

Stephanie F. James, PhD, MBA
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EDUCATION AND TRAINING

- 2011-2014 Postdoctoral Research Fellow
University of Colorado School of Medicine
Department of Neurology
Aurora, CO, 80045
Mentor: Dr. Ravi Mahalingam
Topic: *Pathogenesis of varicella zoster virus*
- 2011 Ph.D. degree, Biology/Biological Education
University of Northern Colorado
School of Biological Sciences
501 20th St, Greeley, CO 80639
Mentor: Dr. Tony Schountz
Dissertation title: *Effects of transforming growth factor β 1 on hantavirus cardiopulmonary syndrome*
- 2004 Masters degree, Business Administration
City University of Seattle
521 Wall St
Seattle, WA 98121
- 2000 Masters degree, Biology
Eastern Washington University
Department of Biology and Biotechnology
526 5th St
Cheney, WA 99004
Mentor: Dr. Don Lightfoot
Thesis title: *Effects of glucose and amino acids on glomerulosclerosis*
- 1997 Bachelor of Science, Biology
Gonzaga University
Department of Biology
502 E Boone Ave
Spokane, WA 99202

EMPLOYMENT HISTORY

- 2021-present** **Coordinator of Research and Community Health Initiatives**
Rueckert-Hartman College for Health Professions
Regis University
3333 Regis Boulevard, Denver, CO 80021
Responsibilities: supporting strategic research initiatives within the Rueckert-Hartman College for Health Professions (RHCHP) which require overall development, coordination, and management of collaborative research programs, as well as the development of new opportunities for collaborative research across RHCHP and with outside partners. Work with faculty and staff liaisons in each of the College units to develop and implement college-wide research programs and collaborations that will prepare our students for interprofessional, collaborative practice in the research environment.
- 2020-2021** **COVID-19 Laboratory Director**
Student Health Services/School of Pharmacy
Regis University
3333 Regis Boulevard, Denver, CO 80221
Responsibilities: Created and maintain the CLIA approved laboratory at Regis University in collaboration with the Student Health Services, including all quality assurance, proficiency testing and safety protocols. Perform all high complexity PCR testing of symptomatic student and employees and report back to Student Health and Public Health Departments.
- 2018-present** **Associate Professor**
Department of Pharmaceutical Sciences
Regis University School of Pharmacy
3333 Regis Boulevard, Denver, CO, 80221
Responsibilities: Develop curricular material and teach Integrated Pharmacology courses pertaining to immunology and infectious diseases, delivering content using Team Based Learning. Principle on research projects evaluating immune responses in adults with Down syndrome. Service through committee membership on school committees.
- 2014 – 2018** **Assistant Professor**
Department of Pharmaceutical Sciences
Regis University School of Pharmacy
3333 Regis Boulevard, Denver, CO, 80221
Responsibilities: Develop curricular material and teach Integrated Pharmacology courses pertaining to immunology and infectious diseases, delivering content using Team Based Learning. Principle on research projects evaluating immune responses in adults with Down syndrome. Service through committee membership on school committees.
- 2012** **Adjunct Professor**
Department of Biology

Regis University
3333 Regis Boulevard, Denver, CO, 80221
Responsibilities: Taught the general microbiology and cell/molecular laboratories, including instructing students on proper lab techniques, course associated material, creating and administering quizzes.

2005-2012

Adjunct Professor

Department of Biology
Front Range Community College
3645 W. 112th Ave, Westminster, CO 80031
Responsibilities: Taught hybrid anatomy and physiology course consisting of lecture material in an online format and meeting once a week for laboratory. Taught various traditional biology courses for pre-nursing students including: pathophysiology, microbiology (+lab) general biology (+lab).

2004-2007

Associate Faculty

Science Department
Cascadia Community College
18345 Campus Way NE, Bothell, WA 98011
Responsibilities: Taught a range of college level biology courses: Cell Biology, Human Anatomy and Physiology introductory courses with associated laboratories. Served on committee to amend requirements of upper level biology courses.

