

DIANA A. CHIRINOS, PH.D.

ACADEMIC APPOINTMENTS

01/2021 – Present	Assistant Professor (Tenure-track) Division of Epidemiology Department of Preventive Medicine Northwestern University Feinberg School of Medicine	Chicago, IL
10/2018 – 12/2020	Research Assistant Professor Division of Epidemiology Department of Preventive Medicine Northwestern University Feinberg School of Medicine	Chicago, IL
09/2017 – 09/2018	Postdoctoral Research Fellow Center for Circadian and Sleep Medicine Department of Neurology Northwestern University Feinberg School of Medicine	Chicago, IL
08/2016 – 08/2017	Rice Academy Postdoctoral Fellow Department of Psychology Rice University	Houston, TX

EDUCATION

08/2010 – 08/2016	Doctor of Philosophy University of Miami APA-Accredited Program: Clinical Psychology Specialization in Health Psychology Dissertation Title: <i>Optimal Definitions for Abdominal Obesity in US Hispanic/Latinos: Results from the HCHS/SOL Study</i>	Miami, FL
08/2010 – 05/2012	Master of Science University of Miami APA-Accredited Program: Clinical Psychology Specialization in Health Psychology Dissertation Title: <i>Leptin as a novel predictor of somatic depressive symptoms in Hispanics with the metabolic syndrome</i>	Miami, FL
03/2004 – 12/2008	Bachelor of Science Santa Maria Catholic University Major: Psychology (with Honors) Honors Thesis Title: <i>Psychosocial predictors of attitudes towards sexuality in undergraduate students</i>	Arequipa, Peru

CLINICAL TRAINING

07/2015 – 07/2016	Psychology Intern Rush University Medical Center	Chicago, IL
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APA-Accredited Pre-doctoral Internship: Clinical Psychology
Health Psychology Track
Rotations: Rehabilitation Psychology, Behavioral Sleep Medicine,
Psycho-oncology, Outpatient Psychotherapy

08/2013 – 07/2014 Practicum Student Miami, FL
Bruce W. Carter
Department of Veteran Affairs Medical Center
Rotations: Integrated Primary Care, Consultation Liaison

08/2012 – 07/2013 Practicum Student Miami, FL
Bruce W. Carter
Department of Veteran Affairs Medical Center
Rotation: Behavioral Sleep Medicine

HONORS AND AWARDS

International/National/Regional

2023 Early-Stage Investigator Award, Academy of Behavioral Medicine
Research
2019 Fellow, Annual Summer Institute on Randomized Behavioral Clinical
Trials, National Institutes of Health
2018 Young Investigator Research Forum Scholar, American Academy of
Sleep Medicine
2018 Young Investigator Colloquium Scholar, American Psychosomatic Society
2017 Minority Initiative Award, American Psychosomatic Society
2012 UMDNJ/NIMH Critical Research Issues in Latino Mental Health
Conference Travel Award
2012 Award for Meritorious Student Abstract, Society of Behavioral Medicine
2012 Award for Citation Abstract, Society of Behavioral Medicine

University

2017 Postdoctoral Professional Development Travel Award, Office of
Postdoctoral Affairs, Northwestern University Feinberg School of
Medicine
2010-2015 Kriloff Travel Award, University of Miami
2010-2015 Commendations for excellence in clinical work, research, teaching, and
academics, Psychology Department, University of Miami
2004-2008 Honor Diplomas for Outstanding Scholastic Achievement, Department of
Psychology, Santa Maria Catholic University

ACADEMIC SERVICE

Grant Reviewer

2023 Reviewer, Graduate Student Research Award, Society for Health
Psychology
2022 Ad-hoc Reviewer, Biobehavioral Mechanisms of Emotion, Stress and
Health Study Section (MESH), National Institutes of Health

2021 Reviewer, Center for Circadian and Sleep Medicine Mentorship Grant, Department of Neurology, Northwestern University Feinberg School of Medicine

Leadership in Professional Organizations

2022 – Present Co-Chair, Sleep Special Interest Group, Society of Behavioral Medicine
2022 – Present Member (Diversity Representative), Research Council, Division 38 (Health Psychology), American Psychological Association
2022 – Present Member (Diversity Representative), Awards Committee, Division 38 (Health Psychology), American Psychological Association
2018 – Present Member, Diversity Council, Division 38 (Health Psychology), American Psychological Association

Editorial Experience

2022 – Present Early Career Editorial Board Member, *Psychosomatic Medicine*
2023 – Present Consulting Editor, *Health Psychology*
2023 – Present Editorial Fellow, *Health Psychology*

