

**CHRISTINE M. SESTERO**

Department of Biology, Chemistry, and Mathematics  
University of Montevallo  
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**A. Professional Preparation**

The College of Idaho	Biology	B.S., 2000
Idaho State University	Microbiology	Ph.D., 2006
University of Alabama at Birmingham	Immunology	2006-2012

**B. Academic Appointments**

University of Montevallo	Associate Professor of Biology (Tenured)	2018-present
University of Montevallo	Assistant Professor of Biology	2012-2018
University of Montevallo	Adjunct Instructor	2012
Stillman College	Postdoctoral Teaching Scholar	2010-2012
The University of Alabama at Birmingham	Postdoctoral Fellow	2010-2012
Judson College	Adjunct Instructor	2009
The University of Alabama at Birmingham	Postdoctoral Scholar	2006-2010
Idaho State University	Graduate Research Assistant	2003-2006
Idaho State University	Graduate Teaching Assistant	2001-2003, 2005
Idaho State University	Research Associate	2002

**C. Awards**

1. Center for the Integration of Research, Teaching, and Learning (CIRTL) Fellow Award	2013
2. CIRTL Scholar Award	2013
3. CIRTL Practitioner Award	2013

4. The University of Alabama at Birmingham Department of Medicine 2012  
28th Annual Trainee Research Symposium- Awardee, Joseph Reeves  
Award for Excellence in Research by a Post-Doctoral Scholar
5. The University of Alabama at Birmingham Annual Postdoctoral Research 2011  
Day Symposium- First Place (Session 1A)
6. The University of Alabama at Birmingham Department of Medicine 2011  
27<sup>th</sup> Annual Trainee Research Symposium- Semi-Finalist, Joseph  
Reeves Award for Excellence in Research by a Post-Doctoral Scholar
7. The University of Alabama at Birmingham Department of Medicine 2008  
24<sup>th</sup> Annual Trainee Research Symposium- Honorable Mention, Joseph  
Reeves Award for Excellence in Research by a Post-Doctoral Scholar
8. The University of Alabama at Birmingham Department of Medicine 2007  
23<sup>rd</sup> Annual Trainee Research Symposium- Semi-Finalist, Joseph Reeves  
Award for Excellence in Research by a Post-Doctoral Scholar
9. Outstanding Graduate Student Award, Idaho State University 2006
10. Idaho Academy of Science annual meeting- poster presentation, 2005  
1<sup>st</sup> place (Graduate Student Division)
11. Idaho Academy of Science annual meeting- poster presentation, 2004  
1<sup>st</sup> place (Graduate Student Division)

#### **D. Publications**

1. Ryan, W. and **C. Sestero**. 2022. Integrating community ecology into the study of parasites: Exploring the effect of host behavior on parasite transmission rates. CourseSource. <https://doi.org/10.24918/cs.2022.22>
2. Mellon, A., and **C. Sestero**. 2018. Marketing meets microbiology: an interdisciplinary approach to environmental studies. *International Journal of Teaching and Learning in Higher Education* 30(2): 369-386.
3. Holifield, R., and **C. Sestero**. 2017. TGF $\beta$ /TGF $\beta$ R3 signaling pathways in autoimmune disease. *Metamorphosis* [S.l.], May 2017. Available from: <http://metamorphosis.coplac.org/index.php/metamorphosis/article/view/47> (accessed 29 June 2017).
4. Thomas, K., R. King, **C. Sestero**, and L. Justement. 2016. TREM-like transcript 2 is stored in human neutrophil primary granules and is up-regulated in response to inflammatory mediators. *Journal of Leukocyte Biology* 100(1):177-84.
5. Evonuk, K. , B. Baker, R. Doyle, C. Moseley, **C. Sestero**, B. Johnston, P. De Sarno, A. Tang, I. Gembitsky, S. Hewett, C. Weaver, C. Raman, an T. DeSilva. 2015. Inhibition of system Xc(-) transporter attenuates autoimmune inflammatory demyelination. *Journal of Immunology* 195(2):450-63.

