

## Curriculum Vitae

### Jessica A. Beaudet, Ph.D., M.S., CT(ASCP)

Department of Allied Health Sciences  
358 Mansfield Road, Unit 1101  
University of Connecticut, Storrs, CT, 06269  
Phone: (860) 486-8437  
Email: Jessica.beaudet@uconn.edu

#### Education:

|   |                  |               |
|---|------------------|---------------|
| University of Connecticut, Storrs                   | Allied Health    | BS 2007       |
| University of Connecticut Health Center, Farmington | Cytotechnology   | CT(ASCP) 2007 |
| University of Connecticut, Storrs                   | Health Promotion | MS 2010       |
| University of Connecticut, Storrs                   | Pathobiology     | PhD 2017      |

#### Academic Appointments:

|              |   |
|--------------|---|
| 2007-2014    | Graduate Assistant, Department of Allied Health Science, University of Connecticut, Storrs, CT                |
| 2014-2015    | Graduate Assistant, Department of Pathobiology and Veterinary Sciences, University of Connecticut, Storrs, CT |
| 2015-2016    | Instructor, Department of Allied Health Sciences, University of Connecticut, Storrs, CT                       |
| 2016-Present | Assistant Professor in Residence, Allied Health Sciences, University of Connecticut, Storrs, CT               |

#### Laboratory Appointments:

|           |   |
|-----------|---|
| 2003-2007 | Prep-technician, Connecticut Pathology Labs, Willimantic, CT  |
| 2011-2013 | Molecular Pathology Technician, Connecticut Pathology Labs, a Subsidiary of Manhattan Physician Labs, Willimantic, CT |
| 2007-2015 | Senior Cytotechnologist, Connecticut Pathology Labs, Willimantic, CT  |
| 2017-2018 | Scientific Advisor, Torigen Pharmaceuticals, Farmington, CT   |

**Professional Certifications:**

Board Certified Cytotechnologist, American Society of Clinical Pathology [CT(ASCP)]  
Cervista- Molecular HPV Testing System  
Thin Prep Processing and Screening Instrumentation  
SurePath Liquid Based Cytology  
Thin Prep Image Analysis

**Honors & Achievements:**

2014-2015 Predoctoral Fellowship Award  
Department of Pathobiology and Veterinary Sciences, University of Connecticut,  
Storrs, CT  
2015 Outstanding Poster Presentation  
Graduate Research Forum; College of Agriculture, Health, and Natural Resources,  
University of Connecticut, Storrs, CT

**Memberships in Societies:**

2007-2015 American Society for Cytotechnology  
2007-2015 American Society of Clinical Pathology  
2013-Current United States Organization for Mycoplasmaology  
2016-Current American Society of Microbiology  
2018-Current International Organization of Mycoplasmaology

**Journal Reviews:**

2017, 2018, 2019 Avian Pathology  
2018, 2019 Veterinary Microbiology  
2019 Infection, Genetics and Evolution

**University/Academic Committees:**

2016-Present Allied Health Sciences Programs Committee  
2017-Present Individualized Major Committee  
2019-Present Research Advisory Council, CAHNR

### **Teaching Experience:**

2015-Present AH 4239: Research Methods in Allied Health & AH 4241: Research for the Health Professional  
2009-2013, AH 4240W: Writing for Allied Health Research  
2015-Present  
  
2009 & 2018- 2019 AH 3133: Cancer and Your Health

### **Teaching Assistant Experience:**

2007 AH 3234: Fitness for Life  
2007-2013 AH 3101: Health and Wellness for Life  
2007-2013 AH 3133: Cancer and Your Health  
2007-2012 AH 3231: Program Planning  
2008 AH 4244: Management for Health Professionals  
2009-2013 AH 4239/4241: Research Methods in Allied Health  
2014 PVS 2100: Anatomy and Physiology of Animals  
2015 PVS 3095: Special Topic: Ebola, Perspectives on an Emerging Infections Disease

### **Grants Received:**

2020-2023 USDA/NIFA UConn Capacity Hatch Grant, J. Beaudet, PI  
Title: Tailoring the host immune response to *M. gallisepticum* live-attenuated vaccines using nanoparticle-based siRNA. Amount: \$60,000  
  
2020-2021 Research Excellence Program, UConn-OVPR, J. Beaudet, PI  
Tailoring the host immune response to *Mycoplasma gallisepticum* live-attenuated vaccines using polyfunctional-siRNA nanoparticles. Amount: \$50,000  
  
2019-2020 Sponsored Research: Torigen Pharmaceuticals, J. Beaudet Co-PI  
Title: "Characterization of Immune Activation Following Vaccination with Autologous Canine Cancer Vaccines". Amount: \$124,407  
  
2018-2019 Sponsored Research: Torigen Pharmaceuticals, J. Beaudet Co-PI  
Title: "Characterization of Immune Activation Following Vaccination with Autologous Canine Cancer Vaccines". Amount: \$40,398

### **Grant Contributions:**

2020 National Science Foundation, 20-508, J. Beaudet, Senior Personnel  
Title: Institute for host-pathogen systems in Wildlife. Amount requested: \$2.5m.

