

CURRICULUM VITAE FOR **CASE WESTERN RESERVE UNIVERSITY SCHOOL OF MEDICINE**

DATE: DECEMBER 21, 2020

PERSONAL INFORMATION

Name: Perez, Federico

Federico Pérez, MD

Education

School: United World College of the American West

Degree: International Baccalaureate

Dates: September 1992- May 1994

School: Universidad del Valle School of Medicine

Degree: MD

Dates: September 1994- November 2001

School: Case Western Reserve University

Degree: MS, Clinical Research

Dates: September 2013- December 2017

Post-Graduate Training

Institution: University Hospitals Cleveland Medical Center, 11100 Euclid Av., Cleveland, Ohio

Position: Internal Medicine resident

Dates: July 2003 – June 2006

Institution: University Hospitals Cleveland Medical Center, 11100 Euclid Av., Cleveland, Ohio

Position: Infectious Diseases fellow

Dates: July 2006 – June 2009

Contact Information

Office Address: Louis Stokes Cleveland Department of Veterans Affairs Medical Center
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PROFESSIONAL APPOINTMENTS (list recent to oldest)

Position/Rank: Physician and Researcher

Institution/Department: Louis Stokes Cleveland Department of Veterans Affairs Medical Center

Dates: July 2009 – present

Position/Rank: Director, Infectious Disease Fellowship Training Program

Institution/Department: University Hospitals Cleveland Medical Center/Louis Stokes Cleveland VA
Medical Center/MetroHealth Medical Center/Case Western Reserve University

Dates: July 2016 – present

Position/Rank: Faculty Scholar

Institution/Department: Louis Stokes Cleveland VA Medical Center Quality Scholars Program

Dates: January 2018 – 2020

ACADEMIC APPOINTMENTS

Position/Rank: Associate Professor

Institution/Department: Case Western Reserve University School of Medicine/Department of Medicine

Dates: Effective July 1st 2018

Position/Rank: Assistant Professor
Institution/Department: Case Western Reserve University School of Medicine/Department of Medicine
Dates: January 2012 – June 2018

Position/Rank: Senior Instructor
Institution/Department: Case Western Reserve University School of Medicine/Department of Medicine
Dates: April 2011 – January 2012

CERTIFICATION AND LICENSURE

Name of Board: American Board of Internal Medicine – Certificate in Internal Medicine
Date of Certificate: 2006 –ongoing recertification

Name of Board: American Board of Internal Medicine – Certificate in Internal Medicine
Date of Certificate: 2008 - ongoing recertification

Licensure State/Number: *Doctor of Medicine* license by the State Medical Board of Ohio
Date Issued: 2006 – valid until 4/1/2022

HONORS AND AWARDS

Top graduate, Universidad del Valle School of Medicine, Class of 2001.

Simon Bolivar Award, Colombian Ministry of Education for obtaining the second highest score in the National Medical Graduates Examination, 2002.

Third Prize National “Best Intern” Competition, Colombian Association of Medical Schools, 2001.

Harold C. Klein, M.D. Award, for humaneness and caring of patients, University Hospitals Case Medical Center, 2006.

Infectious Diseases Fellow Travel Grant, Interscience Conference on Antimicrobial Agents and Chemotherapy, 2006-2008.

Infectious Diseases Society of America Fellow Travel Award, Infectious Diseases Society of America meeting, for excellence in abstract submission, 2007.

Chief Fellow, Division of Infectious Diseases and HIV Medicine, University Hospitals Case Medical Center, 2008-2009.

Wyeth Fellowship in Antimicrobial Resistance, Case Western Reserve University and University Hospitals Case Medical Center, 2008-2009.

Louis Stokes Scholar, Clinical and Translational Science Collaborative KL2 Program, 2012-2016.

Scholars Abstracts Award, Translational Science Conference, 2013.

Research Award Young Faculty Category, Department of Medicine, Case Western Reserve University School of Medicine, May 2013.

Mentee, Antimicrobial Resistance Leadership Group, 2013.

Scholarship in Teaching Award, Case Western Reserve University School of Medicine, March 2014.

Faculty Clerkship Teaching Award, Department of Medicine, Case Western Reserve University School of Medicine, May 2014.

