

CURRICULUM VITAE
CATHERINE PASTORIUS BENZIGER, MD, MPH

BUSINESS ADDRESS:

The Duluth Clinic, Ltd.¹
400 East Third Street
Duluth, MN 55805

PRIMARY PRACTICE SITE:

St. Mary's Medical Center¹
dba Essentia Health St. Mary's Heart & Vascular Center
407 East Third Street
Duluth, MN 55805

PRESENT POSITIONS:

2017- Cardiologist, Essentia Health St. Mary's Heart & Vascular Center
2017- Member, Essentia Medical Group-Duluth²

AFFILIATIONS:

The Duluth Clinic, Ltd., dba

- Essentia Health Duluth Clinic
- Essentia Health Hayward Clinic
- Essentia Health Hibbing Clinic
- Essentia Health Spooner Clinic

Deer River Healthcare Center, Inc., dba

- Essentia Health Deer River Clinic
- Essentia Health Grand Rapids Clinic

MEDICAL STAFF PRIVILEGES:

St. Mary's Medical Center, dba

- Essentia Health St. Mary's Medical Center

SMDC Medical Center, dba

- Essentia Health Duluth

Deer River Healthcare Center, dba

- Essentia Health Deer River

Essentia Health Virginia, LLC, dba

- Essentia Health Virginia

Northern Pines Medical Center, dba

- Essentia Health Northern Pines

Pine Medical Center, dba

- Essentia Health Sandstone

St. Mary's Hospital of Superior, dba

- Essentia Health St. Mary's Hospital-Superior

¹ This facility is a wholly owned subsidiary of Essentia Health. See attached "Essentia Health Facilities". The Essentia Institute of Rural Health, a wholly owned corporation of Essentia Health, is assigned oversight of research and education for Essentia Health.

² The Essentia Medical Group was formed to provide a common practice environment for all physicians and credentialed providers within Essentia Health.

PAST POSITIONS:

2014-2015 Hospitalist, Swedish Hospital, Seattle, WA
2013-2017 Hospitalist, Kindred Hospital, Seattle, WA
2004-2009 Graduate Research Assistant, Minneapolis Heart Institute Foundation / Abbot Northwestern Hospital, Minneapolis, MN

CERTIFICATION:

2017- American Board of Internal Medicine, Cardiovascular Disease
2017-2027 American Board of Internal Medicine, Advanced Echocardiography
2015-2018 American Board of Internal Medicine, Internal Medicine

LICENSURE:

Washington
Minnesota
Wisconsin

EDUCATION:

2014-2017 University of Washington, MPH Candidate, Global Health/Health Metrics and Evaluation Track, Seattle, WA
2006-2011 University of Minnesota Medical School, MD, Minneapolis, MN
- Karolinska Institutet, Stockholm, Sweden. March-April 2011
2003-2005 Macalester College, BA in Biology, Neurobiology, St. Paul, MN
2002-2003 Boston College, Chestnut Hill, MA

POSTGRADUATE TRAINING:

2014-2017 University of Washington, Cardiology Fellowship, Seattle, WA
2011-2014 University of Washington, Internal Medicine Residency/Global Health Pathway, Seattle, WA
- Hospital Casimiro Ulloa, Miraflores, Lima, Peru. January 2013
- Universidad Peruana Cayetano Heredia, Lima Peru. January-February 2017

HONORS/AWARDS:

2017 Mayo Clinic Cardiovascular Review Course for Cardiology Boards Scholarship
2016 UW Division of Cardiology Fellow Teaching Award
2015 UW Division of Cardiology Bruce-Laughlin Research Award
2015 American College of Cardiology Young Investigator Award, finalist
2013 UW Department of Medicine Teaching Excellence Award
2013 UW Global Opportunities Health Fellowship
2012, 2013 UW Housestaff of the Week Award, January 2012, January 2013
2013, 2014 NIH Fogarty International Center Alumni Travel Award
2011 Nominated for the World Economic Forum Global Shapers Program
2011 Minnesota Medical Foundation's Global Health Scholar Award
2011 Minnesota Medical Foundation's Student Research Award

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- 2010 Minnesota Medical Foundation's Medical School Student Achievement Award
- 2010 Minnesota Medical Foundation's J. Jacob Kaplan Award
- 2010 American Heart Association Shapira Heart Scholarship
- 2009-2010 NIH Fogarty International Clinical Research Scholar and Fellowship Program - Peru
- 2008 University of Minnesota President's Student Leadership and Service Award
- 2008 University of Minnesota Mary McEvoy Award for Public Engagement and Leadership, finalist
- 2008 University of Minnesota Robert Fisch MD Art of Medicine Award
- 2008-2010 Allina Health Beven W. Bunker MD Scholarship

