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| StefanieIverson Cabral, PhD  University of Washington, Bothell  School of Nursing & Health Studies  18115 Campus Way NE, Box 359532  Bothell, WA 98011-8246  [slic@uw.edu](mailto:slic@uw.edu) |

# education

|  |  |
| --- | --- |
| 2009-2012 | Post-Doctoral Fellow **University of Washington Center for AIDS & STD Research, Seattle, WA**  **Advisor**: Patricia Totten, Ph.D. |
| 2008 | Ph.D., **Pathobiology** **University of Washington, Seattle, WA**  **Dissertation**: Genetic Variation in *Mycoplasma genitalium*: Antigenic Diversity & Persistence of Infection within a Genomically Challenged Pathogen  **Chair**: Patricia Totten, Ph.D. |
| 2001 | B.S., **Microbiology** **California Polytechnic State University, San Luis Obispo, CA**  **Minor**: Biotechnology  **Senior Project**: The Role Multiple Upstream Start Codons Play in the Regulation of the PIS Gene in *Saccharomyces cerevisiae*  **Advisors**: Susan Elrod, Ph.D. (Cal Poly) & Virginia McDonough, Ph.D. (Hope College) |

# Academic Appointments & Teaching Positions

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| --- | --- |
| 2020-present | Assistant Teaching Professor School of Nursing & Health Studies, University of Washington, Bothell, WA |
| 2019-2020 | Lecturer School of Nursing & Health Studies, University of Washington, Bothell, WA |
| 2015-2019 | Part-Time Lecturer School of Nursing & Health Studies, University of Washington, Bothell, WA |
| 2015 | Adjunct Teaching Professor Trinity Lutheran College, Everett, WA |
| 2008-2013 | Adjunct Teaching Professor Life Science Program, Everett Community College, Everett, WA |
| 2012 | Adjunct Teaching Professor Biology Department, Seattle Pacific University, Seattle, WA |
| 2006 | Teaching Assistant School of Public Health, University of Washington, Seattle, WA |
| 2001-2002 | Teaching Aide Morgan Autism Center, San Jose, CA |

# Research Positions, Fellowships & Grants

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| --- | --- |
| 2013-2016 | Research Scientist, Department of Medicine **Principle Investigator**: Patricia Totten, Ph.D., University of Washington, Seattle, WA |
| 2012-2014 | Research Scientist, Department of Medicine **Principle Investigators**: Lorenzo Giacani, Ph.D. & Arturo Centurion-Lara, M.D., University of Washington, Seattle, WA |
| 2009-2012 | STD/AIDS Post-Doctoral Training Grant, Center for AIDS & STD Research **Principle Investigator**: Patricia Totten, Ph.D., University of Washington, Seattle, WA |
| 2002-2008 | STD/AIDS Pre-Doctoral Training Grant, Center for AIDS & STD Research **Principle Investigator**: Patricia Totten, Ph.D., University of Washington, Seattle, WA |
| 1999 | National Science Foundation Research Experience for Undergraduates **Mentor**: Virginia McDonough, Ph.D., Hope College, Holland, MI |

# Professional Training & Development

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| --- | --- |
| *In Progress* | Compassionate Teaching in Higher Education Strong Brain Institute, East Tennessee University, Johnson City, TN |
| *In Progress* | Fundamentals of ACE's & Resilience Strong Brain Institute, East Tennessee University, Johnson City, TN |
| 2022 | Building Skills to Foster the Beloved Community! Office of Diversity, Equity, & Inclusion, University of Washington, Bothell, WA |
| 2020 | Teaching Online 101 & 201 Center for Teaching & Learning, University of Washington, Bothell, WA |
| 2011 | Future Faculty Fellows Program Annual Postdoctoral Workshop Department of Medicine, University of Washington, Seattle, WA |
| 2011 | Science Communication Fellowship Program Pacific Science Center, Seattle, WA |
| 2011 | How to Teach Online WA State Board for Community & Technical Colleges |
| 2011 | Writing Workshop Department of Medicine, Seattle, WA |
| 2006, 2010, & 2011 | Biomedical Research Integrity Series AIDS/STD Training Program, University of Washington, Seattle, WA |
| 2006 | Principles of AIDS/STD Research AIDS/STD Training Program, University of Washington, Seattle, WA |