Journal/Conference Reviewer

2022 – Present Sleep Topic Chair, Society of Behavioral Medicine Annual Meeting
2019 – Present Conference Abstract Reviewer, Society of Behavioral Medicine Annual Meeting
2019 – Present Conference Abstract Reviewer, American Psychosomatic Society Annual Meeting
2018 – Present Ad-hoc reviewer, *Health Psychology*, *Psychosomatic Medicine*, *Annals of Behavioral Medicine*, *Psychoneuroendocrinology*, *Journal of Psychosomatic Research*, *Journal of Sleep Medicine*, *American Journal of Epidemiology*, *Obesity*, *Circulation Heart Failure*, *American Journal of Preventive Medicine*
2015 – Present Ad-hoc Reviewer, *International Journal of Behavioral Medicine*, *Journal of the American Heart Association*, *Plos One*, *Peruvian Journal of Experimental Medicine and Public Health*, *Diabetes Care*, *Psychology and Health*, *Psychiatry Research*

University Service

2021 – Present Chair of the Training and Education Sub-committee, Diversity, Equity and Inclusion Committee, Department of Preventive Medicine, Northwestern University Feinberg School of Medicine
2021 – Present Member, Admissions Committee, Masters in Public Health, Department of Preventive Medicine, Northwestern University Feinberg School of Medicine

GRANT AWARDS AND CLINICAL TRIALS

Current

NIH/NHLBI (1K01HL149987-01A1) Chirinos (PI) 9/1/2020 – 8/31/2025
Mentored Career Development Award to Promote Faculty Diversity in Biomedical Research
Project Title: *Developing a targeted intervention for sleep disturbance in spousal bereavement*
The overall goal of this career development award is to develop as an independent scientist whose program of research focuses on implementing interventions aimed at reducing cardiovascular risk in vulnerable populations. This study aims to develop a targeted behavioral intervention for sleep

disturbance among spousally bereaved adults and test it for feasibility, acceptability, and preliminary effects.

NIH/NHLBI (5R01HL149877-02) Beach (PI) 7/9/2020 – 6/30/2025

Role: Co-Investigator

Project Title: *Cardiovascular Health Associations with Minority stress: Biobehavioral Evaluations and self-Reported Sociopsychological outcomes by SOGI status (CHAMBERS)*

Sexual minority and gender minority (SGM) individuals are more likely to have poor physical health than their non-SGM peers. This study will test if SGM people are more likely to have higher levels of cardiovascular disease (CVD) risk factors than non-SGM people and determine if stigma against SGM people contributes to increased risk for poor CVD outcomes in these populations at the intersections of race/ethnicity, sex, and socioeconomic status

NIH/NIA (5R01AG059291-02) Carnethon/Knutson (PI) 7/15/2020 – 6/30/2024

Role: Co-Investigator

Project Title: *An epidemiologic study of disparities in sleep and cognition in older adults (DISCO)*

Goals: Sleep duration and quality are worse among racial/ethnic minority groups, particularly African Americans/blacks and Hispanic/Latinos. In addition, impaired sleep has been associated with impaired cognitive function and impaired cognitive function and Alzheimer's Disease are also more common in racial/ethnic minority groups. This study will examine sleep disparities among a cohort of older adults (≥ 65 years) from three racial/ethnic groups to understand sleep disparities and the role sleep plays in cognitive function and associated health disparities.

Pending

NIH/NHLBI (UG3/UH310724540) Kandula (PI) 7/1/2023 – 6/30/2030

Role: Co-Investigator

Project Title: *ACTION (AANH/PI Center to Investigate, Optimize, and INnovate) for Health*

Goals: The Chicago metropolitan area in Illinois is home to the 5th largest Asian American, Native Hawaiian, and Other Pacific Islanders (AsA-NHPI) population in the U.S. The absence of comprehensive and longitudinal data among AsA-NHPI subgroups severely limits recognition, prevention, and treatment of AsA-NHPI health risks and the ability to provide culturally responsive, equitable healthcare. The Chicago-metro AANH/PI Center to Investigate, Optimize, and INnovate for Health (Action for Health) Field Center will enable enrollment, initial examination, and follow-up of a cohort of 2000 participants of ancestral AsA-NHPI living in the Chicago-metro area; and contribute to and coordinate with enrollment of the first national cohort of AsA-NHPI adults focused on understanding mechanisms of health and disease with appropriate data disaggregation across AsA and NHPI subpopulations.

Past

NIH/NHLBI (HHSN2682018000031) Lloyd-Jones/Carnethon (PI) 3/15/2019 – 8/31/2020

Role: Investigator-level Research Supplement to Promote Diversity in Health-related Research

Project Title: *Depressive symptom presentation and course, cardiovascular events and mortality in the Coronary Artery Risk Development in Young Adults (CARDIA) Study*

Role: Investigator Developing Independent Research Career

Goals: The purpose of this research project is to provide a comprehensive characterization of the presentation and course of depressive symptoms over time in young to middle-aged adults, and determine which subpopulations are at the highest risk for CVD.

