus to generate lipid droplets and severely suppresses the replication of the virus. *FASEB J*. 2019.

Rozalina Abramov, Sounak Ghosh Roy, **Joselyn Landazuri**, Keivan Zandi, Richard A. Lockshin and Zahra Zakeri. The Flavonoid Quercetin Protects MDCK Cells against Toxicity of CPT by Induction of Autophagy. *Journal of Cell Signaling*. 2018

Sonia Nagvenkar, Donna Episcopio, **Joselyn Landazuri**, Mohammad Javdan, Maria Entezari, Richard A. Lockshin, and Zahra Zakeri. Sexual dimorphism in cell behavior and sensitivity to death of primary macrophages. *The Italian Journal of Gender-Specific Medicine*. 2018

### OUTREACH ACTIVITIES

- 2021- Foundation for International Understanding through Students student member board.
- 2021- Facing Homelessness volunteer.

### REFERENCES

Dr. Denise A Galloway  
Director, Pathogen Associated Malignancies IRC  
Fred Hutchinson Cancer Research Center  
[dgallowa@fhcrc.org](mailto:dgallowa@fhcrc.org)  
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Dr. Zahra Zakeri  
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MARC U-Star Program Director  
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