6. **Sestero, C.**, H. Tinsley, Z.H. Ye, X. Zhang, R. Graze, and M. Kearley. 2014. Using the cell engineer/detective approach to explore cell structure and function. CourseSource. <https://doi.org/10.24918/cs.2014.7>
7. McGuire, D., A. Rowse, H. Li, B. Peng, **C. Sestero**, K. Cashman, P. De Sarno, and C. Raman. 2014. CD5 enhances Th17-cell differentiation by regulating IFN- $\gamma$  response and ROR $\gamma$ t localization. *European Journal of Immunology* 4(4):1137-42.
8. **Sestero, C.**, D. McGuire, P. De Sarno, E. Brantley, G. Soldevila, R. Axtell, and C. Raman. 2012. CD5-dependent CK2 activation pathway regulates threshold for T cell anergy. *Journal of Immunology* 189(6):2918-30. \*Selected as the UAB Department of Medicine's paper of the month for September 2012.
9. **Sestero, C.** and G. Scalarone. 2006. Detection of IgG and IgM in sera from canines with blastomycosis using eight *Blastomyces dermatitidis* yeast phase lysate antigens. *Mycopathologia* 162(1):33-37.
10. **Sestero, C.** and G. Scalarone. 2006. Detection of the surface antigens BAD1 and  $\alpha$ -(1,3)-glucan in six different strains of *Blastomyces dermatitidis* using monoclonal antibodies. *SJI Journal of Medical and Biological Science*1(1): 1-7.

#### **E. Research Grants and Fellowships**

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|--|------|
| 1. University of Montevallo Course Development Grant (\$2000.00)   | 2017 |
| 2. University of Montevallo Summer Stipend Faculty Grant (\$5000.00)   | 2014 |
| 3. University of Montevallo Faculty Research and Creative Projects Grant (\$1942.00)   | 2014 |
| 4. University of Montevallo Faculty Research and Creative Projects Grant (\$1998.00)   | 2013 |
| 5. Center for the Integration of Research, Teaching, and Learning Forum Travel Grant (\$200.00)  | 2011 |
| 6. NIH/NIGMS Institutional Research and Academic Career Development Award for the Mentored Experiences in Research, Instruction, and Teaching Program (\$36996.00/year)  | 2009 |
| 7. National Institutes of Health Postdoctoral Scholar Training Grant in Rheumatology (\$36996.00/year)   | 2007 |
| 8. National Institutes of Health Postdoctoral Scholar Training Grant in Immunology (\$36996.00/year)   | 2006 |
| 9. ISU Department of Biological Sciences Student Travel Grant (\$500.00)   | 2006 |
| 10. ISU Graduate Student Research and Scholarship Committee Dissemination Grant for the project entitled "Characterization of the <i>BAD1</i> gene sequence in ten different strains of <i>Blastomyces dermatitidis</i> " (\$400.00) | 2005 |
| 11. ISU Department of Biological Sciences Graduate Student Research Grant  | 2005 |

- for the project entitled “Characterization of the *BAD1* gene sequence in ten different strains of *Blastomyces dermatitidis*” (\$500.00)
12. IdeA Network for Biomedical Research Excellence Ph.D. Fellowship for the 2005-2006 academic year (\$17,108.00) 2005
  13. ISU Department of Biological Sciences Student Travel Grant (\$750.00) 2005
  14. ISU Graduate Student Research and Scholarship Committee Grant for the project entitled “Characterization of the *BAD1* gene sequence in ten different strains of *Blastomyces dermatitidis*” (\$442.20) 2004
  15. ISU Department of Biological Sciences Graduate Student Research Grant for the project entitled “Characterization of the *BAD1* gene sequence in ten different strains of *Blastomyces dermatitidis*” (\$600.00) 2004
  16. ISU Department of Biological Sciences Student Travel Grant (\$500.00) 2004
  17. IdeA Network for Biomedical Research Excellence Ph.D. Fellowship for the fall 2004 semester (\$6,030.60) 2004
  18. ISU Department of Biological Sciences Graduate Student Research Grant for the project entitled “Presence and expression of the surface antigens BAD1 and  $\alpha$ -(1,3)-glucan in ten different strains of *Blastomyces dermatitidis*” (\$500.00) 2004
  19. Idaho NSF/EPSCoR Fellowship for the 2003-2004 academic year (\$21,000.00) 2003
  20. ISU Department of Biological Sciences Graduate Student Research Grant for the project entitled “Detection of different immunoglobulins in blastomycosis” (\$200.00) 2003
  21. ISU Graduate Student Research Committee Grant for the project entitled “Detection of different immunoglobulins in blastomycosis” (\$547.00) 2002