Rice University Chirinos (PI) 9/1/2015 – 8/30/2016

Provost Rice Academy Fellowship

Project Title: Psychological and Physiological Dysregulation among low SES individuals following a Stressful Life Event

Goals: The purpose of this research project was to examine the moderating effect of socioeconomic status in the association between depressive symptoms and inflammation among individuals who recently underwent the loss of a spouse.

University of Miami

Chirinos (PI)

8/1/2014 – 5/30/2015

Dean's Dissertation Fellowship

Project Title: Optimal Definitions for Abdominal Obesity in US Hispanic/Latinos: Results from the HCHS/SOL Study

Goals: This study took advantage of the largest epidemiological study of Hispanics/Latinos in the US to date, the Hispanic Community Health Study/Study of Latinos (HCHS/SOL), to establish optimal definitions for abdominal obesity among US Hispanic/Latinos.

PUBLICATIONS AND SCHOLARLY WORK

Peer-Reviewed Original Investigations

***indicates mentored trainee*

1. **Chirinos, D. A.**, Kershaw, K., Allen, N., Carrol, A., Lewis, T., Schreiner, P., Lewis, C., Kiefe, C., Mezuk, B. & Carnethon, M. (in press). Depressive symptom subgroups and their association with prevalent and incident cardiovascular risk factors in the Coronary Artery Risk Development in Young Adults (CARDIA) Study. *International Journal of Behavioral Medicine*.
2. **Chirinos, D. A.**, Vargas, E.**, Kamsickas, L.** & Carnethon, M. (2022). The role of behavioral science in addressing cardiovascular health disparities: a narrative review of efforts, challenges, and future directions. *Health Psychology, 41*(10), 740-754.
3. Aguayo, L.**, **Chirinos, D.A.**, Heard-Garris, N., Wong, M., Davis, M.M., Merkin, S.S., Seeman, T., Kershaw, K. (2022). The association of exposure to abuse, nurture and household organization in childhood with four major cardiovascular risk factors among participants in the Coronary Artery Risk Development Study of Young Adults (CARDIA) study. *JAMA, 1*(9):e023244.
4. Vargas, E.**, **Chirinos, D.A.**, Wong, M., Carnethon, M.R., Carroll, A.J., Kiefe, C.I., Carson, A.P. & Kershaw, K.N. (2022). Psychosocial profiles and longitudinal achievement of optimal cardiovascular risk levels: the Coronary Artery Risk Development in Young Adults (CARDIA) study. *Journal of Behavioral Medicine, 45*(2), 172-185.
5. Van Gennip, A., Sedaghat, S., Carnethon, M, Allen, N., Klein, B., Frances Cotch, M., **Chirinos, D.A.**, Stehouwer, C. & Van Sloten, T. (2022). Retinal microvascular calibers and incident depressive symptoms: The Multi-Ethnic Study of Atherosclerosis. *American Journal of Epidemiology, 191*(5), 843-855.
6. Wu, L., Brown, R. L., **Chirinos, D.A.**, Chen, M., Heijnen, C. & Fagundes, C. (2021). Socio-economic disparities in health: changes in sleep quality and inflammation during bereavement. *Comprehensive Psychoneuroendocrinology, 7*.
7. Vargas, E.**, Patel, B.R., Medina-Lezama, J. & **Chirinos, D.A.** (2021). Depressive symptoms are associated with cardiac function among Hispanics: Results from the PREVENCIÓN Study. *International Journal of Behavioral Medicine. 28* (5), 531-539.
8. Vargas, E.**, **Chirinos, D.A.**, Mahalingam, R., Marshall, R. A., Wong, M. & Kershaw, K. (2021). Discrimination, perceived control, and psychological health among African Americans with hypertension. *Journal of Health Psychology. 26* (14), 2841-2850.