# Honors & Awards

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| 2022 | Distinguished Teaching Award Awarded by the University of Washington, Bothell in recognition of teaching that richly exemplifies the high standards of the campus’ academic mission. |
| 2020 & 2021 | Distinguished Teaching Award Nomination University of Washington, Bothell |
| 2018 | American Society for Microbiology Travel Grant Awarded by the American Society for Microbiology Conference on Undergraduate Education |
| 2007 | Pathobiology Student of the Year Awarded by the UW School of Public Health. |
| 2006 | Henry Morton Student Award in Mycoplasmology Awarded at the 16th International Organization for Mycoplasmology Congress. Cambridge, England, UK |
| 2001 | Excellence in Oral Presentation & Best Student Paper in Molecular Genetics Awarded at the 26th annual West Coast Biological Sciences Undergraduate Research Conference. Santa Clara, CA, United States. Iverson, S.L., & McDonough, V. (2001, April-28) The role multiple upstream start codons play in the regulation of the PIS gene in *Saccharomyces cerevisiae*. |

# Research & Scholarship

## Peer-Reviewed Publications

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| --- |
| 1. **Iverson-Cabral S. L.** (2021). Isn't It Ironic? Adapting an Elective on Quarantine and Isolation for Online Delivery Due to a Pandemic. *Journal of microbiology & biology education*, 22(1), 22.1.43. <https://doi.org/10.1128/jmbe.v22i1.2491> 2. Wood, G. E., **Iverson-Cabral, S. L.**, Gillespie, C. W., Lowens, M. S., Manhart, L. E., & Totten, P. A. (2020). Sequence variation and immunogenicity of the *Mycoplasma genitalium* MgpB and MgpC adherence proteins during persistent infection of men with non-gonococcal urethritis. *PloS one*, 15(10), e0240626. <https://doi.org/10.1371/journal.pone.0240626> 3. Burgos, R., Wood, G. E., **Iverson-Cabral, S. L.**, & Totten, P. A. (2018). *Mycoplasma genitalium* Nonadherent Phase Variants Arise by Multiple Mechanisms and Escape Antibody-Dependent Growth Inhibition. *Infection and immunity*, 86(4), e00866-17. <https://doi.org/10.1128/IAI.00866-17> 4. Wood, G. E., Patton, D. L., Cummings, P. K., **Iverson-Cabral, S. L.**, & Totten, P. A. (2017). Experimental Infection of Pig-Tailed Macaques (*Macaca nemestrina*) with *Mycoplasma genitalium*. *Infection and immunity*, 85(2), e00738-16. <https://doi.org/10.1128/IAI.00738-16> 5. **Iverson-Cabral, S. L.**, Wood, G. E., & Totten, P. A. (2015). Analysis of the *Mycoplasma genitalium* MgpB Adhesin to Predict Membrane Topology, Investigate Antibody Accessibility, Characterize Amino Acid Diversity, and Identify Functional and Immunogenic Epitopes. *PloS one*, 10(9), e0138244. <https://doi.org/10.1371/journal.pone.0138244> 6. Giacani, L., Brandt, S. L., Ke, W., Reid, T. B., Molini, B. J., **Iverson-Cabral, S.