#### **F. Invited Seminars**

1. **Christine Sestero** and Farah Lubin. 2017. Priming for academic success. National Institutes of Health Institutional Research and Academic Career Development Awards (NIH IRACDA) Annual Conference (Birmingham, AL).
2. **Christine Sestero**. 2016. Characterization of TGF $\beta$ / TGF $\beta$ R3 signaling pathways in autoimmune disease. University of Montevallo Faculty Research Symposium.
3. **Christine Sestero**. 2015. Negative feedback regulation of encephalitogenic Th1 cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Department of Biological Sciences, Idaho State University (Pocatello, ID).

4. **Christine Sestero.** 2015. Characterization of TGF $\beta$ / TGF $\beta$ R3 signaling pathways in autoimmune disease. University of Montevallo Faculty Research Symposium.
5. **Christine Sestero.** 2014. IFN $\gamma$  signaling intrinsically regulates expansion of effector encephalitogenic Th1 cells. Department of Biology, Armstrong State University (Savannah, GA).
6. **Christine Sestero.** 2011. IFN $\gamma$  signaling intrinsically regulates expansion of effector encephalitogenic Th1 cells. Department of Biological Sciences, Idaho State University (Pocatello, ID).

### **G. Presentations at Meetings**

1. Chander Raman, Clark Ren, Sam Duesman, Stephanie Boas, **Christine Sestero**, Rajeshwari Chellappan, Robert Kesterson, Patrizia De Sarno, and Gloria Soldevila. TCR signaling strength dependent regulation of T cell proliferation, survival and Th differentiation by TGF- $\beta$ R3 (betaglycan). Oral presentation. 2017 American Association of Immunologists 103<sup>rd</sup> Annual Meeting (Washington, DC).
2. Chander Raman, **Christine M. Sestero**, Rachael M Orlandella, Molly T Boland, Patrizia De Sarno, Robert A Kesterson and Gloria Soldevila. TGF- $\beta$  receptor 3 (betaglycan) regulates Th1 differentiation and T dependent B cell responses. Oral presentation. 2016 American Association of Immunologists Annual Meeting (Seattle, WA).
3. Reggie Holifield and **Christine Sestero.** 2016. TGF $\beta$ /TGF $\beta$ R3 signaling pathways in autoimmune disease. Poster Presentation. University of Montevallo Undergraduate Research Day (Montevallo, AL). (First place award)
4. Evan Dixon and **Christine Sestero.** 2016. Microorganisms in milk (characterization and abundance during the aging process). Poster Presentation. University of Montevallo Undergraduate Research Day (Montevallo, AL). (Second place award)
5. Howard Babin and **Christine Sestero.** 2016. The comparison and identification of coliforms isolated from water samples from Maplesville, AL and Montevallo, AL. Poster Presentation. University of Montevallo Undergraduate Research Day.
6. **Christine M. Sestero.** Characterization of TGF $\beta$ / TGF $\beta$ R3 Signaling Pathways in Autoimmune Disease. Oral presentation. 2016 UM Faculty Research Symposium (Montevallo, AL).
7. **Christine M. Sestero**, Rodrigo Naves, Patrizia De Sarno, and Chander Raman. 2015. IFN $\gamma$  restrains Th1 expansion in experimental autoimmune encephalomyelitis. Poster Presentation. University of Alabama at Birmingham Collaborative Multiple Sclerosis Research Symposium (Birmingham, AL).
8. **Christine M. Sestero**, Rodrigo Naves, Patrizia De Sarno, and Chander Raman. 2015. IFN $\gamma$  restrains Th1 expansion in experimental autoimmune encephalomyelitis. Poster Presentation. The American Association of Immunologists 101<sup>st</sup> Annual Meeting (New Orleans, LA).
9. Anna Williams and **Christine Sestero.** 2015. Efficacy of surface-level disinfectants on killing bacteria implicated in hospital-acquired infection. Poster Presentation. University of Montevallo Undergraduate Research Day (Montevallo, AL).