9. **Chirinos, D. A.**, Llabre, M., Goldberg, R., Gellman, M., Mendez, A., Cai, J., Sotres-Alvarez, D., Daviglius, M., Gallo, L. & Schneiderman, N. (2020) Defining abdominal obesity as a risk factor for coronary heart disease in the US Hispanic Community Health Study/Study of Latinos (HCHS/SOL). *Diabetes Care*, 43 (8), 1774-1780.
10. Cohen, J., Schrauben, S., Zhao, L., Basso, M. D., Bhattacharya, P. T., **Chirinos, D. A.** & Chirinos, J. A. (2020) Biomarker, cardiac, vascular and prognostic profiles across clinical phenogroups in heart failure with preserved ejection fraction: insights from the TOPCAT trial. *JACC Heart Failure*. 8 (3), 172-184.
11. Perera, M., **Chirinos, D.A.**, Brintz, C.E., Schneiderman, N., Daviglius, M., Talavera, G.A., Perreira, K., Espinoza Giacinto, R.A., Qi, Q. & Llabre, M. (2020) Body Mass of US Hispanics/Latinos from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL): How Do Diet Quality and Sedentary Time Relate? *Hispanic Health Care International*, 18 (2), 55-63.
12. Chen, M., Lewis, M., **Chirinos, D. A.**, Murdock, K. W., Chen, M., & Fagundes, C. P. (2019). Differential psychological reactions to grief: The role of childhood adversity for depression symptoms among bereaved and non-bereaved adults. *Death Studies*, 44 (12), 778-786.
13. **Chirinos, D.A.**, Garcini, L. M., Seiler, A., Murdock, K. W., Peek, K., Stowe, R. P. & Fagundes, C. (2019). Biological and behavioral pathways linking neighborhood characteristics and obesity in an ethnically diverse sample. *Annals of Behavioral Medicine*, 53 (9), 827-838.
14. Garcini, L.M., Stowe, R. P., **Chirinos, D. A.**, Murdock, K. W., LeRoy, A. S., Chen, M., Zhang, J. & Fagundes, C. (2019). Church attendance and cellular immune function among bereaved and non-bereaved adults. *Psychology of Religion and Spirituality*, 11 (3), 319-325.
15. **Chirinos, D.A.**, Ong, J., Garcini, L. M., Alvarado, D. & Fagundes, C. (2019). Bereavement exacerbates the impact of sleep on inflammation: Results from Project HEART. *Psychosomatic Medicine*, 81(1), 67-73.
16. Medina-Lezama, J., Narvaez-Guerra, P., Herrera-Enriquez, K., Morey-Vargas, O. L., Bolanos-Salazar, J. F., Abugattas, J. P., Chirinos, J., Fernandez, J., Delgado, V., **Chirinos, D. A.**, Townsend, R. R. & Chirinos, J. A. (2018). Hemodynamic patterns identified by impedance cardiography predict mortality in the general population: the PREVENCIÓN study. *Journal of the American Heart Association*, 7(18).
17. Reid, K., Weng, J., Ramos, A., Zee, P., Daviglius, M., Mossavar-Rahmani, Y., Sotres-Alvarez, D., Gallo, L. C., **Chirinos, D. A.**, Patel, S. R. (2018). Impact of shift work schedules on actigraphy-based measures of sleep in Hispanic workers: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL) ancillary Sueño study. *Sleep*, 41(10).
18. Garcini, L. M. **Chirinos, D. A.**, Murdock, K. W., Seiler, A., LeRoy, A., Peek, K., Cutchin, M. & Fagundes, C. (2018). Pathways Linking Racial/Ethnic Discrimination and Sleep among U.S.-Born and Foreign-Born Latinx. *Journal of Behavioral Medicine*. 41(3), 364-373.
19. Kocarnik, J. M., Richard, M., Graff, M., Haessler, J., Carlson, C., Carty, C. L., Reiner, A. P., Avery, C. L., LaCroix, A. Z., Assimes, T. L., Barbalic, M., Pankratz, N., Tang, W., Tao, R., Chen, D., Talavera, G., Daviglius, M., **Chirinos, D. A.**, Pereira, R., Bien, S., Nishimura, K., Buzcova, P., Best, L. G., Ambite, J. L., Cheng, I., Crawford, D. C., Hindorf, L. A., Fornage, M., Heiss, G., North, K., Haiman, C. A., Peters, U., Marchand, L. L. & Kooperberg, C. (2018). Discovery, fine-mapping, and conditional analyses of genetic variants associated with C-reactive protein in multiethnic populations using the MetaboChip in the Population Architecture using Genomics and Epidemiology (PAGE) study. *Human Molecular Genetics*, 27(16), 2940-2953.