2002-2005

Research Associate III

Antibody Technologies Department
Seattle Genetics
21823 30th Drive SE, Bothell, WA 98021
Responsibilities: Generated reagent antibodies to auristatin E drug candidates and wrote associated Technical Development Report for company departments and Seattle Genetics collaborators. Developed new pharmacokinetic assays for the preclinical group and wrote the associated Standard Operating Procedures. Coordinated with the Product Development group purification and distribution of antibodies throughout departments and for company collaborators. Characterized newly created antibodies using ELISA, FACS, Western Blot, Cell and Tissue staining techniques. Presented data regularly at group meetings. Conducted due diligence on acquisition of a new 250k Becton Dickinson LSR flow cytometer. Participated in the development and characterization of different reagent antibodies for tracing drugs in various assay formats using ELISAs and Western Blot techniques. Participated in discovery of new antibodies to multiple cancer cell lines using new Fluorometric Microvolume Assay Technology and software (FMAT.)

2001-2002

Senior Research Technician

Preclinical Research Department
NeoRx Corporation
Seattle, WA

Responsibilities: Tested all clinical patient samples in adherence to established SOPs with specific timelines for investigators and study time points. Performed qualifying tests to determine if patients were acceptable for clinical trials within proposed deadlines. Maintained Excel spreadsheet of clinical results for review by management. Communicated trial results to research, clinical departments and trial sites. Developed assays for pharmacokinetic studies including ELISA and radioactive decay experiments for clinical trials. Maintained database of all in-house tumor cell lines.

2000-2001

Professional Staff

Division of Nephrology
University of Washington Medical Center
1959 NE Pacific St, Seattle, WA 98195

Responsibilities: Studied the effects of complement on mRNA levels of different cytokines in proximal tubule cells both in vivo and in vitro utilizing Northern blotting and immunohistochemistry techniques.

SCHOLARLY ACTIVITIES: PUBLICATIONS

Refereed Journal Articles

1. Janke KK, Bechtol RA, James S, Lepp G, Moote R, Clapp P. 2019. Determining Indicators of High-Quality Application Activities for Team-Based Learning. *Am J Pharm Educ.* Nov; 83(9):
2. James S, Cogan P, McCollum M. 2019. Team-Based Learning for Immunology Courses in Allied Health Programs. *Front Immunol.* Oct 30; 10:2477.
3. Maker JH, Stroup CM, Huang V, James SF. 2019. Antibiotic Hypersensitivity Mechanisms. *Pharmacy.* Aug 27;7(3).
4. James SF, Chahine E, Sucher A, Hanna C. 2018. Shingrix: The new adjuvanted recombinant herpes zoster vaccine. *Ann Pharmacother* 52(7):673-680
5. James SF, Braun LJ, Feltman C, et al. 2017. Development of an Integrated Immunology and Vaccines Pharmacy Elective. *Inov Pharm* 8(3): Article 1. <http://pubs.lib.umn.edu/innovations/vol8/iss3/1.2006>, 128, 6089.
6. Sucher A, James S, Hanna C. 2014. Management of Nonoccupational Exposure to HIV. *US Pharmacist.* April 18; 39(4)
7. Traina-Dorge V, Doyle-Meyers LA, Sanford R, Manfredo J, Blackmon A, Wellish M, James S, Alvarez X, Midkiff C, Palmer BE, Deharo E, Gilden D, Mahalingam R. 2015. Simian Varicella Virus Is Present in Macrophages, Dendritic Cells, and T Cells in Lymph Nodes of Rhesus Macaques after Experimental Reactivation. *J Virol.* Oct 1; 89(19): 9817–9824
8. Traina-Dorge V, Sanford R, James S, Doyle-Meyers LA, deHaro E, Wellish M, Gilden D, Mahalingam R. 2014. Robust pro-inflammatory and lesser anti-inflammatory immune responses during primary simian varicella virus infection and reactivation in rhesus macaques. *J Neurovirol.* Oct;20(5):526-30

9. Nagel MA, James SF, Traktinskiy I, Wyborny A, Choe A, Rempel A, Baird NL, Gildea D. 2014. Inhibition of pSTAT1 Nuclear Translocation and Antiviral Protein Expression in Human Brain Vascular Adventitial Fibroblasts Infected with Varicella Zoster Virus. *J Virol.* Oct; 88(19): 11634–11637
10. James S, Traina-Dorge V, Deharo E, Wellish M, Gildea D, Mahalingam R. 2014. In immunosuppressed non-human primates latently infected with simian varicella virus, T cells increase two weeks before zoster and PD-1 expression is increased at the time of zoster. *J Neurovirol.* Jun; 20(3): 309–313.
11. James S, Mahalingam R, Gildea D. 2012. Does apoptosis play a role in varicella zoster virus latency and reactivation? *Viruses* 4:1509-1514
12. Cogswell-Hawkinson A, Bowen R, James S, Gardiner D, Calisher CH, Adams R, Schountz T. 2012. Tacaribe virus causes fatal infection of an ostensible host, the jamaican fruit bat. *J Virol.* 86:5791-5799.
13. Sanderson RJ, Hering MA, James SF, Sun MM, Doronina SO, Siadak AW, Senter PD, Wahl AF. 2005. Drug-linker stability of an anti-CD30 dipeptide-linked auristatin immunoconjugate. *Clin Cancer Res.* 11:843-852.