**, Ciccarese, G., Drago, F., Lukehart, S. A., & Centurion-Lara, A. (2015). Transcription of TP0126, *Treponema pallidum* putative OmpW homolog, is regulated by the length of a homopolymeric guanosine repeat. *Infection and immunity*, 83(6), 2275–2289. <https://doi.org/10.1128/IAI.00360-15> 7. Giacani, L., **Iverson-Cabral, S. L.**, King, J. C., Molini, B. J., Lukehart, S. A., & Centurion-Lara, A. (2014). Complete Genome Sequence of the *Treponema pallidum* subsp. *pallidum* Sea81-4 Strain. *Genome announcements*, 2(2), e00333-14. <https://doi.org/10.1128/genomeA.00333-14> 8. Wood, G. E., **Iverson-Cabral, S. L.**\*, Patton, D. L., Cummings, P. K., Cosgrove Sweeney, Y. T., & Totten, P. A. (2013). Persistence, immune response, and antigenic variation of *Mycoplasma genitalium* in an experimentally infected pig-tailed macaque (*Macaca nemestrina*). *Infection and immunity*, 81(8), 2938–2951. <https://doi.org/10.1128/IAI.01322-12> (\*First and second authors contributed equally) 9. **Iverson-Cabral, S. L.**, Manhart, L. E., & Totten, P. A. (2011). Detection of *Mycoplasma genitalium*-reactive cervicovaginal antibodies among infected women. *Clinical and vaccine immunology* : CVI, 18(10), 1783–1786. <https://doi.org/10.1128/CVI.05174-11> 10. **Iverson-Cabral, S. L.**, Astete, S. G., Cohen, C. R., & Totten, P. A. (2007). *mgp*B and *mgp*C sequence diversity in *Mycoplasma genitalium* is generated by segmental reciprocal recombination with repetitive chromosomal sequences. *Molecular microbiology*, 66(1), 55–73. <https://doi.org/10.1111/j.1365-2958.2007.05898.x> 11. Cohen, C. R., Nosek, M., Meier, A., Astete, S. G., **Iverson-Cabral, S.**, Mugo, N. R., & Totten, P. A. (2007). *Mycoplasma genitalium* infection and persistence in a cohort of female sex workers in Nairobi, Kenya. *Sexually transmitted diseases*, 34(5), 274–279. <https://doi.org/10.1097/01.olq.0000237860.61298.54> 12. **Iverson-Cabral, S. L.**, Astete, S. G., Cohen, C. R., Rocha, E. P., & Totten, P. A. (2006). Intrastrain heterogeneity of the *mgp*B gene in *Mycoplasma genitalium* is extensive *in vitro* and *in vivo* and suggests that variation is generated via recombination with repetitive chromosomal sequences. *Infection and immunity*, 74(7), 3715–3726. <https://doi.org/10.1128/IAI.00239-06> 13. **Iverson, S.**, Sonnemann, K., Reddick, A., & McDonough, V. (2006). Expression of the *Saccharomyces cerevisiae* PIS1 gene is modulated by multiple ATGs in the promoter. *Biochemical and biophysical research communications*, 350(1), 91–96. <https://doi.org/10.1016/j.bbrc.2006.08.196> |