Member of the Academy of Scholar Educators, Case Western Reserve University School of Medicine, April 2017.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Infectious Diseases Society of America, member, 2006 – present

European Society for Clinical Microbiology and Infectious Diseases, 2017 – present

PROFESSIONAL SERVICES

Member of the Editorial Advisory Board, *Open Forum Diseases*, 2019

Treasurer, Veterans Affairs Society of Practitioners in Infectious Diseases (VASPID), 2018-present

Member Program Directors Committee, Infectious Diseases Society of America, 2016-2019

Member of the Editorial Board, *Pathogens and Immunity*, 2016-present

Ad-hoc Peer Reviewer for the following journals and organizations

Diagnostic Microbiology and Infectious Diseases, 2010 - present
Journal of Antimicrobial Chemotherapy, 2010 - present
Antimicrobial Agents and Chemotherapy, 2011 – present
Journal of Clinical Microbiology, 2011 - present
American Journal of Infection Control, 2012 - present
Microbial Drug Resistance, 2012 - present
Scandinavian Journal of Infectious Diseases, 2013 - present
Clinical Infectious Diseases, 2014 – present
International Journal of Antimicrobial Agents, 2014 – present
Lancet Infectious Diseases, 2014 – present
Open Forum Infectious Diseases, 2016-present
Journal of Global Antimicrobial Resistance, 2016-Present
Future Microbiology, 2017-Present
Commission of Privat-Docents, University of Geneva Faculty of Medicine, 2016
Health Research Board, Ireland, 2017
IDWeek Abstract reviewer, 2017-2020
Selection committee, Institutional KL2 Career Development Program, CWRU, 2017-Present
Wellcome Trust, United Kingdom, 2018
Medical Research Council, United Kingdom, 2019

COMMITTEE SERVICE

Committee Name/Role: Critical care council, Louis Stokes Cleveland VA Medical Center/member. Dates of Service: 2009 – present

Committee Name/Role: Faculty search committee, Department of Microbiology and VA-CARES/member. Dates of Service: July 2018 – present

Panel Member, Office of research and development special emphasis panel (SEP) ZRD1 CSDR-Y1 for evaluation of COVID-19 clinical trials – October 23, 2020

Educational Committees

Committee Name/Role: Clinical competency committee, Infectious Diseases Fellowship University Hospitals Cleveland Medical Center/ Louis Stokes Cleveland VA Medical Center/Metrohealth Medical Center/chair. Dates of Service: 2015 – present

TEACHING ACTIVITIES

Curriculum/Course Development

1. “Augmenting the assessment of third year internal medicine clerkships through oral exams” - with Dr. Clifford Packer.
2. Infectious Diseases fellowship core curriculum
3. “Big Data” and clinical training of Infectious Diseases fellows

Local presentations

Undergraduate Students

1. *Lecturer* (1 hour). SAGEs seminar on *Antibiotics: from superdrug to superbug* (12/3/19).

Medical Students

2. *Lecturer* (1 hour). Block 5, Medical school curriculum. Streptococci and streptococcal infections – CWRU School of Medicine (8/29/11, 9/1/12, 9/11/13, 9/5/14, 9/2/15, 8/31/16, 9/1/17, 9/1/18). (Attended by second year medical students).
3. *Lecturer* (1 hour). Block 5, Medical school curriculum. Gram negative bacteria – CWRU School of Medicine (9/9/13, 9/5/14, 9/2/15, 9/1/16, 9/1/17, 9/1/18). (Attended by second year medical students).