20. Murdock, K. W., Seiler, A., **Chirinos, D.A.**, Garcini, L. M., Acebedo, S. L., Cohen, S. & Fagundes, C. (2018). Low early-life SES and poor adult health: the role of attachment orientations. *Developmental Psychobiology*, 60(3), 340-346.
21. **Chirinos, D. A.**, Gurubhagavatula, I., Broderick, P., Chirinos, J. A., Teff, K., Wadden, T., Maislin, G., Saif, H., Chittams, J., Hanlon, A. & Pack, A. (2017). Depressive symptoms in patients with obstructive sleep apnea: biological mechanistic pathways. *Journal of Behavioral Medicine*, 40 (6), 955-963.
22. **Chirinos, D. A.**, Murdock, K. W., LeRoy, A. S. & Fagundes, C. (2017). Depressive symptom profiles, cardio-metabolic risk and inflammation: Results from the MIDUS study. *Psychoneuroendocrinology*, 82, 17-25.
23. Fagundes, C., Murdock, K. W., **Chirinos, D. A.** & McDonald, P.G. (2017). Biobehavioral pathways to cancer incidence, progression, and quality of life. *Current Directions in Psychological Science*, 26 (6), 548-553.
24. Seiler, A. J., Murdock, K. W., Garcini, L., **Chirinos, D. A.**, Ramirez, J., Jackson, B. & Fagundes, C. (2017). Racial disparities in breast cancer incidence, risk factors, healthcare utilization, and outcomes in the United States. *Current Breast Cancer Reports*, 9 (2), 91-99.
25. McCurley, J. L., Roesch, S., Carnethon, M., Isasi, C., Penedo, F. J., Llabre, M. M., Matthews, K., Gonzalez, P., **Chirinos, D. A.**, Sotres-Alvarez, D., Teng, Y., Camacho, A., Schneiderman, N. & Gallo, L. (2017). Socioeconomic status, psychosocial factors, and cardiometabolic risk in the HCHS/SOL Sociocultural Ancillary Study. *Annals of Behavioral Medicine*, 51 (4), 447-488.
26. Qureshi W., Kaplan R.C., Swett K., Burke G., Daviglius M., Jung M., Talavera G.A., **Chirinos D.A.**, Reina S.A., Davis S., Rodriguez C.J. (2017). ACC/AHA Class I Guidelines for the Treatment of Cholesterol to Reduce Atherosclerotic Cardiovascular Risk: Implications for US Hispanics/Latinos based on findings from the HCHS-SOL. *Journal of American Heart Association*, 6 (5).
27. Crawford, M. R., **Chirinos, D. A.**, Iurcotta, T., Edinger, J., Wyatt, J. K., Manber, R. & Ong, J. (2017). Characterization of patients who present with insomnia: is there room for a symptom cluster-based approach. *Journal of Clinical Sleep Medicine*, 13 (7), 911-921.
28. López-Cevallos, D.F., Gonzalez, P., Bethel, J.W., Castañeda, S.F., Isasi, C.R., Penedo, F.J., Ojeda, L., Davis, S. M., **Chirinos, D.A.**, Molina, K.M., Teng, Y., Bekteshi, V. & Gallo LC. (2017). Is there a link between wealth and cardiovascular disease risk factors among Hispanic/Latinos? Results from the HCHS/SOL sociocultural ancillary study. *Ethnicity and Health*, 6, 1-12.
29. Dudley, K. A., Weng, J., Sortres-Alvarez, D. S., Ramos, A. R., Loredo, J., Reid, K., Mossavar-Rahmani, Y., Zee, P. C., **Chirinos, D. A.**, Gallo, L., Wang, R. & Patel, S. R. (2017). Actigraphic sleep patterns of U.S. Hispanics: Results from the Hispanic Community Health Study/Study of Latinos ancillary Sueño study. *Sleep*, 40 (2).
30. Hood, M., Corsica, J., Bradley, L., Wilson, R., **Chirinos, D. A.** & Vivo, A. (2016). Managing severe obesity: Understanding and improving treatment adherence following bariatric surgery. *Journal of Behavioral Medicine*, 39(6), 1092-1103.
31. Hood, M., Wilson, R., Corsica, J., Bradley, L., **Chirinos, D. A.** & Vivo, A. (2016). What do we know about mobile applications for diabetes self-management? A review of reviews. *Journal of Behavioral Medicine*, 39(6), 981-994.
32. **Chirinos, D.A.**, Goldberg, R., Llabre, M. M., Gellman, M., Gutt, M., McCalla, J., Mendez, A. & Schneiderman, N. (2016). Lifestyle modification and weight reduction among low-income patients with the metabolic syndrome: the CHARMS randomized controlled trial. *Journal of Behavioral Medicine*, 39 (3), 483-92.