PROFESSIONAL MEMBERSHIPS AND SOCIETIES:

- 2014- American College of Cardiology
- 2008- American Heart Association
- 2006- American College of Physicians

COMMITTEES/ADMINISTRATIVE RESPONSIBILITIES:

- 2018-2019 American Heart Association Epidemiology Science and Lifelong learning Committee
- 2017-2019 American Heart Association Epidemiology Leadership Committee
- 2016-2017 American College of Cardiology Fellow-In-Training Chapter Co-Chair
- 2015-2016 American College of Cardiology Fellows-In-Training Committee
Medical Resident Working Group
- 2015-2017 Housestaff Quality and Safety Committee – University of Washington,
Technology Chair
- 2015-2016 University of Washington Medicine Residency Cardiology Training
Working Group, Member
- 2015 University of Washington Discovery Series Non-Communicable
Diseases Poster Session, Chair
- 2013-2014 University of Washington Resident Advising Mentoring Program, Co-
Chair
- 2011 University of Washington Medicine Residency Advisory Committee,
Class Representative
- 2011-2014 Washington Chapter American College of Physicians, Program
Representative
- 2007-2009 University of Minnesota, Wilderness Health Society, President
- 2007-2008 University of Minnesota, Internal Medicine Interest Group, Co-
President
- 2007-2008 University of Minnesota, Global Health Interest Group, Co-founder and
Chair

PUBLICATIONS - JOURNAL ARTICLES:

1. CP Benziger, JA Zavala-Loayza, A Bernabe-Ortiz, RH Gilman, W Checkley, L Smeeth, G Malaga, JJ Miranda, and the CRONICAS Cohort Study group. Low prevalence of ideal cardiovascular health in Peru. In press. *Heart*
2. CP Benziger, R Quispe, JC Bazo-Alvarez, LD Howe, W Checkley, R Gilman, L Smeeth, A Bernabé-Ortiz, JJ Miranda, and the CRONICAS Cohort Study group. The Relationship Between Socioeconomic Status and CV Risk Factors. *Global Heart* 2016;11(1):121-130.
3. J Zavala-Loayza, CP Benziger, MK Cardenas, RM Carillo-Larco, A Bernabe-Ortiz, RH Gilman, W Checkley, JJ Miranda and the CRONICAS Cohort Study group. Awareness, treatment and control of blood pressure in Peru: The CRONICAS cohort study. *Global Heart* 2016;11(1):119-120.
4. CP Benziger, K Stout, E Zaragoza-Marcias, A Bertozzi-Villa, AD Flaxman. Projected growth of the adult congenital heart disease population in the United States to 2050: an integrative systems modeling approach. *Population Health Metrics* 2015 Oct 15;13-29. PMID: 26472940
5. CP Benziger, A Bernabé-Ortiz, R Gilman, W Checkley, L Smeeth, G Malaga, JJ Miranda, and the CRONICAS Cohort Study group. Metabolic Abnormalities Are Common among South American Hispanics Subjects with Normal Weight or Excess Body Weight: The CRONICAS cohort study. *PLoS One*. 2015 Nov 23;10(11):e0138968. PMID: 26599322
6. MK Cárdenas, CP Benziger, T Pillay, JJ Miranda. The effect of changes in visibility and price on fruit purchasing at a university cafeteria in Lima, Peru. *Public Health Nutrition*. 2015 Oct;18(15):2742-9. PMID: 25434293.
7. Bernabé-Ortiz, CP Benziger, RH Gilman, L Smeeth, JJ Miranda. Sex differences in risk factors for cardiovascular disease: The PERU-MIGRANT Study. *PLoS One*. 2012;7(4):e35127. PMID: 22496899.
8. CP Benziger, A Bernabé -Ortiz, JJ Miranda, G Bukhman. Sex Differences in Health Care-seeking Behavior for Acute Coronary Syndrome in a Low Income Country, Peru. *Critical Pathways in Cardiology*. Jun 2011;10(2):99-103. PMID 21836822.
9. J Medina-Lezama, CA Pastorius, H Zea-Diaz, A Bernabé-Ortiz, F Corrales-Medina, OL Morey-Vargas, DA Chirinos, E Muñoz-Atahualpa, J Chirinos-Pacheco, JA Chirinos. Optimal definitions for abdominal obesity and the metabolic syndrome in Andean Hispanics: The PREVENCIÓN Study. *Diabetes Care*. 2010 Jun; 33(6):1385-8. PMID 20200303.
10. CA Pastorius, J Medina-Lezama, F Corrales-Medina, A Bernabé-Ortiz, R Paz-Manrique, B Salinas-Najarro, ZA Khan, J Takahashi, G Toshima, H Zea-Diaz, M Postigo-MacDowall, J Chirinos-Pacheco, F Ibañez, DA Chirinos, H Saif, JA Chirinos. Normative values and correlates of carotid artery intima-media thickness in Andean-Hispanics: The PREVENCIÓN Study. *Atherosclerosis* 2010 Aug;211(2):499-505. PMID 20510418.
11. KM Harris, CA Pastorius, S Duval, E Harwood, TD Henry, BA Carabello, AT Hirsch. Practice Variation Amongst Cardiovascular Physicians in the Management of Mitral Regurgitation: An International Survey. *American Journal of Cardiology*.