4. *Lecturer* (1 hour). Block 5, Medical school curriculum. Prokaryotic organization – CWRU School of Medicine (9/9/13, 9/5/14, 9/2/15, 8/31/16, 9/1/17, 9/1/18, 8/21/19). (Attended by second year medical students).
5. *Moderator* (2 hours) IQ Plus session – CWRU School of Medicine (8/27/2010 and 9/11): Diabetic foot infection (Attended by 3rd year medical students).
6. *Leader* (2 hours) Medium Sized Groups – CWRU School of Medicine (9/10/2010 and 9/9/2011): Urinary tract infection and pneumonia (Attended by 2nd year medical students)
7. *Leader* (2 hours) Medium Sized Groups – CWRU School of Medicine (9/24/2010): Infection with mycobacteria other than tuberculosis and acute HIV infection (Attended by 2nd year medical students)
8. *Leader* (2 hours) Medium Sized Groups – CWRU School of Medicine (10/1/2010 and 9/23/11): Infection with coccidioidomycosis and renal transplantation (Attended by 2nd year medical students)
9. *Teaching Attending* – CWRU School of Medicine/Department of Medicine clerkship (1-2/2011): Sessions (2-hour duration, 2 days a week for 6 weeks) with medical students to discuss and refine H & P and PEs (Attended by 3rd year medical students).
10. *Lecturer* (1 hour) 3rd year Medical Student lecture series – Department of Medicine (6/17/09, 2/10/10, 6/16/10, 4/28/11, 8/23/11, 9/12, 3/13/15, 6/12/15, 12/2/2016, 3/17, 6/17, 3/9/18, 6/1/18, 9/28/18, 12/7/18, 3/15/19, 6/19, 9/19): Antibiotics (Attended by 3rd year medical students)

Residents

1. *Lecturer* (½ hour). Internal Medicine Residents' Noon Lecture - VAMC (1/6/10): Cholangitis (Attended by house staff)
2. *Lecturer* (½ hour). Internal Medicine Residents' Noon Lecture - VAMC (2/16/10): Herpes zoster infection (Attended by house staff)
3. *Lecturer* (½ hour). Internal Medicine Residents' Noon Lecture – VAMC (6/8/10): Necrotizing cellulitis and rhabdomyolysis. (Attended by house staff)
4. *Lecturer* (½ hour). Internal Medicine Residents' Noon Lecture – VAMC (1/11): Endovascular infections and *Salmonella*. (Attended by house staff)
5. *Lecturer* (½ hour). Internal Medicine Residents' Noon Lecture – VAMC (4/28/11): Latent tuberculosis infection. (Attended by house staff)
6. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (8/11/11): Pulmonary infection in a patient with AIDS (Attended by house staff and medical students).
7. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (1/6/12): Community acquired pneumonia (Attended by house staff and medical students).
8. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (5/14/12): Candida infection (Attended by house staff and medical students).
9. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (6/3/13): Community acquired pneumonia caused by *Legionella* (Attended by house staff and medical students).
10. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (1/8/14): Pulmonary infection in a patient with neutropenia (Attended by house staff and medical students).
11. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (2/9/15): Bloodstream infection caused by ESBL-producing *Escherichia coli* after prostate biopsy (Attended by house staff and medical students).
12. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (3/2/15): New antibiotics and strategies to administer antibiotics for the treatment of Gram-negative bacteria.
13. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (12/29/15): Pneumococcal vaccines
14. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (7/21/16): Procalcitonin
15. *Invited Lecture*: Peter Agre Society – UHCMC (2/7/18): Research in Antibiotic Resistance
16. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (3/5/18): DRESS syndrome
17. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (7/7/18): Cavitory lung lesion
18. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (11/26/18): Neutropenic fever and lung mass
19. *Lecturer* (1 hour). Internal Medicine Resident's Noon Lecture – VAMC (1/6/19): Interesting stories in Infectious Diseases in 2018

Fellows

1. *Discussant* (30 min). Infectious Diseases Fellows Journal Club – UHCMC (11/12/09): Genetic susceptibility to infection. (Attended by ID fellows).
2. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (4/12/10; 2/22/16): Ocular infections (Attended by Infectious Diseases fellows).
3. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (1/17/11): Rare infections in U.S. common elsewhere: leptospirosis, leishmaniosis and Chagas disease. (Attended by Infectious Diseases fellows).
4. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (1/29/12): Candida. (Attended by Infectious Diseases fellows).
5. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (1/29/12): Candida. (Attended by Infectious Diseases fellows).
6. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (5/6/13): Pneumonia, antibiotics and study design. (Attended by Infectious Diseases fellows).
7. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (10/14/13): Treatment of infections caused by ESBL- and KPC producing *Enterobacteriaceae*. (Attended by Infectious Diseases fellows).
8. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (10/20/14): Antibiotic resistant Gram-negative bacterial infections in patients with cancer. (Attended by Infectious Diseases fellows).
9. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (5/15/15): Global Surveillance of Antibiotic Resistant Gram-negative bacteria. (Attended by Infectious Diseases fellows).
10. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (1/31/17): Cases in Antibiotic Resistance (Attended by Infectious Diseases fellows).
11. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (2/8/17 and 10/8/18): Endocarditis (Attended by Infectious Diseases fellows).
12. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (8/21/17): Bloodstream infections (Attended by Infectious Diseases fellows).
13. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (9/18/17): Candida (Attended by Infectious Diseases fellows).
14. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (10/30/17): Eye infections (Attended by Infectious Diseases fellows).
15. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (12/20/17): The year in ID: important papers (Attended by Infectious Diseases fellows).
16. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine (1/13/19): Interesting stories in Infectious Diseases in 2018 (Attended by Infectious Diseases fellows).
17. *Lecturer* (1 hour) Fellows' Lecture series – Division of Infectious Diseases and HIV Medicine 4/7/19): Active surveillance for MRSA and CRE (Attended by Infectious Diseases fellows).