10. **Christine Sestero**, Rodrigo Naves, SimerPreet Singh, Patrizia De Sarno, and Chander Raman. 2014. Negative feedback regulation of encephalitogenic T<sub>h</sub>1 cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Poster Presentation. University of Alabama at Birmingham Comprehensive Arthritis, Musculoskeletal and Autoimmunity Center Research Day (Birmingham, AL).
11. Katherine Savell and **Christine Sestero**. 2014. Characterization of TGF $\beta$ R3-mediated pathways in immune cells of a novel mouse model. Poster Presentation. University of Montevallo Undergraduate Research Day (Montevallo, AL).
12. Rachel Blackerby and **Christine Sestero**. 2014. Characterization of TGF $\beta$ R3 signaling pathway components in autoimmune disease. Poster Presentation. University of Montevallo Undergraduate Research Day (Montevallo, AL).
13. William Hamrick and **Christine Sestero**. 2013. Illumination of bacteriophage populations in Montevallo, AL aquatic environments. Poster Presentation. University of Montevallo Undergraduate Research Day (Montevallo, AL).
14. Courtney Haynie and **Christine Sestero**. 2013. Bacterial differences in organic and non-organic poultry sources. Poster Presentation. University of Montevallo Undergraduate Research Day (Montevallo, AL).
15. **Christine Sestero**, Julia Austin, Lisa Schwiebert, and Rosianna Gray. 2012. New course development as part of the University of Alabama at Birmingham MERIT Postdoctoral Program: Special Topics in Immunology. Oral Presentation. 2012 Institutional Research and Academic Career Development Award Conference (Philadelphia, PA).
16. **Christine Sestero**, Rodrigo Naves, SimerPreet Singh, Patrizia De Sarno, and Chander Raman. 2012. Negative feedback regulation of encephalitogenic T<sub>h</sub>1 Cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Poster Presentation. The University of Alabama at Birmingham Spring Immunology Symposium (Birmingham, AL).
17. **Christine Sestero**, Rodrigo Naves, SimerPreet Singh, Patrizia De Sarno, and Chander Raman. 2012. Negative feedback regulation of encephalitogenic T<sub>h</sub>1 Cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Poster Presentation. The University of Alabama at Birmingham Department of Medicine 28<sup>th</sup> Annual Trainee Research Symposium (Birmingham, AL).
18. **Christine Sestero**, Rodrigo Naves, SimerPreet Singh, Patrizia De Sarno, and Chander Raman. 2012. Negative feedback regulation of encephalitogenic T<sub>h</sub>1 cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Oral Presentation. The University of Alabama at Birmingham NMSS Collaborative Research Center Group monthly meeting (Birmingham, AL).
19. **Christine Sestero**, Rodrigo Naves, SimerPreet Singh, Patrizia De Sarno, and Chander Raman. 2012. Negative feedback regulation of encephalitogenic T<sub>h</sub>1 cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Poster Presentation. University of Alabama at Birmingham 2012 Glial Biology /Neuroimmunology/Neurooncology Retreat (Birmingham, AL).
20. **Christine Sestero**. 2011. New course development as part of the University of Alabama at Birmingham MERIT postdoctoral program. Poster Presentation. Center for the Integration of Research, Teaching, and Learning Forum (Madison, WI).
21. Chander Raman, **Christine Sestero**, Rodrigo Naves, SimerPreet Singh, and Patrizia De Sarno. 2011. Negative feedback regulation of encephalitogenic T<sub>h</sub>1 Cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Oral Presentation. The International Cytokine Society and The International Society for Interferon and Cytokine Research 9<sup>th</sup> Annual Meeting (Florence, Italy).

