YOUR NAME

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OBJECTIVE: Applying for the full time Assistant Professor with the Department of Biology

QUALIFICATIONS SUMMARY

A biomedical sciences Masters of Science candidate exploring the complex word of flea-borne diseases. Designed and managed variety of projects, secured funds by writing proposals and communicated research findings in both written and oral form thorough publications and presentations.

NOTABLE ACHIEVEMENTS

- Independently secured $123,000 in research funding/support while in graduate school
- Published 8 manuscripts in peer-reviewed journals, with 2 more under review
- Organized public outreach events to educate the community about flea-borne diseases
- Collaborated on interdisciplinary projects with mathematicians, ecologists, and state public health officials resulting in co-authored publications
- Mentored and managed research projects of 13 undergraduate and 2 graduate students

KEY COMPETENCIES

- ✓ Project Management
- ✓ Written Communication
- ✓ Problem Solving
- ✓ Interdisciplinary Collaboration
- ✓ Oral Communication
- ✓ Strong Interpersonal Skills
- ✓ Time Management

EXPERIENCE

- **Graduate Research Assistant | Old Dominion University, Norfolk, VA (May 2013 – Present)**

  - Managed pathogen surveillance project, supervising 13 undergraduate and 2 graduate students
  - Designed and initiated original dissertation research
  - Independently worked to secure research funding by writing grant proposals to federal and private agencies
  - Collaborated on interdisciplinary projects with mathematicians and public health officials

  Key Accomplishments:
  - Published 8 manuscripts in peer-reviewed journals, with 2 more under review
  - Was awarded $123,000 in research funding and support
  - Communicated research at over 10 scientific meetings, both national and international
  - Improved disease awareness through outreach events held at parks and schools

- **Research Intern | United States Department of Agriculture – Agricultural Research Service in Pillman, ND (August 2014 – Present)**

  - Quickly adapted to new work environment and faced new research challenges
  - Designed and implemented experiments on pathogens affecting veterinary health
  - Collaborated on research projects with peers .
- Worked under deadline (3 month appointment)

  Key Accomplishments:
  - Made excellent progress characterizing important veterinary pathogen

➢ **RESEARCH INTERN | OLD DOMINION UNIVERSITY, NORFOLK, VA (SUMMERS OF 2011 AND 2012)**

- Implemented a combination of microbiological and molecular biology techniques and utilized problem solving skills to troubleshoot experiments
- Instructed graduate student in molecular biology techniques

Key Accomplishments:

- Successfully completed experiments and identified bacterial species resulting in a reassessment of identification protocols typically used by this laboratory

➢ **UNDERGRADUATE RESEARCH ASSISTANT | OLD DOMINION UNIVERSITY, NORFOLK, VA (AUGUST 2009 – MAY 2010)**

- Volunteered in the lab which resulted in a year-long internship
- Quickly learned research methods and synthesized information

Key Accomplishments:

- Detected a previously-unrecognized pathogen in Virginia flea populations
- Decided to pursue a PhD in biomedical sciences

EDUCATION

- **MASTERS IN BIOMEDICAL SCIENCES | EXPECTED MAY 2015**
  Old Dominion University, Norfolk, VA
  GPA: 3.97 | Credits earned: 70 semester hours
  Dissertation Topic: Determining the Prevalence and Distribution of Flea-borne Pathogens in Southern North Carolina
  - Recipient of Phillip Falls Endowed Scholarship (twice) and PEO Scholar Award ($28,124 total)
  - Relevant coursework includes cell and molecular biology, epidemiology, vector-borne diseases, immunology, virology, microbial pathogenesis, emerging infectious diseases, ecology and evolution of infectious diseases and biometry.
- **BS IN BIOLOGY, CUM LAUDE | MINOR: BUSINESS ADMINISTRATION | MAY 2010**
  Old Dominion University, Norfolk, VA
  GPA: 3.47 | Credits earned: 145 semester hours
  - Relevant coursework includes microbiology, parasitology, business management, programming, cell biology, genetics, information technology, honors' research in biology, biochemistry and organic chemistry.

LANGUAGE SKILLS

- English (Advanced spoken, written and read)
- Spanish (Novice spoken, written, read)

PROFESSIONAL & COMMUNITY SERVICE

- University Women's Caucus, ODU, January 2013 - Present
- Executive committee member, ODU Fellowship of Women in Science, May 2014 – Present
- Executive committee member, ODU Biology Graduate Student Organization, 2011 – 2012
- Coordinated several public outreach events at local schools and parks, presenting regional surveillance data and educating the general public and park rangers about flea-borne diseases and flea safety

PEER-REVIEWED PUBLICATIONS

- **Trice CL**, Gaff HD, Hynes WL. Prevalence of *Ehrlichia chaffeensis* and *Ehrlichia ewingii* in ticks collected from southeastern Virginia, 2010-2011. Ticks and Tick-borne Diseases. In press.
- Gaines D, Operario D, Stroup S, Stromdahl E, **Trice C**, Gaff H, Broyhill J, Smith J, Norris D, Lucas A, Houpt E (2014). *Ehrlichia* and Spotted Fever Group Rickettsiae Surveillance in *Amblyomma americanum* in Virginia Through Use of a Novel Six-Plex Real-Time PCR Assay. Vector-borne and zoonotic diseases 14(5), 307-16.
- Nadolny RM*, **Trice CL***, Sonenshine DE, Hynes WL, Gaff HD (2013). Ticks and Spotted Fever Group Rickettsiae of Southeastern Virginia. Ticks and Tick-borne Diseases (5)1, 53-57.
  *Shared first authorship

PUBLICATIONS UNDER REVIEW

- **Trice CL** & Gaff HD. Ticks and Tick-Borne Pathogens of Virginia: Then and Now.
- White, A., Schaefer, E., **Trice, C**., Gaff, H. Dynamics of two pathogens in a single tick population.