## Peer-Reviewed Presentations

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| 1. **Iverson-Cabral, S.L.** (2023, November 17-19) Experiences using Clinical Correlates as an Active Learning Assessment Tool in an Undergraduate “Disease Detectives” Elective. [poster presentation] 2023 ASM Conference on Undergraduate Education (ASMCUE), Phoenix, AZ, United States. 2. **Iverson-Cabral, S.L.** (2023, June 15-19) Opportunities and strategies to integrate social justice with microbiology education. [oral presentation] 2023 ASM Microbe Meeting, Houston, TX, United States. 3. **Iverson-Cabral, S.L.** (2023, March 22-25) Art and infectious disease: experiences using art as a teaching and assessment tool in science education. [oral presentation] 2023 National Conference on Science Education, Atlanta, GA, United States. 4. **Iverson-Cabral, S.L.** (2021, June 29-July 1) Students’ personal experiences with infectious diseases: The importance of trauma informed teaching. [oral presentation] 2021 Conference on Undergraduate Education (ASMCUE). Online Conference. 5. **Iverson-Cabral, S.L.**, Wood, G.E., Cumming, P.K., Cosgrove Sweeney, Y.T., Patton, D.L., & Totten, P.A. (2012, July 15-20) Genetic diversity, reciprocal recombination, and antigenic variation during persistent *Mycoplasma genitalium* infection of a non-human primate. [oral presentation] Nineteenth International Organization for Mycoplasmology Congress. Toulouse, France. 6. **Iverson-Cabral, S.L.**, Wood, G.E., Cummings, P.K., Cosgrove Sweeney, Y.T., Patton, D.L, & Totten, P.A. (2011, September 11-13) The evolution of antigenic diversity and development of an antibody response in a primate model of *Mycoplasma genitalium* infection. [poster presentation] Cold Springs Harbor Microbial Pathogenesis and Host Response. Cold Springs Harbor, New York, United States. 7. **Iverson-Cabral, S.L.**, Wood, G.E., Glass, J.I., & Totten, P.A. (2008, July 6-11) Frequency of recombination between *mgp*C and MgPar 7 in *Mycoplasma genitalium* G37. [poster presentation] Seventeenth International Organization for Mycoplasmology Congress. Tianjin, China. 8. **Iverson-Cabral, S.L.**, Demaster, L.K., Manhart, L.E., Cohen, C.R., & Totten, P.A. (2008, June 1-5) The MgPa Adhesin Protein Induces a Local and Systemic Antibody Response among Women Infected with *Mycoplasma genitalium*. [poster presentation] One hundred and eighth annual American Society of Microbiology general meeting. Boston, Massachusetts, United States 9. **Iverson-Cabral, S.L.**, Astete, S.G., Cohen, C.R., & Totten, P.A. (2007, May 21-25) Reciprocal Recombination is Responsible for Genetic Diversity of the *mgp*C Gene in *Mycoplasma genitalium*. [oral presentation] One hundred and seventh annual American Society of Microbiology general meeting. Toronto, Canada. 10. **Iverson-Cabral, S.L.**, Astete, S.G., Cohen, C.R., Rocha, E.P., & Totten, P.A. (2006, July 9-14) Intrastrain heterogeneity of the *mgp*B and *mgp*C genes in *Mycoplasma genitalium* is extensive *in vitro* and *in vivo* and suggests variation is generated via recombination with repetitive chromosomal sequences. [poster presentation] Sixteenth International Organization for Mycoplasmology Congress. Cambridge, England, UK 11. **Iverson-Cabral, S.L.**, Astete, S.G., Cohen, C.R., & Totten, P.A. (2005, July 10-15) Heterogeneity of the *mgp*B gene in *Mycoplasma genitalium*, a mechanism for persistence? [oral presentation] Sixteenth biennial meeting of the International Society for Sexually Transmitted Diseases Research. Amsterdam, The Netherlands. |

## Invited Professional & Classroom Presentations

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| 2021 & 2022 | Laboratory Medicine & COVID-19 Collaborative International Online Learning between Tokyo Medical & Dental University & the University of Washington, Bothell, WA |
| 2020 | Lessons from Pandemics of the Past *2020: The Course*, University of Washington Seattle, Bothell, & Tacoma, WA <https://www.washington.edu/uaa/academic-resources/2020-the-course/stefanie-iverson-cabral/> |
| 2020 | Vaccines & Herd Immunity Coronavirus Pandemic: Ethical & Legal Considerations in Pandemic Response (BHLTH 497), University of Washington, Bothell, WA |
| 2020 | Overview of Sexually Transmitted Infections Foundations & Principles of Health Education & Communication (BHLTH 435), University of Washington, Bothell, WA |
| 2016 | Infectious Disease & Immunology Confronting Global Diseases: Introductory Biological Principles & Context (GH 210) University of Washington, Seattle, WA |
| 2011 | The Little Pathogen that Could, Lessons from a Minimal Organism Northwest Association for Biomedical Research Ethics Short Course for Educators  Fred Hutchison Cancer Research Institute, Seattle, WA |
| 2010 | *Mycoplasma genitalium*: Persistence of Infection & Immune Evasion in a Genomically Challenged Pathogen Natural Science Capstone Seminar (CHM 4899) Seattle Pacific University, Seattle, WA |
| 2010 | Sexually Transmitted Infections: Romantic Gifts that Keep on Giving Diseases of Modern Importance (BIOL 105) Everett Community College, Everett, WA |
| 2010 | The Little Pathogen that Could Pacific Science Center Science Café, Seattle, WA  <https://www.youtube.com/watch?v=7jHWrKZu-k4> |
| 2007 | Maximum Variation in a Minimal Organism: How does Genetic Diversity Influence *Mycoplasma genitalium* Persistence? 17th Biennial Meeting of the International Society for Sexually Transmitted Disease Research, Seattle, WA |
| 2006 | Genetic Variability in *Mycoplasma genitalium*: A Mechanisms for Persistence of Infection? University of Washington AIDS & STD Research Symposium, Seattle, WA |
| 2005 | Heterogeneity of the *mgp*B gene in *Mycoplasma genitalium*: A mechanism for persistence? Antigenic Variation Minicourse (PABIO 591) University of Washington, Seattle, WA |