22. **Christine Sestero**, Rodrigo Naves, SimerPreet Singh, Patrizia De Sarno, and Chander Raman . 2011. Negative feedback regulation of encephalitogenic T<sub>H</sub>1 cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Poster Presentation. 2011 Institutional Research and Academic Career Development Award Conference (Houston, TX).
23. Kendra Royston, **Christine Sestero**, Amber Buel, Patrizia DeSarno, and Chander Raman. 2011. The influence of lithium on GSK-3 mediated production of pro-inflammatory cytokines by dendritic cells. Poster Presentation. The University of Alabama at Birmingham Minority Health and Health Disparities Research Center Summer Enrichment Program Research Symposium (Birmingham, AL).
24. **Christine Sestero**, Rodrigo Naves, SimerPreet Singh, Patrizia De Sarno, and Chander Raman. 2011. Negative feedback regulation of encephalitogenic T<sub>H</sub>1 Cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Poster Presentation. 2011 Institutional Research and Academic Career Development Award Conference (Houston, TX).
25. **Christine Sestero**, Rodrigo Naves, SimerPreet Singh, Patrizia De Sarno, and Chander Raman. 2011. Negative feedback regulation of encephalitogenic T<sub>H</sub>1 Cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Poster Presentation. The American Association of Immunologists 97<sup>th</sup> Annual Meeting (San Francisco, CA).
26. **Christine Sestero**, Donald McGuire, Patrizia De Sarno, and Chander Raman. 2011. Unraveling CD5 biology: discoveries through study of experimental autoimmune encephalomyelitis. Poster Presentation. University of Alabama at Birmingham Collaborative Multiple Sclerosis Research Center Conference (Birmingham, AL).
27. Kevin S. Cashman, **Christine Sestero**, Patrizia De Sarno and Chander Raman. 2011. CD5 through CK2 activation regulates B-1a B-cell survival, proliferation, and T-independent type 2 antibody response. Oral Presentation. The American Association of Immunologists 97<sup>th</sup> Annual Meeting (San Francisco, CA).
28. Donald McGuire, **Christine Sestero**, Patrizia De Sarno, and Chander Raman. 2011. CD5 modulates regulatory T cell function, proliferation, and survival. Poster Presentation. The American Association of Immunologists 97<sup>th</sup> Annual Meeting (San Francisco, CA).
29. **Christine Sestero**, Rodrigo Naves, SimerPreet Singh, Patrizia De Sarno, and Chander Raman. 2011. Negative feedback regulation of encephalitogenic T<sub>H</sub>1 Cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Poster Presentation. The University of Alabama at Birmingham Department of Medicine 27<sup>th</sup> Annual Trainee Research Symposium (Birmingham, AL).
30. Kevin S. Cashman, **Christine Sestero**, Patrizia De Sarno and Chander Raman. 2011. CD5 through CK2 activation regulates B-1a B-cell survival, proliferation, and T-independent type 2 antibody response. Poster Presentation. The University of Alabama at Birmingham Department of Medicine 27<sup>th</sup> Annual Trainee Research Symposium (Birmingham, AL).
31. Donald McGuire, **Christine Sestero**, Patrizia De Sarno, and Chander Raman. 2011. CD5 modulates regulatory T cell function, proliferation, and survival. Poster Presentation. The University of Alabama at Birmingham Department of Medicine 27<sup>th</sup> Annual Trainee Research Symposium (Birmingham, AL).
32. **Christine Sestero**, Rodrigo Naves, SimerPreet Singh, Patrizia De Sarno, and Chander Raman. 2011. Negative feedback regulation of encephalitogenic T<sub>H</sub>1 Cells by IFN $\gamma$  in experimental autoimmune encephalomyelitis. Oral Presentation. The University of Alabama at Birmingham Annual Postdoctoral Research Day Symposium (Birmingham, AL).