Continuing medical education

1. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (7/8/09): *Streptococcus gordonii* prosthetic valve endocarditis. (Attended by physicians, house staff and medical students).
2. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (10/2/09): *Pantoea* spp. bacteremia. (Attended by physicians, house staff and medical students).
3. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (4/14/10): Septic arthritis. (Attended by physicians, house staff and medical students).
4. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (6/23/10): Infection in the immunocompromised host. (Attended by physicians, house staff and medical students).
5. *Discussant* (½ hour). Morbidity and Mortality Conference – UHCMC (2/5/10): *Acinetobacter* infection in a transplant patient. (Attended by physicians, house staff and medical students).
6. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (7/7/11): Infection in a patient with Myelodysplastic Syndrome. (Attended by physicians, house staff and medical students).
7. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (1/18/12): Aspergilloma and chronic invasive aspergillosis. (Attended by physicians, house staff and medical students).

8. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (2/27/12): Gonococcus and joint disease. (Attended by physicians, house staff and medical students).
9. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (8/1/12): Diarrhea and salmonellosis. (Attended by physicians, house staff and medical students).
10. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (12/19/12): MRSA bacteremias and vascular graft infection. (Attended by physicians, house staff and medical students).
11. *Discussant* (½ hour). Morbidity and Mortality Conference – UHCMC (1/4/13): KPC-producing *Klebsiella pneumoniae* in a cancer patient. (Attended by physicians, house staff and medical students).
12. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (11/6/13): Invasive Aspergillosis: the bug, the host and the drug. (Attended by physicians, house staff and medical students).
13. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (11/6/13): Necrotizing fasciitis caused by *Escherichia coli*. (Attended by physicians, house staff and medical students).
14. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (1/29/14): Airway in a patient with oral cancer. (Attended by physicians, house staff and medical students).
15. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (6/12/15): Subacute bacterial endocarditis (Attended by physicians, house staff and medical students).
16. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (4/23/16): Fulminant *Clostridium difficile* colitis (Attended by physicians, house staff and medical students)
17. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (11/9/16): Literature review: ID (Attended by physicians, house staff and medical students)
18. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (12/17/16): Cryptococcal meningitis and AIDS (Attended by physicians, house staff and medical students)
19. *Discussant* (½ hour). Morbidity and Mortality Conference – UHCMC (2/10/17): *Candida* and *Staphylococcus aureus* bloodstream infection and their perilous sequelae (Attended by physicians, house staff and medical students)
20. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (2/23/17): *Escherichia coli* necrotizing skin and soft tissue infection (Attended by physicians, house staff and medical students)
21. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (9/6/17): *Campylobacter coli* bloodstream infection (Attended by physicians, house staff and medical students)
22. *Discussant* (½ hour). Morbidity and Mortality Conference – UHCMC (1/5/18): Endocarditis in people who inject drugs (Attended by physicians, house staff and medical students)
23. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (5/16/18): Steroids in septic shock (Attended by physicians, house staff and medical students)
24. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (9/5/18): Sepsis syndrome and rhabdomyolysis (Attended by physicians, house staff and medical students)
25. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (4/17/19): Legionellosis in a cardiac transplant patient (Attended by physicians, house staff and medical students)
26. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (6/12/19): Infections in people who inject drugs (Attended by physicians, house staff and medical students)
27. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (2/12/20): Coronavirus disease 2019 (Attended by physicians, house staff and medical students)
28. *Discussant* (½ hour). Morbidity and Mortality Conference – VAMC (2/26/20): Community acquired pneumonia guidelines (Attended by physicians, house staff and medical students)