33. Faurot, K., Siega-Riz, A. M., Gardiner, P., Rivera, J., Young, L., Poole, C., Whitsel, E., Gonzalez, H. M., **Chirinos, D. A.**, Talavera, G. A., Castaneda, S. F., Daviglius, M. L., Bernhart, J., Giacinto, R. E. & Van Horn, L. (2016). Comparison of a medication inventory and a dietary supplement interview in assessing dietary supplement use in the Hispanic Community Health Study/Study of Latinos. *Integrative Medicine Insight*, 11, 1-10.
34. Llabre, M. M., Arguelles, W., Schneiderman, N., Gallo, L.C., Daviglius, M., Chambers, E. C., Sortres-Alvarez, D., **Chirinos, D. A.**, Talavera, G. A., Castaneda, S., Roesch, S. C. & Heiss, G. (2015). Do all components of metabolic syndrome cluster together in US Hispanics/Latinos? A latent variable model based on data from HCHS/SOL. *Annals of Epidemiology*, 25 (7), 480-485.
35. Wohlgemuth, W. K., **Chirinos, D. A.**, Domingo, S. & Wallace, D. M. (2015). Attempters, adherers, and non-adherers: Latent profile analysis of CPAP use with correlates. *Sleep Medicine*, 16 (3), 226-42.
36. **Chirinos, D. A.**, Medina-Lezama, J., Salinas-Najarro, B., Arguelles, W., Llabre, M.M., Schneiderman, N., Paz-Manrique, R., Khan, Z. & Chirinos, J. A. (2015). Depressive symptoms and subclinical atherosclerosis in Andean Hispanics: the PREVENCIÓN study. *Journal of Behavioral Medicine*, 38 (2), 284-93.
37. Shiva-Kumar, P., Medina-Lezama, J., Morey-Vargas, O., Bolanos, J. F., **Chirinos, D. A.**, Haines, P., Kahn, Z., Coacalla-Guerra, J., Davalos-Robles, M., Llerena-Donga, G., Quequezana, L. & Chirinos, J. A. (2015). Prospective risk factors for increased central augmentation index in men and women. *American Journal of Hypertension*, 28 (1), 121-6.
38. **Chirinos, D. A.**, Medina-Lezama, J., Arguelles, W., Goldberg, R., Schneiderman, N., Khan, Z., Morey, O., Raja, W., Paz, R., Chirinos, J. A., & Llabre, M. (2014). Metabolic syndrome as an underlying disease entity and its relationship to subclinical atherosclerosis in Andean Hispanics. *Metabolic Syndrome and Related Disorders*, 12 (1), 49-55.
39. Schneiderman, N., **Chirinos, D. A.**, Aviles-Santa, M. L. & Heiss, G. (2014). Challenges in preventing heart disease in Hispanics: early lessons learned from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). *Progress in Cardiovascular Disease*, 57 (3), 253-61.
40. **Chirinos, D. A.**, Morey-Vargas, O., Goldberg, R., Chirinos, J. A., & Medina-Lezama, J. (2013). Metabolic Syndrome in Andean Populations. *Global Heart*, 8 (4), 349-354.
41. **Chirinos, D. A.**, Goldberg, R., Gellman, M., Mendez, A. J., Gutt, M., McCalla, J.R., Llabre, M. & Schneiderman, N. (2013). Leptin and its association with somatic depressive symptoms in patients with the metabolic syndrome. *Annals of Behavioral Medicine*, 46(1), 31-39.
42. **Chirinos, D. A.**, Salinas-Najarro, B., Paz-Manrique, R., Khan, Z., Raja, W., Ibanez, F., Corrales-Medina, F., Zea-Diaz, H., Chirinos, J. A. & Medina-Lezama, J. (2013). Gender as a moderator in the relationship between anxiety and carotid intima-media thickness: the PREVENCIÓN study. *Artery Research*. 7 (1), 60-67.
43. **Chirinos, D.A.**, Zea-Diaz, H., Salinas-Najarro, B., Cazo-Callirgos, V., Sotomayor, F., Alvarez-Nunez, D., Chirinos-Medina, J. & Medina-Lezama, J. (2012). Longitudinal follow-up of a representative sample in Arequipa: Protocol and design of the second phase of the PREVENCIÓN study. *Peruvian Journal of Cardiology*. 38 (3), 123-127.
44. Medina-Lezama, J., Pastorius, C. A., Zea-Diaz, H., Bernabe-Ortiz, A., Corrales-Medina, F., Morey-Vargas, O. L., **Chirinos, D.A.**, Muñoz-Atahualpa, H., Chirinos-Pacheco, J., Chirinos, J.A. (2010). Optimal definitions for abdominal obesity and the metabolic syndrome in Andean Hispanics: the PREVENCIÓN study. *Diabetes Care*, 33(6), 1385-1388.
45. Pastorius, C. A., Medina-Lezama, J., Corrales-Medina, F., Bernabe-Ortiz, A., Paz-Manrique, R., Salinas-Najarro, B., Khan, Z., Takahashi, J., Toshima, G., Zea-Diaz, H., Postigo-Macdonald, M., Chirinos-Pacheco, J., Ibañez, F., **Chirinos, D.A.**, Saif, H., Chirinos, J. A. (2010). Normative values

and correlates of carotid artery intima-media thickness and carotid atherosclerosis in Andean-Hispanics: The PREVENCIÓN Study. *Atherosclerosis*, 211(2), 499-505.

