

# Stefanie Iverson Cabral, PhD

University of Washington, Bothell  
School of Nursing & Health Studies  
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## EDUCATION

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

## ACADEMIC APPOINTMENTS & TEACHING POSITIONS

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

## RESEARCH POSITIONS, FELLOWSHIPS & GRANTS

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

## PROFESSIONAL TRAINING & DEVELOPMENT

2023	<b>Compassionate Teaching in Higher Education</b> Strong Brain Institute, East Tennessee University, Johnson City, TN
2023	<b>Fundamentals of ACE's &amp; Resilience</b> Strong Brain Institute, East Tennessee University, Johnson City, TN
2022	<b>Building Skills to Foster the Beloved Community!</b> Office of Diversity, Equity, & Inclusion, University of Washington, Bothell, WA
2020	<b>Teaching Online 101 &amp; 201</b> Center for Teaching & Learning, University of Washington, Bothell, WA
2011	<b>Future Faculty Fellows Program Annual Postdoctoral Workshop</b> Department of Medicine, University of Washington, Seattle, WA
2011	<b>Science Communication Fellowship Program</b> Pacific Science Center, Seattle, WA
2011	<b>How to Teach Online</b> WA State Board for Community & Technical Colleges
2011	<b>Writing Workshop</b> Department of Medicine, Seattle, WA
2006, 2010, & 2011	<b>Biomedical Research Integrity Series</b> AIDS/STD Training Program, University of Washington, Seattle, WA
2006	<b>Principles of AIDS/STD Research</b> AIDS/STD Training Program, University of Washington, Seattle, WA

## HONORS & AWARDS

2022	<b>Distinguished Teaching Award</b> Awarded by the University of Washington, Bothell in recognition of teaching that richly exemplifies the high standards of the campus' academic mission.
2020 & 2021	<b>Distinguished Teaching Award Nomination</b> University of Washington, Bothell
2018	<b>American Society for Microbiology Travel Grant</b> Awarded by the American Society for Microbiology Conference on Undergraduate Education
2007	<b>Pathobiology Student of the Year</b> Awarded by the UW School of Public Health.
2006	<b>Henry Morton Student Award in Mycoplasma</b> Awarded at the 16 <sup>th</sup> International Organization for Mycoplasma Congress. Cambridge, England, UK
2001	<b>Excellence in Oral Presentation &amp; Best Student Paper in Molecular Genetics</b> Awarded at the 26 <sup>th</sup> 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 <i>Saccharomyces cerevisiae</i> .

## RESEARCH & SCHOLARSHIP

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### PEER-REVIEWED PUBLICATIONS

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). *mgpB* and *mgpC* 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.qlg.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 *mgpB* 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

1. **Iverson-Cabral, S.L.** (2023, June 15-19) Opportunities and strategies to integrate social justice with microbiology education. [accepted session proposal] 2023 ASM Microbe Meeting, Houston, TX, United States.
2. **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.
3. **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.

4. **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 Mycoplasma Congress. Toulouse, France.
5. **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.
6. **Iverson-Cabral, S.L.**, Wood, G.E., Glass, J.I., & Totten, P.A. (2008, July 6-11) Frequency of recombination between *mgpC* and *MgPar 7* in *Mycoplasma genitalium* G37. [poster presentation] Seventeenth International Organization for Mycoplasma Congress. Tianjin, China.
7. **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
8. **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 *mgpC* Gene in *Mycoplasma genitalium*. [oral presentation] One hundred and seventh annual American Society of Microbiology general meeting. Toronto, Canada.
9. **Iverson-Cabral, S.L.**, Astete, S.G., Cohen, C.R., Rocha, E.P., & Totten, P.A. (2006, July 9-14) Intrastrain heterogeneity of the *mgpB* and *mgpC* 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 Mycoplasma Congress. Cambridge, England, UK
10. **Iverson-Cabral, S.L.**, Astete, S.G., Cohen, C.R., & Totten, P.A. (2005, July 10-15) Heterogeneity of the *mgpB* 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

<b>2021 &amp; 2022</b>	<b>Laboratory Medicine &amp; COVID-19</b> Collaborative International Online Learning between Tokyo Medical & Dental University & the University of Washington, Bothell, WA
<b>2020</b>	<b>Lessons from Pandemics of the Past</b> 2020: The Course, University of Washington Seattle, Bothell, & Tacoma, WA <a href="https://www.washington.edu/uaa/academic-resources/2020-the-course/stefanie-iverson-cabral/">https://www.washington.edu/uaa/academic-resources/2020-the-course/stefanie-iverson-cabral/</a>
<b>2020</b>	<b>Vaccines &amp; Herd Immunity</b> Coronavirus Pandemic: Ethical & Legal Considerations in Pandemic Response (BHLTH 497), University of Washington, Bothell, WA