33. Bathsheba Wariso, **Christine Sestero**, Amber Buel, Patrizia DeSarno, and Chander Raman. 2010. Possible causes of lithium treatment variations in Th1 and Th17 experimental autoimmune encephalomyelitis (EAE). Poster Presentation. The University of Alabama at Birmingham Minority Health and Health Disparities Research Center Summer Enrichment Program Research Symposium (Birmingham, AL).
34. **Christine Sestero**, Donald McGuire, Patrizia De Sarno, and Chander Raman. 2010. CD5-dependent CK2 activation pathway regulates T cell activation and threshold for anergy. Poster Presentation. 2010 Institutional Research and Academic Career Development Award Conference (Boston, MA).
35. **Christine Sestero**, Donald McGuire, Patrizia De Sarno, and Chander Raman. 2010. CD5-dependent CK2 activation pathway regulates T cell activation and threshold for anergy. Poster Presentation. The American Association of Immunologists 97<sup>th</sup> Annual Meeting (Baltimore, MD).
36. **Christine Sestero**, Donald McGuire, Patrizia De Sarno, and Chander Raman. 2010. CD5-dependent CK2 activation pathway regulates T cell activation and threshold for anergy. Poster Presentation. The University of Alabama at Birmingham Department of Medicine 26<sup>th</sup> Annual Trainee Research Symposium (Birmingham, AL).
37. Ashley N. Wigley, **Christine Sestero**, and Thomas Wilson. 2009. Pilot comparison of Oxbow Lakes microflora in Perry Lakes Park, Perry County, AL. Oral Presentation. 86<sup>th</sup> Annual Meeting of the Alabama Academy of Sciences, Inc. (Livingston, AL).
38. Chander Raman, **Christine Sestero**, Donald McGuire, and Patrizia De Sarno. 2009. CD5 sets threshold for activation and anergy in T cells. EMBO Conference Series: Signaling in the Immune System (Siena, Italy).
39. Chander Raman, **Christine Sestero**, Emily Brantley, Robert C. Axtell, and Patrizia De Sarno. CD5 sets threshold for anergy in T cells: Implication in susceptibility to autoimmunity. 2009. Oral Presentation. Keystone Symposium in Multiple Sclerosis (Santa Fe, NM).
40. **Christine Sestero**, SimerPreet Singh, Kevin Cashman, Robert C. Axtell, and Chander Raman. CD5 regulate B-1a B-cell expansion and selection. 2008. Poster Presentation. The American Association of Immunologists 95<sup>th</sup> Annual Meeting (San Diego, CA).
41. **Christine Sestero**, SimerPreet Singh, Kevin Cashman, Robert C. Axtell, and Chander Raman. CD5 regulates B-1a B-cell expansion and selection. 2008. Oral Presentation. The University of Alabama at Birmingham Annual Postdoctoral Research Day (Birmingham, AL).
42. **Christine Sestero**, SimerPreet Singh, Kevin Cashman, Robert C. Axtell, and Chander Raman. CD5 regulates B-1a B-cell expansion and selection. 2008. Poster Presentation. The University of Alabama at Birmingham Department of Medicine 24<sup>th</sup> Annual Trainee Research Symposium (Birmingham, AL).
43. **Christine Sestero**, Bob Axtell, and Chander Raman. CD5 impacts selection of B-1a B cells. 2007. Poster Presentation. The University of Alabama at Birmingham Department of Medicine 23<sup>rd</sup> Annual Trainee Research Symposium (Birmingham, AL).
44. **Christine Sestero** and Gene Scalarone. Characterization of the *BADI* gene in ten different strains of *Blastomyces dermatitidis*. 2006. Poster Presentation. Sixteenth Annual Focus on Fungal Infections annual meeting (Las Vegas, NV).