AWARDS, SCHOLARSHIPS AND GRANTS

- Principal Investigator, The Jayne Koskinas and Ted Giovanis Foundation for Health and Policy, "Exploring the prevalence, distribution, and transmission dynamics of tick-borne pathogens in southeastern Virginia." ($25,150), Summer 2014
- Principal Investigator, Entomological Society of America Monsanto Research Grant Award, "Exploring the Potential for *Rickettsia parkeri*, the Causative Agent of Tidewater Spotted Fever, To Invade the Lone Star Tick (*Amblyomma americanum*) Population." ($7,320), Summer 2013
- Principal Investigator, Entomological Society of America, Medical, Urban and Veterinary Entomology Section Small Research Grant, "Exploring the Transmission of *Rickettsia parkeri* in the Gulf Coast Tick, *Amblyomma maculatum*" ($700), Summer 2012
- Virginia S. Bagley Endowed Scholarship ($8,124), Fall 2011
- Secondary Investigator, The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc., "Tidewater Spotted Fever Surveillance in the Hampton Roads Region." ($90,000; $75,000 direct), Aug 2011-May 2014
- NSF Graduate Research Fellowship Honorable Mention, Spring 2011
- Second Place Oral Presentation, American Society for Microbiology Virginia Chapter, November 2010
- Second Place PhD Presentation, ODU Biology Graduate Student Organization Symposium, March 2014
- Travel Awards:
  - ODU Department of Student Engagement and Enrollment Services Travel Award ($500), Summer 2013
  - ODU Biology Graduate Student Organization Travel Award ($200), Summer 2013
  - American Society for Rickettsiology Travel Awards ($875), Summer 2011, 2012 & 2013
  - DIMACS/MBI US-Africa Biomathematics Initiative Travel Award ($2400), Spring 2011

MEMBERSHIPS & AFFILIATIONS

- American Society for Microbiology, 2010-Present
- Graduate Women in Science, 2014-Present

ORAL AND POSTER PRESENTATIONS

International Meetings

- Trice CL, Nadolny RM, Sonenshine DE, Gaff HD, Hynes WL. *Rickettsia parkeri* in Gulf Coast ticks, southeastern Virginia. Advanced Study Institute on Conservation Biology, Naivasha, Kenya. Jan. 2011.
- Trice CL, Nadolny RM, Jiang J, Richards AL, Sonenshine DE, Gaff HG, Hynes WL. Tidewater spotted fever: Detection of *Rickettsia parkeri* in Gulf Coast ticks, southeastern Virginia. Presented at the 6th International Meeting on Rickettsiae and Rickettsial Diseases, Heraklion, Crete, Greece. June 2011.

National Meetings

- Trice CL, Nadolny RM, Sonenshine DE, Hynes WL, Gaff HD. Detection of *Ehrlichia* and *Anaplasma* DNA from Ticks Collected in Southeastern Virginia: Current Challenges and Opportunities. Presented at the annual meeting of the American Society for Rickettsiology, Portland, ME. June 2013.
- Trice CL, Nadolny RM, Sonenshine DE, Hynes WL, Gaff HD. Spatial and Temporal Dynamics of *Ehrlichia chaffeensis* infected ticks in Southeastern Virginia. Presented at the annual meeting of the American Society for Rickettsiology, Park City, UT. July 2012.

Regional Meetings

- Trice CL, Nadolny RM, Sonenshine DE, Hynes WL, Gaff HD. Ticks and spotted fever group rickettsiae of southeastern Virginia. Presented at the Eastern Branch Entomological Society of America meeting, Williamsburg, VA, March 2014.
- Trice CL & Nadolny RM. Ticks in Hampton Roads: Populations and Pathogens. ODU Department of Biological Sciences seminar, Norfolk, VA. Nov. 2012.

ADDITIONAL SKILLS & TRAINING

- **Research Methods Training, Naval Medical Research Center, Silver Spring, MD, May 2010**
  - Dr. Allen Richards' lab
  - Developed real-time PCR and DNA sequencing skills for conducting tick-borne pathogen surveillance
- Knowledge of statistical techniques, experimental design, GIS analysis and space-time models (SPSS, ArcGIS, SaTScan)
- Certified to handle laboratory animals (CITI training)
- Computer programs:
  - DNA analysis (Geneious and VectorNTI)
  - Statistical analysis (SPSS & R)
  - GIS mapping (ArcGIS) and spatial and temporal modeling (SaTScan, ArcGIS)

References available upon request.