2020	<b>Overview of Sexually Transmitted Infections</b> Foundations & Principles of Health Education & Communication (BHLTH 435), University of Washington, Bothell, WA
2016	<b>Infectious Disease &amp; Immunology</b> Confronting Global Diseases: Introductory Biological Principles & Context (GH 210) University of Washington, Seattle, WA
2011	<b>The Little Pathogen that Could, Lessons from a Minimal Organism</b> Northwest Association for Biomedical Research Ethics Short Course for Educators Fred Hutchison Cancer Research Institute, Seattle, WA
2010	<b><i>Mycoplasma genitalium</i>: Persistence of Infection &amp; Immune Evasion in a Genomically Challenged Pathogen</b> Natural Science Capstone Seminar (CHM 4899) Seattle Pacific University, Seattle, WA
2010	<b>Sexually Transmitted Infections: Romantic Gifts that Keep on Giving</b> Diseases of Modern Importance (BIOL 105) Everett Community College, Everett, WA
2010	<b>The Little Pathogen that Could</b> Pacific Science Center Science Café, Seattle, WA <a href="https://www.youtube.com/watch?v=7jHWrKZu-k4">https://www.youtube.com/watch?v=7jHWrKZu-k4</a>
2007	<b>Maximum Variation in a Minimal Organism: How does Genetic Diversity Influence <i>Mycoplasma genitalium</i> Persistence?</b> 17 <sup>th</sup> Biennial Meeting of the International Society for Sexually Transmitted Disease Research, Seattle, WA
2006	<b>Genetic Variability in <i>Mycoplasma genitalium</i>: A Mechanisms for Persistence of Infection?</b> University of Washington AIDS & STD Research Symposium, Seattle, WA
2005	<b>Heterogeneity of the <i>mgpB</i> gene in <i>Mycoplasma genitalium</i>: A mechanism for persistence?</b> Antigenic Variation Minicourse (PABIO 591) University of Washington, Seattle, WA

## TEACHING & MENTORSHIP

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### UNDERGRADUATE & GRADUATE COURSEWORK

Below you can find a list of my teaching at the University of Washington, Bothell, and the years in which they were taught. Courses noted with an \* represent those 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. BHS 300: Principles of Health Research; BHS 300 ('19, '21, '22, '23)
4. Introduction to Epidemiology; BHS 403 ('23)
5. Health Studies Senior Portfolio; BHS 495 ('18)

## **BACHELOR OF SCIENCE IN NURSING**

6. Critical Reading & Information Literacy in Nursing; BNURS 360 ('22)
7. Evidence Based Practice & Nursing Inquiry; BNURS 403 ('16)

## **SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING, & MATH**

8. Medical Microbiology; BBIO 260 ('18)

## **MASTER OF NURSING**

9. Pathway Planning, Practicum, & Portfolio; BNURS 505 ('20, '21, & '22)
10. Capstone Project; BNURS 592 ('21 & '22)

## **ELECTIVES**

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

## **INDEPENDENT STUDIES**

24. Special Project in Health, Independent Study; BHLTH 498 ('17, '19, & '22)
25. Undergraduate Research in Health Studies; BHLTH 499 ('18, '19, '20, & '22)
26. 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, PhD Nursing Student at the University of Washington, Seattle (NURS 610, Teaching Practicum)
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## GRADUATE MASTERS COMMITTEES | UNIVERSITY OF WASHINGTON, BOTHELL

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

2022	Brittany Howell, Health Studies Undergraduate Student
2020	Dolma Shepard, Health Studies Undergraduate Student
2019	Kelly Stevens, Health Studies Undergraduate Student Cheyenne Neff, Health Studies Undergraduate Student Mira Klein, Health Studies Undergraduate Student
2018-2019	Kimberley Cross, Health Studies Undergraduate Student
2018	Chelsea Eckart, Master of Nursing Student Chelsea Rios, Health Studies Undergraduate Student
2017	Theresa Diaz, Health Studies Undergraduate Student Jesse Prinz, Health Studies Undergraduate Student

## SERVICE

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### ACADEMIC SERVICE AT THE UNIVERSITY OF WASHINGTON, BOTHELL

2023-present	Instructional Coach Search Committee. <b>Member.</b>
2022-present	Campus Council on Academic Standards & Curriculum (CCASC). <b>Nursing &amp; Health Studies Representative.</b>
2022-present	Cross Disciplinary Teaching & Scholarship Work Group. <b>Member.</b>
2021-present	Campus Council on Planning & Budget (CCPB). <b>Nursing &amp; Health Studies Representative.</b>
2021-2022	Global Initiatives Advisory Board. <b>Member.</b>
2021 & 2022-present	School of Nursing & Health Studies Elected Faculty Council (EFC). <b>Member.</b>
2020-present	Health Studies Master's Degree Working Group. <b>Member.</b>
2020-2022	Health Studies Curriculum Committee. <b>Member.</b>



<b>2020</b>	Emergency Remote Learning Instructional Support Team. <b>Member.</b>
<b>2019-2020</b>	Bachelor of Nursing Curriculum Committee. <b>Member.</b>
<b>2019-2021</b>	School of Nursing & Health Studies Policy Committee. <b>Member.</b>
<b>2018-2021</b>	Strategic Planning Committee, Pillar I. <b>Co-Chair.</b>

## PROFESSIONAL SERVICE

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

## COMMUNITY SERVICE

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

## PROFESSIONAL MEMBERSHIPS

<b>2023-present</b>	<b>Washington State Public Health Association</b>
<b>2019-present</b>	<b>National Science Teaching Association</b>
<b>2018-present</b>	<b>American Association for the History of Medicine</b>
<b>2007-present</b>	<b>American Society for Microbiology</b>
<b>2006-2018</b>	<b>International Organization for Mycoplasma</b>
<b>1999-2001</b>	<b>Cal Poly Society for Microbiology &amp; Biotechnology</b>