Grand Rounds

1. Infectious Diseases Grand Rounds, Cleveland Clinic Foundation – (10/13/10): Re-discovering Multidrug Resistant Gram-negative bacteria (Attended by ID physicians, 1 hour).
2. Department of Medicine Grand Rounds, University Hospitals Case Medical Center – (12/7/10): Responding to the threat of antibiotic resistant Gram-negative bacteria. (Attended by physicians, house staff and medical students)
3. Department of Medicine Research Day, University Hospitals Case Medical Center – (5/16/11): Plenary speaker - Investigations in antibiotic resistance: a young clinician's perspective.

4. Division of Rheumatology Grand Rounds, University Hospitals Case Medical Center – (2/2/12): Update in Antibiotics
5. Department of Medicine Grand Rounds, University Hospitals Case Medical Center – (2/4/14): Extensively drug resistant (XDR) *Pseudomonas aeruginosa*: a new challenge in our midst.
6. Emmanuel Wolinsky Series, Department of Medicine, MetroHealth Medical Center – (11/7/14): Extensively drug resistant (XDR) *Pseudomonas aeruginosa*: a new challenge in our midst.
7. Department of Medicine Grand Rounds, Fairview Hospital – (1/25/16): Extensively drug resistant (XDR) Gram negative bacteria.
8. Infectious Diseases and Microbiology Grand Rounds, University Hospital and University of Western Ontario School of Medicine – (2/20/18): Evidence for the treatment of carbapenem-resistant Gram-negative bacteria.
9. Infectious Diseases Grand Rounds, Cleveland Clinic – (11/6/19): *Pseudomonas aeruginosa*

Regional conferences

1. Northeast Ohio Infectious Diseases Roundtable – (11/18/09): Bugs and drugs: highlights in antimicrobial resistance from IDSA/ICAAC (Attended by local ID physicians, ½ hour).
2. Cleveland Ophthalmological Society Meeting – (4/13/10): The new face of ocular infections (Attended by local ophthalmologists, ½ hour).
3. Infectious Diseases Update, Parma General Hospital – (10/13/10): Update on Multidrug Resistant Gram-negative bacteria (Attended by ID physicians and infection control practitioners).
4. Sport Fellowship Lecture Series, Sport Health Center Cleveland – (11/5/10): Infectious Diseases and athletes (Attended by physical therapists and sport physicians, 15 minutes).
5. Steris Corporation Infection Control Summit, (9/11): MRSA Initiative at VA (Attended by Infection control practitioners, 30 minutes).
6. Antibiotic Resistance Workshop Detroit (10/11), session moderator (Attended by Infection control practitioners, 30 minutes).
7. Northeast Ohio Infectious Diseases Roundtable – (11/16/11): Is there and end in sight to the crisis?: New antibiotics from 51st ICAAC. (Attended by local ID physicians, ½ hour).
8. Northeast Ohio Infectious Diseases Roundtable – (11/14/12): Bad bugs, no drugs: New antibiotics from 52nd ICAAC. (Attended by local ID physicians, ½ hour).
9. Lecture for ID fellows at Cleveland Clinic – (4/3/13): Molecular Surveillance of Carbapenem Resistant Organisms: Emergence of High-Risk Clones in Northeast Ohio. (Attended by ID fellows and faculty, ½ hour).
10. Speaker at the Ohio Association for Advanced Practice Nurses Statewide Conference – (10/25/14): Antibiotic stewardship. (Attended by Advanced Nurse Practitioners)
11. Northeast Ohio Infectious Diseases Roundtable – (3/6/16): Colistin Resistance in Enterobacteriaceae. (Attended by regional ID physicians, ½ hour)
12. 16th Annual Spinal Cord Injury Conference at Cleveland VAMC – (10/16): Pneumonia in patients with SCI (Attended by SCI nurses and physicians 45 minutes).
13. Infectious Diseases Society of Ohio (4/22/17): Update in antibiotic resistance in Gram negative bacteria. (Attended by ID physicians from the state of Ohio, 45 minutes).
14. 17th Annual Spinal Cord Injury Conference at Cleveland VAMC – (10/28/17): Osteomyelitis in patients with SCI (Attended by SCI nurses and physicians 45 minutes).
15. Meeting of the Northeastern Ohio Association of Clinical Microbiologists (TIIMS Group), SouthPoint Hospital, (3/15/18): “Diagnosing Sepsis and Bacteremia: A Clinician’s Perspective” (Attended by clinical microbiologists and laboratory technicians).
16. VISN10 GRECC Topics lecture (3/6/20): COVID-19 and SARS-CoV-2 epidemic (Broadcast regionally and nationally).