Refereed Book Chapters

James S, Rickard J, Childs-Kean L. Getting to the point: importance of immunizations for public health. In: Covvey JR, Arya V, DiPietro Mager N, Gilman N, Herring M, Lukas S, Ochs L, Waddington L, eds. *Public health in pharmacy practice: a casebook*. 1st ed. Genesco, NY: Open SUNY Textbooks; 2020. Available at: <https://courses.lumenlearning.com/suny-public-health-in-pharmacy-practice/>.

Birlea M, Nagel MA, Cohrs RJ, Mahalingam R, James S, Gildea D. VZV. In: *Encyclopedia of Neurological Sciences*, 2E (Aminoff MJ, Daroff RD, eds), Elsevier Inc., San Diego, CA, 2014.

Non-Refereed Articles

James SF. Distrust in Science is Dangerous. *Denver Post Your Hub.* May 25, 2020.

Singh G. and James SF. A Measles Outbreak Matters for Everyone. *Denver Post Your Hub.* December 18, 2019.

Keefe C. and James SF. Preparing for College? Don't forget Immunizations. *Denver Post Your Hub.* August 1, 2019.

Proietty A. and James SF. Know dangers of vaping. *Denver Post Your Hub.* April 4, 2019.

King S. and James SF. HPV vaccine is now recommended for most adults. *Denver Post Your Hub.* December 21, 2018.

Maxwell T. and James SF. Pneumonia vaccine is recommended for everyone. *Denver Post Your Hub.* November 13, 2018.

James SF. New shingles vaccine proves highly effective. *Denver Post Your Hub.* September 29, 2018.

PRESENTATIONS

Refereed Platform/Workshop Presentations

1. James SF. Response to immunization in adults with Down syndrome. Society for Health and Wellness. Denver, CO. October 2017.
2. King S, Kusher S, James S. Antibody responses to Influenza in adults with Down syndrome. Rocky Mountain Virology Conference. Pingree Park, CO. September 2017.
3. James, S. Antibody response to vaccine preventable diseases in adults with Down syndrome. University of Colorado Crnic, Aurora, CO, April 2017 (*Invited speaker*)
4. James S, Lalama J. Integration of different topics using Team Based Learning. Team Based Learning Collaborative Annual Meeting. Albuquerque, NM. March 2016.
5. James, S. Emerging Infectious Diseases in Colorado. Colorado Pharmacists Society (*Invited speaker*). Denver, CO. June 2015
6. James S, Traktinskiy I, Choe A, Gilden D, Nagel M. VZV infection of human brain vascular adventitial fibroblasts downregulates STAT mRNA expression and inhibits translocation pSTAT to the nucleus. International Society of Neurovirology. Washington D.C. May, 2012.

Refereed Poster Presentations

7. Kristina Royzman, Caitlyn Drews BS, Caitlin Keefe, BS, Tyler Maxwell PharmD, Gurkirat Singh BS, Stephanie James, PhD. Adults with Trisomy 21 have significantly higher expression of interferon stimulating genes compared to disomic adults. American Association of Immunologists. San Diego, CA. May 2019.
8. Scott King BS, Robert Haight PhD, Lindsey Fulton BS, Samantha Kusher PharmD, Brennan Jacobs PharmD, Stephanie James PhD. Adults with Trisomy 21 have significantly higher antibody responses to Influenza A compared to disomic adults. American Association of Immunologists. Austin, TX. May 2018.
9. Brockmeyer J, Kusher S, King S, James S. Antibody Responses to Influenza in Adults with Down syndrome. Colorado Immunology Association. Avon, CO. September 2017.
10. Brockmeyer J, Kusher S, King S, James S. Antibody Responses to Vaccine Preventable Diseases in Adults with Down syndrome. Colorado Pharmacists Association. Denver, CO. May 2017
11. James S, Traktinskiy I, Choe A, Gilden D, Nagel M. VZV infection of human brain vascular adventitial fibroblasts downregulates STAT mRNA expression and inhibits translocation pSTAT to the nucleus. American Association of Immunology. Washington D.C. May, 2012.
12. Flynn-James S. Schountz, W. Millazzo, M. Fulhorst, C. Potential use of transforming growth factor- β in treatment of hantavirus cardiopulmonary syndrome. American Society of Tropical Medicine and Hygiene. Philadelphia, PA. November, 2009.