# Teaching & Mentorship

## Undergraduate & Graduate COURSEWORK

You can find an overview of my teaching at the University of Washington, Bothell below, including year(s) a course was taught; an **\*** denotes courses I have developed.

### Health Studies Bachelor of Arts

1. Introduction to Public Health; BHS 201 (‘21, ‘22, & ‘23)
2. Pathways to Health Studies; BHS 210 (‘17, ‘20, & ‘21)
3. Community Health Promotion and Communication; BHS 210 (’23)
4. Principles of Health Research; BHS 300 (‘19, ‘21, ‘22, ‘23)
5. Introduction to Epidemiology; BHS 403 (‘23)
6. Health Studies Senior Portfolio; BHS 495 (‘18)

### Bachelor of Science in Nursing

1. Critical Reading & Information Literacy in Nursing; BNURS 360 (‘22)
2. Evidence Based Practice & Nursing Inquiry; BNURS 403 (‘16)

### School of Science, Technology, Engineering, & Math

1. Medical Microbiology; BBIO 260 (‘18)

### Master of Nursing

1. Pathway Planning, Practicum, & Portfolio; BNURS 505 (‘20, ‘21, & ‘22)
2. Capstone Project; BNURS 592 (‘21 & ‘22)

### Electives

1. **\***Monsters, Myths, & Medicine; BCUSP 140 (‘16)
2. **\***Disease, Human History, Society, & Medicine; BHLTH 224 (‘15, ‘16, ‘17, ‘18, ‘19, ‘20, & ‘22)
3. **\***Introduction to Cancer Biology; BHLTH 225 (’17, ’18, ’19, ’20, ’21, & ’23)
4. Race, Socioeconomic Status, & Health; BHLTH 226 (’19)
5. **\***Infectious Disease Detectives; BHLTH 228 (’18, ’19, ’20, ’21, ’22, & ’23)
6. **\***Quarantine & Isolation; BHLTH 229 (’18, ’20, & ’22)
7. **\***Microbiology, Human Disease, & Global Health; BHLTH 402 (’15, ’16, ’17, & ’19)
8. **\***Infectious Disease & Art; BHLTH 406 (’17, ’18, ’19, ’20, ’21, ’22, & ’23)
9. **\***Plagues, Stigma, & Fear; BHLTH 413 (’16, ’18, ’20)
10. **\***Culture, Society, & Sexually Transmitted Infections; BHLTH 492 (’15 & ’18)
11. **\***Global Health & Infectious Disease Diagnostics; BHLTH 497 (’17)
12. **\***Ebola: Transmission, Prevention, Stigma, & Fear; BNURS 497 (’16)
13. **\***Society, Equity, Anatomy, Medicine, & Disease; BHLTH 550 (course approved in ’23)

### Independent Studies

1. Special Project in Health, Independent Study; BHLTH 498 (’17, ’19, & ’22)
2. Undergraduate Research in Health Studies; BHLTH 499 (’18, ’19, ’20, & ’22)
3. Independent Graduate Project/Research; BNURS 600 (‘16)

### select Courses Taught as an Adjunct Faculty Member at Other Institutions

1. \*Diseases of Modern Importance
2. Emerging & Reemerging Infectious Diseases
3. General Microbiology
4. Introduction to Microbiology