National conferences

1. Speaker, Sixth Annual Conference on Molecular Diagnostics for Infectious Disease, Washington DC - (8/20 - 21, 2014): “Salvage Microbiology”—Identifying Pathogens in Culture Negative Infections
2. Speaker, Fifth International Conference on Global Health, Miami, FL – (5/20-22, 2015): “Antimicrobial Resistance Surveillance and its Impact in the Americas”

3. Speaker, IDWeek 2016, New Orleans (10/26-30, 2016): Polymyxin resistance
4. Speaker, IDWeek 2016, New Orleans (10/26-30, 2016): Metallo-beta-lactamase producing *P. aeruginosa*
5. Moderator, IDWeek, 2016, New Orleans (10/26-30, 2016): Session on Bacteremia
6. Moderator, IDWeek, 2017, San Diego (10/4-8, 2017): Session on Bacteremia
7. Speaker, IDWeek 2018, San Francisco (10/3-7, 2018): Meropenem-vaborbactam and its current role
8. Moderator, IDWeek 2019, Washington (10/2-6, 2019): Press conference: Antibiotic-free or organic poultry half as likely to be contaminated with multidrug-resistant Salmonella

International conferences

9. Lecturer, Molecular Pathogenesis of Gram negative bacteria, Symposium of the National Academy of Science and Technology, National Institute of Health, University of the Philippines, Manila, Philippines – (2/20/2015): Who is winning the antibiotics arms race?: The current status of our battle against *Acinetobacter baumannii*.
10. Speaker, 53rd State of the Art Conference “Contagion: Epidemics and emerging infections”, Philippine Society for Microbiology and Infectious Diseases, Manila, Philippines – (2/22/15): Multidrug resistant, extensively drug resistant and pandrug resistant Gram-negative bacteria. (Attended by ID doctors and critical care doctors)
11. Speaker, 53rd State of the Art Conference “Contagion: Epidemics and emerging infections”, Philippine Society for Microbiology and Infectious Diseases, Manila, Philippines – (2/23/15): Future antimicrobial agents and treatment strategies for Gram negative bacteria. (Attended by ID doctors and critical care doctors)
12. Speaker, 12th meeting of the Colombian Infectious Diseases Society, Bogota, Colombia (8/13/15): MDR/PDR Gram negative bacteria: are there any treatment options? (Attended by ID doctors)
13. Speaker, 12th meeting of the Colombian Infectious Diseases Society, Bogota, Colombia (8/13/15): *Acinetobacter baumannii*: why are we afraid? (Attended by ID doctors)
14. Speaker, II Polymyxins Conference (9/22-9/24/15): How do Gram negative bacteria escape polymyxin killing? San Diego CA.
15. Speaker, 13th Annual Meeting of the Chilean Collaborative Bacterial Resistance Group, Santa Cruz, Chile (3/31/17): New developments in antibiotic resistance in Gram negative rods
16. Speaker, 13th Annual Meeting of the Chilean Collaborative Bacterial Resistance Group, Santa Cruz, Chile (4/1/17): Utility of whole genome sequencing in diagnosing antibiotic resistance”
17. Speaker, 13th Annual Meeting of the Chilean Collaborative Bacterial Resistance Group, Santa Cruz, Chile (4/1/17): Beyond colistin: new antibiotic against resistant Gram-negative rods
18. Podium presentation, 28th European Congress of Clinical Microbiology and Infectious Diseases, Madrid, Spain (4/21/18): INCREMENT score predicts mortality in patients with carbapenem-resistant *Enterobacter cloacae* complex bloodstream infections from the VHA
19. Speaker, III Polymyxins Conference, Madrid, Spain (4/26/18): Clinical Impact of Colistin Resistance
20. Speaker, XXV Colombian Congress on Internal Medicine Cali, Colombia (8/16-18/18): Combination therapy against Gram negative bacteria and the threat of *Acinetobacter*
21. Speaker, VIII International Symposium on Hospital Acquired Infections and Antimicrobial Stewardship, Cali Colombia (3/27-3/29/19): Active surveillance against MRSA and CRE
22. Speaker, VIII International Symposium on Hospital Acquired Infections and Antimicrobial Stewardship, Cali, Colombia (3/27-3/29/19): Challenging cases in antimicrobial resistance
23. Speaker, 14th meeting of the Colombian Infectious Diseases Society and 18th Meeting of the Latin American Society of Pediatric Infectious Diseases, Cartagena de Indias, Colombia (8/23-24/19): Management of infection in the era of multidrug resistance
24. Speaker, 14th meeting of the Colombian Infectious Diseases Society and 18th Meeting of the Latin American Society of Pediatric Infectious Diseases, Cartagena de Indias, Colombia (8/23-24/19): Challenging cases in MDR organisms: *Pseudomonas aeruginosa*
25. Speaker, University Course of Bacterial Resistance, Santiago de Chile, Chile (8/26-27/19): *Pseudomonas aeruginosa* and advances in resistance mechanisms
26. Speaker, University Course of Bacterial Resistance, Santiago de Chile, Chile (8/26-27/19): New molecules in development to treat Gram-negative rods