2009 Jan 15; 103(2):255-61. PMID 19121447.

12. CA Pastorius, TD Henry, KM Harris. Long-Term Outcomes of Patients With Mitral Regurgitation Undergoing Percutaneous Coronary Intervention. *American Journal of Cardiology*. 2007 Oct 15;100(8):1218-23. PMID 17920360
13. CA Pastorius, T Knickelbine, K Schum, TF Nelson, KM Harris. Tolerability and infusion time of an accelerated infusion dobutamine echocardiography protocol. *Echocardiography*. 2007 Apr;24(4):393-6. PMID 17381648

ABSTRACTS PUBLISHED:

1. CP Benziger, D Alyeshmerni, GA Roth. Prevalence of high-degree atrioventricular block: A systematic review of population-based studies. Submitted to the World Congress of Cardiology, Mexico City, Mexico. June 3, 2016. [Poster Session]. *Global Heart* 11 (2), e105-e106.
2. CP Benziger, A Bernabé-Ortiz, W Checkley, R Gilman, L Smeeth, JJ Miranda, and the CRONICAS Cohort Study group. The Prevalence of Cardiometabolically Healthy and Cardiometabolically Unhealthy Peruvians Defined by Body Size: The CRONICAS cohort study. Global Non-Communicable Disease Symposium. Atlanta, GA. September 8, 2014. *Circulation* 131 (Suppl 1), AP371-AP371.
3. MK Cárdenas, T Pillay, CP Benziger, JJ Miranda. Changes in availability, information and price in the purchasing of fruit in a university cafeteria in Lima, Peru: a pilot study. World Congress of Epidemiology 2014. Anchorage, AK. August 17, 2014. *International Journal of Epidemiology* 44 (suppl 1), i8-i8.
4. CP Benziger, AD Flaxman, A Bertozzi-Villa, K Stout. Trends in prevalence and mortality of adult congenital heart disease in the United States. World Congress of Epidemiology 2014. Anchorage, AK. August 18, 2014 [Poster Session]. *International Journal of Epidemiology* 44 (suppl 1), i154-i154.
5. CP Benziger, A Bernabé-Ortiz, W Checkley, JJ Miranda, CRONICAS Cohort Study group. The Prevalence of Cardiometabolically Healthy and Cardiometabolically Unhealthy Peruvians Defined by BMI and Bio-impedance: The CRONICAS cohort study. University of Washington Department of Global Health "Global Healthies" Poster Session and Award Ceremony. Seattle, WA. March 7, 2014 [Poster Session]. AHA/Epidemiology and Lifestyles, Baltimore, MD. March 2, 2015. UW Discovery Series and NCD Poster Session, Seattle, WA. April 22, 2015. *Journal of the American College of Cardiology* 65 (10_S).
6. CA Pastorius, JA Chirinos, F Corrales-Medina, A Bernabé-Ortiz, R Paz M, M Postigo, F Ibañez, H Zea-Díaz, B Salinas-Najarro, J Chirinos-Pacheco, J Medina-Lezama. Normative values and correlates of carotid artery intima-media thickness in Andean Hispanics: The PREVENCIÓN Study. World Congress of Cardiology 2010, Beijing, China. Jun. 19, 2010 [Poster Session] and Fogarty Alumni Symposium, Bethesda, MD. Sept. 26, 2010 [Poster Session]. *CIRCULATION* 122 (2), E362-E362.
7. EZ Grey, CA Pastorius, TD Henry, S Duval, D Windenburg, RG Hauser. Gender Outcomes in a Community Level 1 Program of Catheter-Based Rapid Reperfusion for Acute ST-Segment Elevation Myocardial Infarction. American College of Cardiology 2010, Atlanta, GA. Mar. 14, 2010 [Poster Session]. *Journal of the*