## Mentorship

### Professional Teaching Mentorship

|  |  |
| --- | --- |
| 2023 | Natalie Rejito, Ph.D. Nursing Student at the University of Washington, Seattle (NURS 610, Teaching Practicum) |

### Graduate Masters Committees | University of Washington, Bothell

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| --- | --- |
| 2022-2023 | Janelle Reidy, MN. Second Reader. |
| 2021-2022 | Vanessa Rogers, MN. Chair.Taylor Sytsma, MN. Second Reader & Interim Chair. |
| 2020-2022 | Catherine Nolan, MN. Chair. |
| 2020-2021 | Anna Callen, MN. Chair.Kat Wright, MN. Second Reader. |
| 2019-2020 | Tracy Wellington, MN. Second Reader. |

### Independent Studies Research | University of Washington, Bothell

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| --- | --- |
| 2022 | Brittany Howell, Health Studies Undergraduate Student |
| 2020 | Dolma Shepard, Health Studies Undergraduate Student |
| 2019 | Kelly Stevens, Health Studies Undergraduate StudentCheyenne Neff, Health Studies Undergraduate StudentMira Klein, Health Studies Undergraduate Student |
| 2018-2019 | Kimberley Cross, Health Studies Undergraduate Student |
| 2018 | Chelsea Eckart, Master of Nursing StudentChelsea Rios, Health Studies Undergraduate Student |
| 2017 | Theresa Diaz, Health Studies Undergraduate StudentJesse Prinz, Health Studies Undergraduate Student |

# Service

## Academic Service at the University of Washington, Bothell

|  |  |
| --- | --- |
| 2023 | Instructional Coach Search Committee. Member. |
| 2022-present | Campus Council on Academic Standards & Curriculum (CCASC). Nursing & Health Studies Representative. |
| 2022-present | Cross Disciplinary Teaching & Scholarship Work Group. Member. |
| 2021-present | Campus Council on Planning & Budget (CCPB). Nursing & Health Studies Representative. |
| 2021-2022 | Global Initiatives Advisory Board. Member. |
| 2021 & 2022- present | School of Nursing & Health Studies Elected Faculty Council (EFC). Member. |
| 2020-present | Health Studies Master’s Degree Working Group. Member. |
| 2020-2022 | Health Studies Curriculum Committee. Member. |
| 2020 | Emergency Remote Learning Instructional Support Team. Member. |
| 2019-2020 | Bachelor of Nursing Curriculum Committee. Member. |
| 2019-2021 | School of Nursing & Health Studies Policy Committee. Member. |
| 2018-2021 | Strategic Planning Committee, Pillar I. Co-Chair. |

## Professional Service

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| --- | --- |
| 2023-present | American Society for Microbiology Center for the History of Microbiology/ ASM Archives. Subcommittee Member. |
| 2019-2021 | American Society for Microbiology Conference for Undergraduate Education Planning Committee. Local Liaison. |
| 2012-2013 | Pacific Science Center, Seattle, WA. Science Communication Fellow & Volunteer. |
| 2007 & 2008 | National Association for Biomedical Research. Judge for “Biomedical Breakthroughs & My Life” Essay Contest. |
| 2007 | National Association for Biomedical Research BioExpo Program. Mentor. |
| 2006 & 2007 | National Association for Biomedical Research BioExpo Program. Judge for Genomics & Creative Writing. |
| 2006 | Seattle Biomedical Research Institute BioQuest Academy. Mentor. |

## Community Service

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| --- | --- |
| 2019-2022 | Northshore School District, Racial & Educational Justice Committee. Gender & Sexuality Subcommittee Member. |
| 2013-2020 | Woodin Elementary School. Elementary Art Docent. |
| 2018-2019 | Woodin Elementary School Parent Teacher Association (PTA). Board Member. |

# Professional Memberships

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| --- | --- |
| 2023-present | Washington State Public Health Association |
| 2019-present | National Science Teaching Association |
| 2018-present | American Association for the History of Medicine |
| 2007-present | American Society for Microbiology |
| 2006-2018 | International Organization for Mycoplasmology |
| 1999-2001 | Cal Poly Society for Microbiology & Biotechnology |