Trainees / Mentees

1. Nathan Summers, MD, 2015, resident, Internal medicine residency program at UHCMC

2. Leanne Moore, 2015, PharmD resident at Louis Stokes Cleveland VAMC
3. Max Feinstein, medical student, 2016, CWRU School of Medicine
4. Patricia Bartley, Infectious Diseases fellow, 2016, University Hospitals Cleveland Medical Center
5. Nadim El Chakhtoura, Infectious Diseases fellow, 2016, University Hospitals Cleveland Medical Center
6. Sachin Patel, Infectious Diseases fellow, 2016, University Hospitals Cleveland Medical Center
7. Anubhav Kanwar, , Infectious Diseases fellow, 2017, University Hospitals Cleveland Medical Center
8. Mohamad Yasmin, Infectious Diseases fellow, 2017, University Hospitals Cleveland Medical Center
9. Rishi Sharma, Infectious Diseases fellow, 2018, University Hospitals Cleveland Medical Center
10. David C. Nguyen, Infectious Diseases fellow, 2019, University Hospitals Cleveland Medical Center

Teaching Material Produced

1. Oral examination conducted at end of medicine rotation at VAMC – every 3 months throughout year (Activity coordinated by Dr. Clifford Packer).
2. Infectious Diseases fellowship core curriculum
3. “Big Data” and clinical training of Infectious Diseases fellows

Teaching Administration

1. Program director, Infectious Diseases fellowship program, Case Western Reserve University/University Hospitals Cleveland Medical Center/Louis Stokes Cleveland VA Medical Center/MetroHealth Medical Center.

Teaching Activities (see above for lectures given to trainees)

1. Attending physician, Inpatient Medicine service – 1 senior resident, 2 interns, +/- 2 medical students, Louis Stokes Cleveland VA Medical Center – approximately 6 weeks a year
2. Attending physician, Infectious Diseases consultation service – 1 fellow +/- medical students, pharmacy or podiatry residents, Louis Stokes Cleveland VA Medical Center –approximately 6 weeks a year