- 2020 National Institutes of Health, R2, J. Beaudet, Co-I  
Title: The effects of Skint8 protein on type 1 diabetes. Amount requested: \$442,750
- 2020 Morris Animal Foundation, J. Beaudet, Co-PI  
Investigation of Optimal Adjuvants for Autologous Canine Cancer Vaccines.
- 2019 Tailoring the Host Response to *M. gallisepticum* Live-Attenuated Vaccines using Nanoparticle-Based RNAi, USDA, NIFA. Submitted, Co-I.
- 2019 Rationally Designed *Mycoplasma gallisepticum* Subunit Vaccine, USDA, NIFA. Submitted, Co-PD
- 2013-2018 Changes in Immunologic Pathways and Gene Expression of the Host Trachea in Response to *Mycoplasma gallisepticum* Infection: USDA.
- 2017 Coinfection and its Role in the Evolution of Polymorphism for Virulence in an Emerging Pathogen: NSF
- 2009-2010 Detection of HPV in Native American Smokers and its Relationship to Lung Cancer: NARCH
- 2007-2009 Cancer Education Within Native American Tribes and Across Generations: Native American Research Centers for Health, NARCH

### **Presentations:**

- Beaudet J**, Tulman E, Pflaum K, Liao X, Korhonen K, Silbart LK, and Geary SJ. (2015) Transcriptional Profiling of the Host Immune Response to *Mycoplasma gallisepticum*. Abstract. USA Mycoplasma Consortium for presentation June 24-25, 2015 (San Antonio, TX). 3rd USA Mycoplasma Consortium Meeting.
- Beaudet J**, Tulman E, Pflaum K, Liao X, Silbart LK, and Geary SJ. (2016) Transcriptional Profiling of the Host Immune Response to Virulent and Attenuated Vaccine Strains of *Mycoplasma gallisepticum*. Abstract. ASM Microbe 2016 for Presentation June 16-20, 2016 (Boston, MA). American Society for Microbiology Meeting.

### **Publications:**

- Pflaum K, Tulman ER, **Beaudet J**, Liao X, Geary SJ. 2015. Global changes in *Mycoplasma gallisepticum* phase-variable lipoprotein gene (vlhA) expression during in vivo infection of the natural chicken host. *Infect Immun* 84(1): 351-5.
- Beaudet J**, Tulman ER, Pflaum K, Liao X, Kutish GF, Szczepanek SM, Silbart LK, and Geary SJ. 2017. Transcriptional Profiling of the Chicken Tracheal Response to Virulent *Mycoplasma gallisepticum* Strain R<sub>low</sub>. *Infect Immun*. 85(6). pii: e00185-17. doi: 10.1128/IAI.00185-17.

- Pflaum K, Tulman ER, **Beaudet J**, Liao X, Dhondt KV, Dhondt AA, Hawley DM, Ley DH, Kerr KM, Geary SJ. 2017. Attenuated phenotype of a recent house finch-associated *Mycoplasma gallisepticum* isolate for domestic poultry. *Infect Immun.* 85(6). pii: IAI.00185-17. doi: 10.1128/IAI.00185-17.
- Pflaum K, Tulman ER, **Beaudet J**, Canter J, and Geary SJ. 2018. Variable Lipoprotein Hemagglutinin A Gene (*vlhA*) Expression in Variant *Mycoplasma gallisepticum* Strains *In Vivo*. *Infect Immun.* 86:e00524-18. <https://doi.org/10.1128/IAI.00524-18>.
- Beaudet J**, Tulman ER, Pflaum K, Canter JA, Silbart LK, Geary SJ. 2019. Immunologic pathways in protective versus maladaptive host responses to attenuated and pathogenic strains of *Mycoplasma gallisepticum*. *Infect Immun.* 87:e00613-18. <https://doi.org/10.1128/IAI.00613-18>.
- Canter JA, Tulman ER, **Beaudet J**, Dong-Hun L, May M, Szczepanek S, and Geary SJ. 2019. Transcriptional and pathological host responses to co-infection with virulent or attenuated *Mycoplasma gallisepticum* and low pathogenic avian influenza A virus in chickens. *Infect Immun.* pii: IAI.00607-19. doi: 10.1128/IAI.00607-19