- American College of Cardiology 55 (10), A101. E946.
8. JG Schwartz, S Merkel-Kraus, S Duval, K Harris, G Peichel, JR Lesser, T Knickelbine, B Flygenring, TR Longe, CA Pastorius, WR Roberts, SC Oesterle, RS Schwartz. Does Long-term Endurance Running Enhance or Inhibit Coronary Artery Plaque Formation? A Prospective Multidetector CTA Study of Men Completing Marathons for least 25 Consecutive Years. American College of Cardiology 2010, Atlanta, GA. Mar. 16, 2010 [Poster Session]. Journal of the American College of Cardiology 55 (10), A173. E1624
 9. CA Pastorius, S Merkel-Kraus, JG Schwartz, RS Schwartz, V Pink, G Peichel, JR Lesser, T Knickelbine, B Flygenring, TR Longe. Coronary Artery Plaque Spatial Distribution Matches that of Thrombosis in STEMI, and is Underestimated by Calcified Plaque Segments Alone. Abstract presented at Abbott Northwestern Hospital Cardiology Grand Rounds Nov. 3, 2008 and at American Heart Association Scientific Session 2008, New Orleans, LA, Nov. 9, 2008 [Poster Session]. Circulation 118 (Suppl 18), S_582-S_582.
 10. KM Harris, CA Pastorius, S Duval, E Harwood, TD Henry, BA Carabello, AT Hirsch. Clinical Practice Variation Amongst Cardiovascular Physicians in the Management of Mitral Regurgitation: An International Survey. American College of Cardiology 2008, Chicago, IL. Mar. 29, 2008 [Poster Session]. Circulation 116 (Suppl 16), II_590-II_590
 11. EZ Grey, NL Thiessen, TD Henry, D Windenburg, CA Pastorius, S Duval, J Decker, RG Hauser. The Gender Gap in Door-to-Treatment Time and Outcomes in Acute ST Segment Myocardial Infarction. American College of Cardiology 2008, Chicago, IL. Mar. 31, 2008 [Poster Session]. JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY 51 (10), A213-A213.
 12. CA Pastorius, TD Henry, KM Harris. Long-Term Outcomes of Patients With Mitral Regurgitation Undergoing Percutaneous Coronary Intervention. American College of Cardiology 2007, Atlanta, GA. Mar. 31, 2007 [Poster Session]. JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY 47 (4), 284A-284A.

MANUSCRIPTS SUBMITTED/UNDER REVIEW:

1. CP Benziger, D Alyeshmerni, GA Roth. Prevalence of high-degree atrioventricular block: A systematic review of population-based studies. In submission.

BOOK CHAPTERS:

1. CP Benziger, GA Roth, AE Moran. The Global Burden of Cardiovascular Disease. *Hurst's the Heart, 14th edition* [in press, available 4/17/17].
2. CP Benziger, AL Ribeiro, GA Carmo. Chapter 3: Chagas Cardiomyopathy: Clinical presentation and management in the Americas. *Global Cardiovascular Health: Cardiology Clinics*. 2017 Feb;35(1):31-47. PMID: 27886788.

OTHER PUBLICATIONS:

1. CP Benziger, GA Roth, AE Moran. The Global Burden of Disease study and the preventable burden of non-communicable diseases. *Glob Heart*. 2016 Dec;11(4):393-397. PMID: 27938824.
2. CP Benziger, AL Ribeiro, J Narula. After 100 years, the Diagnosis, Treatment and Control of Chagas Disease Remains a Challenge. *Global Heart*. Sep 2015; 10(3); 137-8. PMID: 26407507 [Editor's Page]. PMID: 26407507.
3. CP Benziger, RH Gilman. The Impact of the Fogarty International Clinical Scholars and Fellows Program Extends Beyond Borders. *American Journal of Tropical Medicine and Hygiene*. 2014 Aug; 91(2):211-2. PMID: 24891467 [Editorial]
4. C Pastorius. Soccer and Research Collaborations Unite Cultures. *Global Health Matters*. Jul/Aug 2010;9(4).
5. C Pastorius. Playing on a global field. Like soccer, medicine unites young investigators from different parts of the world. *Minnesota Medicine*. April 2010; 93(4); 32-34. PMID 20481165
6. C Pastorius. Treating the symptoms. *The Lancet*. 372(9643):1028, 20 Sept. 2008.
7. C Pastorius. One Laptop Per Child Project Expansion. *The Lancet Student*. Epub 25 Jan. 2008.
8. C Pastorius. Portraits of child labour. *The Lancet*. 370(9592);1026, 22 Sept. 2007.