46. Medina-Lezama, J., Morey-Vargas, O. L., Zea-Diaz, H., Bolanos-Salazar, J. F., Corrales-Medina, F., Cuba-Bustinza, C., **Chirinos, D.A.** & Chirinos, J. A. (2008). Prevalence of lifestyle-related cardiovascular risk factors in Peru: the PREVENCIÓN study. *Panamerican Journal of Public Health*, 24(3), 169-179.

Manuscripts under Review

47. **Chirinos, D. A.**, Vargas, E.** , Aguayo, L., Carnethon, M., Starikovskiy, J.** , DeCordova, R. & Medina Lezama, J. Impact of depressive and anxiety symptoms on all-cause mortality among Hispanics: Results from the PREVENCIÓN Study. *Journal of Behavioral Medicine*.
48. **Chirinos, D. A.**, Vargas, E.** , Kershaw, K., Wong, M. & Everson Rose, S. Psychosocial profiles and blood pressure control: Results from the Multi-ethnic Study of Atherosclerosis (MESA). *Annals of Behavioral Medicine*.
49. Marzieh, M., Chen, M. A., **Chirinos, D. A.**, Storch, E. A., Brown, R. L., LeRoy, A. S., Murdock, K. W., Wu, E. L. & Fagundes, C. Trajectories of depressive symptoms in the course of bereavement: patterns and risk of prolonged grief. *Journal of Psychopathology and Clinical Science*.

Invited Reviews and Commentaries

50. **Chirinos, D. A.** (2011). Invited Commentary: Implementation of psychological intervention in the integrated medical care of the oncology patient. *Confianza (Peruvian Journal of the League against Cancer- Arequipa)*. 39 (10), 29.

Books and Book Chapters

51. **Chirinos, D.A.**, & Schneiderman, N. (2015). Depression and cardiovascular disease in women: behavioral and biological mechanisms involved in this association. In K. Orth-Gomér, N. Schneiderman, V. Vaccarino & H.C. Deter (Eds.), *Psychosocial Stress and Cardiovascular Disease in Women – Concepts, Findings and Future Perspectives*
52. Chirinos, D.A., Starkovskiy, J., West, M. (under review). Biopsychosocial perspectives on sleep. In C. Fagundes & G. Merlo (Eds.). *Mental Health in Lifestyle Medicine*.

Peer-Reviewed Educational Materials

53. Ong, J., **Chirinos, D.A.** & Yap, B. (2018). The relationship between sleep health and your weight. *Your Weight Matters*.
54. Allison, K., Horsey, S., **Chirinos, D. A.** (2010). Night Eating Syndrome: Overview and Treatment. *Scan's Pulse*. 29(2), 8-11.

Abstracts

*indicates presenting author; **indicates mentored trainee

Oral Presentations

1. Hammond, M.** , Patel, R., Wong, M., Carnethon, M., Khan, S. & **Chirinos, D.A.** (2023, April). *Depressive symptoms and cardiac structure and function in the Coronary Artery Risk Development in Young Adults Study*. To be presented at the Society of Behavioral Medicine Annual Meeting, Phoenix, AZ.
2. **Chirinos, D.A.***, Starikovskiy, J.** (2022, August). *Sociodemographic predictors of anxiety and depressive symptoms classes and their association with cardiovascular risk factors: lessons from*

the PREVENCIÓN Study. Presented at the American Psychological Association Annual Meeting, Minneapolis, MN.