13. Meek R, Flynn S, Choinard R, Tuttle K. Induction of transforming growth factor beta-1 and thrombospondin-1 in mesangial cells. American Society of Nephrology. Toronto, CA. October, 2000.

Non-Refereed (Invited) Platform Presentations

14. James S, HPV in Colorado. Colorado Cancer Caucus Invited speaker. Denver, Colorado 2018.
15. James S, Haight R, Feltman C. Improving vaccination rates in Colorado. American Pharmacist Association Invited speaker. 2016.
16. James S. and Haight R. How Immunizations Work and Results from a Statewide Immunization Coverage Analysis. Women in Government. (*Invited speaker*). June 2015
17. James S. and Haight R. Evaluation of a large, metropolitan area school district immunization coverage. Colorado State Legislators, March 2014.
18. James S. and Sucher A. Ebola: Pathogenesis and Prevention. Regis University Seminar, 2014.
19. James S. The adaptive immune responses to SVV. Regis University. Seminar series, 2013.
20. James S. VZV: The virus that never goes away. University of Northern Colorado. Seminar series, 2012.

Non-Refereed (Invited) Poster Presentations

21. Brockmeyer J, Kusher S, King S, James S. Antibody Responses to Influenza in Adults with Down syndrome. Regis University Student Research Symposium. March 2017.
22. Jamison V, Jacobs B, James S. Response of Varicella Zoster specific T cells to Programmed Death Receptor-1 blockade. Regis University Student Research Symposium. April 2016
23. James S, McCollum M, Lalama J, Berlau D, Goldwire M, Carter R. Personal and Professional Development from Orientation to Graduation. American Associations of Colleges of Pharmacy. National Harbor, MD. July 2015.

GRANT ACTIVITY

Funded Grants

2021	Interfaith Youth Core Faith in the Vaccine Ambassadors Grant Project Title: Training student pharmacists to be vaccine ambassadors in high schools. Funded: \$7,500.00
2020-2021	Regis University Research Counsel Research Grant and Provost Scholar Award

Project title: Anti-viral protein synthesis in HSV1 infected fibroblasts from individuals with Down syndrome.
Funded: \$7,500.00

2020

American Association of Immunologists
Laboratory Travel Grant
Funded: \$2,000

2018-2019

Linda Crnic Institute for Down syndrome
Research Grant
Project Title: Impact of Trisomy 21 on B cell Phenotype and Function in Adults
Funded: \$50,000

2018 American Association of Immunologists

Travel Grant
Funded: \$1,500

2016-2017

Regis University Research Counsel
Research Grant
Project title: Response of Varicella Zoster specific T cells to Programmed Death Receptor-1 blockade.
Funded: \$5,000.00

2009-2010

University of Northern Colorado School of Public Health
Research Grant
Project title: Effects of TGF β 1 on hantavirus cardiopulmonary syndrome
Funded: \$1,000.00

1999-2000

Eastern Washington University Graduate
Research Grant
Project title: Effects of glucose and amino acids on glomerulosclerosis
Funded: \$500.00

CURRENT RESEARCH ACTIVITIES

2018-present

Anti-viral responses to HSV-1 in Adults with Down Syndrome.

2014- present

Humoral Immune Responses to Influenza and *S. Pneumoniae* in Adults with Down syndrome.

Collaborators: Joaquin Espinoza, PhD, Director, Linda Crnic Center for Down syndrome research, University of Colorado School of Medicine and Edward Janoff, MD, Director, Mucosal and Vaccine Research, University of Colorado School of Medicine

2014 – 2016

Expression of Programmed Death Receptor-1 on T cells before and after Zostavax immunization.