PRESENTATIONS AND PROFESSIONAL MEETINGS:

Oral Abstract Presentations (unpublished):

1. CP Benziger, JA Zavala-Loayza, A Bernabé-Ortiz, R Gilman, W Checkley, L Smeeth, G Malaga, JJ Miranda, and the CRONICAS Cohort Study group. Low prevalence of ideal cardiovascular health in Peru: The CRONICAS cohort study. American College of Cardiology 2015. San Diego, CA. March 16, 2015.
2. CP Benziger. The Global Burden of Cardiovascular Disease: Peru. Consortium of Universities on Global Health conference. Washington D.C. May 11, 2014.
3. CA Pastorius. Cardiovascular Disease and the PREVENCIÓN study in Peru. Fogarty International Clinical Research Scholars and Fellows Alumni Symposium, Bethesda, MD. Sept. 24, 2010.
4. CA Pastorius, N Pronk, J Gallagher, E Austin, T Kottke, M Lowry, A Katz. Optimal Lifestyle Metric and Short-Term Incidence of Chronic Conditions. World Congress of Cardiology 2010, Beijing, China. Jun. 18, 2010.
5. CP Benziger, SG Rayner. A Case of Delayed Recognition of Brugada Syndrome. Clinical Vignette, Washington Chapter American College of Cardiology Annual Meeting. Seattle, WA. Nov. 13, 2015 [Poster Session].
6. CP Benziger. Janeway lesions and Osler's nodes in a 42 year old intravenous drug user. Washington Chapter American College of Cardiology Annual Meeting. Seattle, WA. Nov. 13, 2015 [Poster Session].
7. CP Benziger, SG Rayner. A Case of Delayed Recognition of Brugada Syndrome. Clinical Vignette, Washington American College of Physicians Annual Meeting. Seattle, WA. Nov. 7, 2015 [Poster Session].

8. J Zavala-Loayza, CP Benziger, MK Cardenas, RM Carillo-Larco, A Bernabe-Ortiz, JJ Miranda. Hypertension under control, how many are there? The CRONICAS cohort study. NHLBI Centers of Excellence Steering Committee Meeting. Washington D.C. April 15, 2014 [Poster Session].
9. CP Benziger, P Hunt, H Deubner, V Broudy. Concurrent pernicious anemia and myelodysplastic syndrome in a patient who presented with a suicide attempt by carbon monoxide poisoning. Clinical Vignette, Washington American College of Physicians Annual Meeting, Seattle, WA. Nov. 2, 2012 [Poster Session].
10. CP Benziger, A Bernabe-Ortiz, RH Gilman, L Smeeth, JJ Miranda. Sex differences in risk factors for cardiovascular disease: The PERU MIGRANT Study. 9th Annual Western Regional International Health Conference. Seattle, WA. April 28, 2012 [Poster session].
11. CP Benziger, T Tring, S Dunaway. A rare case of *Candida parapsilosis* osteomyelitis in a diabetic woman with basal cell carcinoma. Clinical Vignette, Washington American College of Physicians Annual Meeting, Seattle, WA. Nov. 3, 2011 [Poster Session, runner-up].
12. CA Pastorius, A Bernabé-Ortiz, RH Gilman, L Smeeth, JJ Miranda. Sex differences in risk factors for cardiovascular disease: The PERU-MIGRANT Study. Fogarty International Clinical Research Scholars Selection Meeting, Bethesda, MD. Mar. 8, 2011 [Poster Session].
13. CA Pastorius, A Wert, E Coffey. Group B Streptococcal Causing Empyema and Retroperitoneal Abscesses in a Non-Pregnant Adult. Clinical Vignette, Minnesota American College of Physicians, Nov. 7, 2008 [Poster Session].