45. **Christine Sestero** and Gene Scalarone. Characterization of the *BAD1* gene in ten different strains of *Blastomyces dermatitidis*. 2005. Oral Presentation. Idaho INBRE 4<sup>th</sup> annual research conference (Nampa, ID).
46. **Christine Sestero** and Gene Scalarone. Characterization of the *BAD1* gene in ten different strains of *Blastomyces dermatitidis*. 2005. Poster Presentation. American Society for Microbiology annual national meeting (Atlanta, GA).
47. **Christine Sestero** and Gene Scalarone. Characterization of the *BAD1* gene in ten different strains of *Blastomyces dermatitidis*. 2005. Oral Presentation. Idaho Academy of Science annual meeting (Nampa, ID).
48. **Christine Sestero**, Michael Chester, and Gene Scalarone. Detection of the surface antigens BAD1 and  $\alpha$ -(1,3)-glucan in six different strains of *Blastomyces dermatitidis* using monoclonal antibodies in an enzyme-linked immunosorbent assay. 2004. Oral Presentation. Idaho BRIN 3<sup>rd</sup> annual research conference (Pocatello, ID).
49. **Christine Sestero**, Michael Chester, and Gene Scalarone. Detection of the surface antigens BAD1 and  $\alpha$ -(1,3)-glucan in six different strains of *Blastomyces dermatitidis* using monoclonal antibodies in an enzyme-linked immunosorbent assay. 2004. Poster Presentation. American Society for Microbiology annual national meeting (New Orleans, LA).
50. **Christine Sestero** and Gene Scalarone. Comparison of eight different *Blastomyces dermatitidis* yeast phase lysate antigens in the detection of IgG and IgM in sera from canines with blastomycosis. 2004. Poster Presentation. American Society for Microbiology annual national meeting (New Orleans, LA).
51. **Christine Sestero**, Michael Chester, and Gene Scalarone. Detection of the surface antigens BAD1 and  $\alpha$ -(1,3)-glucan in six different strains of *Blastomyces dermatitidis* using monoclonal antibodies in an enzyme-linked immunosorbent assay. 2004. Poster Presentation. American Society for Microbiology Intermountain Branch annual meeting (Idaho Falls, ID).
52. **Christine Sestero** and Gene Scalarone. Comparison of eight different *Blastomyces dermatitidis* yeast phase lysate antigens in the detection of IgG and IgM in sera from canines with blastomycosis. 2004. Poster Presentation. American Society for Microbiology Intermountain Branch annual meeting (Idaho Falls, ID).
53. **Christine Sestero**, Michael Chester, and Gene Scalarone. Detection of the surface antigens BAD1 and  $\alpha$ -(1,3)-glucan in six different strains of *Blastomyces dermatitidis* using monoclonal antibodies in an enzyme-linked immunosorbent assay. 2004. Poster Presentation. Idaho Academy of Science annual meeting (Pocatello, ID).
54. **Christine Sestero** and Gene Scalarone. Comparison of eight different *Blastomyces dermatitidis* yeast phase lysate antigens in the detection of IgG and IgM in sera from canines with blastomycosis. 2004. Poster Presentation. Idaho Academy of Science annual meeting (Pocatello, ID).
55. **Christine Sestero** and Gene Scalarone. Detection of different immunoglobulins in blastomycosis. 2003. Poster Presentation. American Association for the Advancement of Science, Pacific Division annual meeting (San Francisco, CA).

56. **Christine Sestero** and Gene Scalarone. Detection of different immunoglobulins in blastomycosis. 2003. Poster Presentation. Idaho Academy of Science annual meeting (Lewiston, ID).
57. **Christine Sestero** and Gene Scalarone. Comparison of eight different *Blastomyces dermatitidis* yeast phase lysate antigens in the detection of IgG and IgM in sera from canines with blastomycosis. 2004. Poster Presentation. Idaho Academy of Science annual meeting (Pocatello, ID).

#### H. **Synergistic Activities (University of Montevallo 2012-)**

Chair, UM Faculty Development Advisory Committee  
 UM/UAB IRACDA-MERIT Teaching Mentor  
 CAS Representative, UM Faculty Development Advisory Committee  
 Member, UM Sustainability Committee  
 Member, UM McNair Scholars Program Advisory Board  
 College of Arts and Sciences Senator, UM Faculty Senate  
 Untenured Faculty Liaison, UM Faculty Senate  
 Alternate Faculty Grievance Committee Representative, UM Faculty Senate  
 Member, Faculty Senate Finance, Benefits, and Resources Committee  
 Member, Concert and Lecture Committee  
 Member, Academic Advising, Support and Intervention Committee  
 Undergraduate research mentor for eight projects presented at UM Undergraduate Research Day  
 Undergraduate research mentor for three McNair Program students  
 Co-Advisor, UM Health Professions Society, Biology Club, and Beta Beta Beta Honor Society  
 Coordinator, General Education Assessment for Principles of Biology (BIO 100)  
 Coordinator, Biology Faculty Representatives for Teacher Education Program Interviews  
 Member, McNair Scholars Program Advisory Board  
 Member, Game-Based Learning Faculty Learning Community

#### I. **Collaborators & Other Affiliations**

##### **(i) Collaborators**

C. Raman, Department of Medicine, Division of Clinical Immunology and Rheumatology, University of Alabama at Birmingham; T. DeSilva, Department of Neurosciences, Cleveland Clinic; G. Soldevila, Departamento de Inmunología, Instituto de Investigaciones Biomédicas, Universidad Nacional Autónoma de México.

##### **(ii) Graduate and Postdoctoral Advisors**

G. Scalarone, Department of Biological Sciences, Idaho State University; C. Raman, Department of Medicine, Division of Clinical Immunology and Rheumatology, University of Alabama at Birmingham.

##### **(iii) Affiliations**

Adjunct Faculty, University of Alabama at Birmingham (2012-)