RESEARCH SUPPORT

1. *STERIS Corporation* Internal Seed Grant. July 2009 – July 2011. \$37,500 direct costs. The aims were: 1) to survey and determine the genetic basis of resistance among carbapenem resistant organisms from acute care and long-term care facilities in Cleveland
2. *Career Development Award, KL2* - Clinical Translational Science Collaborative/National Institutes of Health, July 2012 – July 2016. The aims of the proposal were to develop as an independent investigator in infectious diseases and antimicrobial resistance and to investigate the clinical and molecular determinants of infection with carbapenem resistant pathogens in hospitalized patients
3. *Pfizer Independent Grants for Learning and Changing*. Reducing Disparities in Pneumococcal Vaccination among Ohio Veterans. The goal was to understand the vaccination among veterans at risk for invasive pneumococcal disease. PIs: Federico Perez and Robin L. Jump. July 2014- July 2016. \$250,000.
4. *Merck*. Real-world Clinical use of ceftolozane/tazobactam for the treatment of Gram-negative infections in Northeast Ohio and Southeast Michigan. The goal of this project is to compare the effectiveness of ceftolozane/tazobactam to colistin based regimens for the treatment of Gram-negative bacterial infections. April 2017 - December 2018. \$304,000.
5. *Pfizer*. Epidemiology and Risk Factors for Group B Streptococcal Infections Among Veterans. The overall goal for this project is to use the using the VA’s robust and comprehensive databases to identify populations most at risk for both invasive and non-invasive GBS infections. PIs: Federico Perez and Robin L. Jump. January 2018- December 2019. \$237,000.
6. *Pfizer*. Burden of Community-Acquired Pneumonia in the Veterans Affairs Population in 2016-2017. The goals of this project are to determine the incidence of community-acquired pneumonia occurring among Veterans, with stratification by age, risk group and geographic region. PIs: Federico Perez and Robin L. Jump. January 2019 – December 2019. \$204,100.
7. *Accelerate Diagnostics*. Analysis of Real-World Outcomes and Practices in Treating Patients with Hospital-Acquired Bacterial Pneumonia. The goals of this project are to evaluate the timing of microbiological tests pertaining to samples obtained by bronchoscopy from veterans diagnosed with hospital-acquired pneumonia and to assess the potential for influence of rapid diagnostics to influence the use of antibiotics for those patients. PIs: Federico Perez and Robin L. Jump. January 2019 – December 2019. \$55,250.

8. *Merck*. Outpatient Clostridiodes difficile and resistant bacteria from antibiotic prescribing. The goal of this project is to test the use of comparative feedback reports that make making unintended consequences of antibiotic prescriptions visible to prescribing clinicians on their overall antibiotic use. PIs: Federico Perez and Robin L. Jump. January 2020 – December 2021. \$250,700
9. VHA CSP #2028: Epidemiology, Immunology and Clinical Characteristics of COVID-19 (EPIC3) within the Veterans Health Administration study. The study is composed of 3 cohorts, each recruiting those with and without SARS-CoV-2 infection. One cohort recruits from inpatients, another recruits from outpatients, and the last cohort will be Community Living Center (CLC) based. It is a 4-year study. LSI/Co-LSI: Federico Perez and Robin L. Jump.
10. *Locus Research*: A multi-center randomized, double-blind study to assess the safety, tolerability, pharmacokinetics and pharmacodynamics of a cocktail of bacteriophages modified with CPRISPR (Ibpec01) in patients with lower urinary tract colonization caused by *E. coli*. Site PI: Federico Perez
11. *Pfizer*: A phase 1/2/3 placebo controlled randomized observer blind dose finding study to describe the safety tolerability, immunogenicity and potential efficacy of SARS-CoV-2 vaccine candidates against Covid-19 in healthy adults. Site co-I: Federico Perez

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Peer Reviewed Articles

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2. Villegas MV, Correa A, **Perez F**, Miranda MC, Zuluaga T, et al. Prevalence and characterization of extended-spectrum beta-lactamases in *Klebsiella pneumoniae* and *Escherichia coli* isolates from Colombian hospitals. *Diagn Microbiol Infect Dis*. 2004 Jul;49(3):217-22. PubMed PMID: [15246513](#).
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Book Chapters

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Abstracts

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Without Prior Exposure to MV: Collateral Damage. Abstract presented at IDWeek 2018, October 3-7, 2018, San Francisco, CA.

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74. El Chakhtoura NG, Wilson B, Gutiérrez-Gutiérrez B, **Perez F**, Saade S, Donskey CJ, Rodríguez-Bano J, Bonomo RA; 2397. Comparing Predictive Performance of INCREMENT Scores on Mortality Among Patients with Carbapenem-Non-Susceptible (CNS) *Klebsiella pneumoniae* (*Kp*) and *Enterobacter cloacae* Complex (*Ecc*) Bloodstream Infections (BSI) in the Veterans Health Administration (VHA). Abstract presented at IDWeek 2018, October 3-7, 2018, San Francisco, CA.
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