Other Presentations:

1. "My Fogarty Experience: Peru." Global Cardiovascular Disease and Diabetes Forum. University of Washington, Seattle, WA. May 29, 2014.
2. "The Global Health Pathway: Understanding Non-communicable diseases in Peru." Chief of Medicine Conference, Harborview Medical Center, Seattle, WA Aug. 6, 2013.
3. "What to do with a new diagnosis of Hepatitis C" Primary Care Conference. University of Washington. April 11, 2013.
4. "Anticoagulation and Stroke." Stroke Conference. Harborview Medical Center, Seattle, WA. December 29, 2012.
5. "Cardiac Sarcoidosis" Cardiology case conference. University of Washington, Seattle, WA. September 10, 2014
6. "Pulmonary Vein Stenosis" Cardiology case conference, University of Washington, Seattle, WA. November 5, 2014
7. "Overview of NCD research in Peru" Fellows Research Scholarly Lunch Conference, University of Washington, Seattle, WA. November 26, 2014.
8. "Ideal Cardiovascular Health in Peru" Cardiology Fellows Tutorial. University of Washington, Seattle, WA. March 6, 2015.
9. "Brugada Syndrome" Cardiology case conference. University of Washington, Seattle, WA. August 29, 2015.

10. "Complications of Acute Myocardial Infarction." Chief of Medicine lunch conference. Harborview Medical Center, Seattle, WA. September 18, 2015.
11. "Quality Improvement: Exercise Stress Testing" Fellows Research Scholarly Lunch Conference, University of Washington, Seattle, WA. September 23, 2015.
12. "Bradyarrhythmias." Chief of Medicine lunch conference. Harborview Medical Center, Seattle, WA. October 16, 2015.
13. "Takotsubo stress cardiomyopathy" Cardiology case conference. University of Washington, Seattle, WA. October 28, 2015.
14. "Paravalvular abscess" Cardiology case conference. University of Washington, Seattle, WA. January 27, 2016.
15. "Acute severe mitral regurgitation due to papillary muscle rupture" Cardiology case conference. University of Washington, Seattle, WA. March 16, 2016.
16. "Overview of stress cardiomyopathies." Chief of Medicine lunch conference. Harborview Medical Center, Seattle, WA. March 18, 2016.
17. "Severe Aortic Stenosis." Chief of Medicine lunch conference. Harborview Medical Center, Seattle, WA. April 15, 2016.
18. "Quality Improvement: Exercise Stress Testing" Housestaff Quality and Safety Committee meeting, University of Washington, Seattle, WA. April 20, 2016.
19. "Cardiovascular Disease in Latin America" University of Washington Cardiology Grand Rounds. University of Washington, Seattle, WA. June 24, 2016.
20. "Permanent pacemaker placement post-transcatheter aortic valve replacement" Cardiology case conference. University of Washington, Seattle, WA. July 27, 2016.
21. "Cardiovascular Research in Latin America" University of Washington Resident and Fellows Global Health Seminar. University of Washington, Seattle, WA. September 12, 2016.
22. "Cardiovascular Disease in Latin America" University of Minnesota Cardiology Research Conference. University of Minnesota, Minneapolis, MN. October 10, 2016.
23. "Fellow-in-training case presentation: Familial Hypercholesterolemia" Washington Chapter American College of Cardiology Annual Meeting. Seattle, WA. November 5, 2016.
24. "Ideal Cardiovascular Health – How Healthy Are We?" Washington Chapter American College of Cardiology Annual Meeting. Seattle, WA. November 5, 2016.
25. "Indoor air pollution and cardiovascular disease risk in Nepal" Fellows Research Scholarly Lunch Conference .University of Washington, Seattle, WA. May 24, 2017.
26. "Gender differences in the global burden of cardiovascular disease" Murray Visiting Professor Fellows Research Conference. University of Washington, Seattle, WA. May 25, 2017.
27. "Cardiac Amyloidosis" Cardiology case conference. University of Washington, Seattle, WA. July 5, 2017.
28. "Cardiovascular disease risk factors on the US-Mexico border" Fellows Research Scholarly Lunch Conference .University of Washington, Seattle, WA. August 24, 2017.

GRANT APPLICATION REVIEWER:

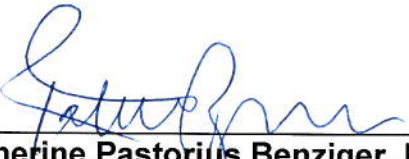
1. University of Washington Housestaff Association, grant reviewer 2011-2013

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EDITORIAL BOARDS:

1. *Global Heart* special issue on Chagas Disease, September 2015; Co-guest editor and reviewer
2. *The Lancet Student*, London, UK, 2007-2008; Editorial Board

I verify that these Curriculum Vitae are current as of this date.



Catherine Pastorius Benziger, MD, MPH

12/5/17

Date