Collaborator: Nicholas Baird, PhD, Research Professor, University of Colorado School of Medicine

PROFESSIONAL, SCIENTIFIC, HONORARY ASSOCIATIONS OR SOCIETIES

2019-present	Elsiever Journals, Article Reviewer
2019-present	American Journal of Health Behavior, Article Reviewer
2019-present	American Association of Immunologist, Article reviewer, Education committee
2019-present	T21 Research Society (member)
2018-present	Linda Crnic Down syndrome Supergroup
2017-present	American Association of Immunologist, Education committee member
2017-present	Phi Lambda Sigma Pharmacy Leadership Society
2017-2018	Team Based Learning Collaborative (Annual meeting program chair)
2014-present	Team Based Learning Collaborative (member)
2015-present	American Association of Pharmaceutical Scientists (member)
2014-present	Colorado Children's Immunization Coalition (member)
2014-present	American Society of Virology (member)
2011-present	International Society of Neurovirology (member)
2011-present	American Association of Immunologists (member)
2008-present	American Society of Microbiology (member)
1997-present	Gonzaga University Alumni Association (member)

SERVICE TO REGIS UNIVERSITY

Regis University Committee Memberships

2020-present	Institutional Review Board committee (member)
2017	Regis University IRB Task Force Review Committee
2016-present	Regis University Emergency Point of Dispensing Program, primary organizer and manager

Rueckert-Hartman College for Health Professions Committee Memberships

2019-Present	Council for Research and Scholarship (chair)
2017- Present	Educational Technology Committee (member)
2017-2019	Council for Research and Scholarship (member, chair-elect)

School of Pharmacy Committee Memberships

2020-present	School of Pharmacy Student Affairs Committee (member)
2015-2020	School of Pharmacy Mission Liaison
2018-present	Advisor, Industry Pharmacists Association, student chapter
2014-2020	School of Pharmacy Faculty Affairs, committee member and chair
2014-2017	School of Pharmacy, Awards and Scholarship, committee chairperson
2015-2017	Advisor, American Association of Pharmaceutical Scientists student chapter

Department of Pharmaceutical Sciences Committee Memberships

2017-Present Department of Pharmaceutical Sciences Chair Search Committee
(Member)

SERVICE TO THE COMMUNITY

2019-present Colorado Parents for Vaccinated Communities, member
2017-present Broomfield Community that Care, committee member
2017-present Red Cross volunteer government liaison to the City of Broomfield
2016-present City of Broomfield Police Department Victim Advocate
2015-present Pet Therapy Dog handler and team member
2015-present Colorado HPV Advisory Board member
2014-present Colorado Children's Immunization Coalition member (now called
Immunize Colorado
2014-2020 Colorado Student Leadership Institute, board member
2014 Citizens for Adams 12 Schools, Speakers Bureau member
2012-2015 Adams 12 School District School Improvement Team,
board member, president
2013-present Boulder Valley Humane Society, shelter volunteer, foster
volunteer
2012-2013 Coyote Ridge Elementary School, science club
volunteer
2009-present First Presbyterian Church of Broomfield, member,
facilities committee
2005 City of Bothell Watershed Improvement Team, volunteer
2004-2007 Seattle Hill Homeowners Association, president
1997-1998 Americorps, Corporation for National & Community
Service (VISTA)
1995-1997 Volunteers of America, homeless shelter volunteer

HONORS AND AWARDS

2019-2020 Regis University Reuckert Hartman College Service Ignatian Award
2014 Family Engagement Training Certificate
Colorado Department of Education
2014 Founding Member, Raise the Bar America Achieves
2013-2014 American Society of Microbiology Teaching Fellowship Program
2013 Rocky Mountain Association of Microbiology
Best Post-doctoral Talk
2012 International Society for Neurovirology Young Investigator Award
2012 International Society for Neurovirology Travel Award

2012-2013	American Association of Immunologists Public Policy Fellowship	
2010	UNC Academic Excellence in Research Award	
2009-2010	Cross Family Memorial Scholarship	
2009-2010	Gerald D. Schmidt Memorial Fellowship	
2008-2009	Albert M. Winchester Graduate Fellowship	
2003	Seattle Genetics Teamwork Award Recipient	
1999-2000	Swartz Biotechnology Graduate Fellowship	
1998	Volunteers of America Crosswalk Outstanding	Contribution Award
1995-1997	Gonzaga University Academic Scholarship	
1995	Big Sky All-Academic Team	