3. Moreno, P. I**, Tan, M. M.**, **Chirinos, D.A.***, Garcini, L. (2019, March). *Minority women in health sciences: A conversation between APS members and the APA division 38 Society for Health Psychology diversity council*. Presented at the American Psychosomatic Society Annual Meeting, Vancouver, Canada.
4. **Chirinos, D.A.***, Ong, J., Garcini, L. M., Alvarado, D. & Fagundes, C. (2018, March). *Bereavement exacerbates the impact of sleep on inflammation: Results from Project HEART*. Presented at the American Psychosomatic Society Annual Meeting, Louisville, KY.
5. Garcini, L.M.* , Stowe, R. P., **Chirinos, D. A.**, Murdock, K. W., LeRoy, A. S., Chen, M., Zhang, J. & Fagundes, C. (2018, March). Church attendance and cellular immune function among bereaved and non-bereaved adults. Presented at the American Psychosomatic Society Annual Meeting, Louisville, KY.
6. **Chirinos, D.A.***, Garcini, L., Fagundes, C., Chirinos, J. A. & Medina-Lezama, J. (2017, March). *Anxiety and depressive symptom profiles associated with subclinical atherosclerosis among Hispanics: Results from the PREVENCIÓN study*. Presented at the American Psychosomatic Society Annual Meeting, Seville, Spain.
7. **Chirinos, D.A.***, Murdock, K., LeRoy, A., Brown, R. & Fagundes, C. (2017, March). *Depressive symptom profiles, cardiometabolic risk and inflammation: Results from the MIDUS study*. Presented at the Annual Meeting of the Society of Behavioral Medicine, San Diego, CA.
8. **Chirinos, D.A.***, Llabre, M., Salinas, B., Zea-Diaz, H., Chirinos, J.A. & Medina, J. (2014, August). *Depression and its association with blood pressure dipping in South-American Hispanics*. Presented at the International Congress of Behavioral Medicine, Groningen, Netherlands.
9. **Chirinos, D.A.***, Moncrieft, A., Llabre, M., Goldberg, R., Gellman, M., McCalla, J. & Schneiderman, N. (2013, November). *Treatment of depression in behavioral management of type 2 diabetes mellitus*. Presented at the International Conference in Health Psychology of the Chilean Society of Behavioral Medicine and Health Psychology, Santiago, Chile.
10. **Chirinos, D. A.***, Llabre, M., Hurwitz, B., Goldberg, R., Gellman, M. & Schneiderman, N. (2013, March). *Depressive symptoms, inflammation and subclinical atherosclerosis in metabolic syndrome patients*. Presented at the Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA.
11. **Chirinos, D. A.***, Salinas-Najarro, B., Paz-Manrique, R., Corrales-Medina, F., Ibanez, F., Zea-Diaz, H., Khan, Z., Siddiqui, K., Chirinos, J. A. & Medina-Lezama, J. (2012, August). *Depressive symptoms and subclinical atherosclerosis in Andean Hispanics: the PREVENCIÓN study*. Presented at the International Congress of Behavioral Medicine, Budapest. Hungary.
12. Gellman, M., **Chirinos, D. A.***, Gutt, M., Goldberg, R. & Schneiderman, N. (2012, August). *Cardiovascular disease risk: putative relations among type 2 diabetes, metabolic syndrome, depressive symptoms and inflammatory biomarkers*. Presented at the International Congress of Behavioral Medicine, Emotional and self-reported issues in relation to cardiovascular regulation Symposium, Budapest, Hungary.
13. **Chirinos, D. A.***, Goldberg, R., Querales-Mago, E., Gutt, M., McCalla, J. R., Gellman, M. & Schneiderman, N. (2012, April). *Leptin as a novel predictor of depression in patients with the metabolic syndrome*. Presented at the Annual Meeting of the Society of Behavioral Medicine, New Orleans, LA.

Poster Presentations

14. West, M.**, Starikovskiy, J.**, Bonzel, C.A.**, Thomas, J.L., Carnethon, M. & **Chirinos, D.A.** (2023, March). To be presented at the Society of Behavioral Medicine Annual Meeting, Phoenix, AZ.
15. West, M.**, Bonzel, C.A.**, Starikovskiy, J.**, Thomas, J.L., Carnethon, M., Fagundes, C., Ong, J. & **Chirinos, D.A.** (2023, March). Presented at the American Psychosomatic Society Annual Meeting, San Juan, Puerto Rico.
16. **Chirinos, D.A.***, Starikovskiy, J.**, Ghafoor, M., Carnethon, M., Miller, G. & Fagundes, C. (2022, April). *Sleep disturbance trajectories and their association with biological and psychological outcomes in spousal bereavement*. Presented at the Society of Behavioral Medicine Annual Meeting, Baltimore, MD.
17. Starikovskiy, J.**, Thomas, J., Ong, J., Fagundes, C., Carnethon, M. & **Chirinos, D.A.** (2022, March). *Sleep disturbances in spousal bereavement: developing a targeted intervention*. Presented at the American Psychosomatic Society Annual Meeting, Long Beach, CA.
18. **Chirinos, D.A.***, Kershaw, K. N., Allen, N. A., Carroll, A. J., Lewis, T. T., Schreiner, P. J., Lewis, C. E., Kiefe, C. & Carnethon, M. (2019, November). *Depressive symptom subgroups and their association with incident cardiovascular risk factors in the coronary artery risk development in young adults (CARDIA) study*. To be presented at the American Heart Association Scientific Sessions, Philadelphia, PA.
19. **Chirinos, D.A.***, Obeid, M. J., Kumar, A., Lee, J., Zamani, P., Prenner, S. & Chirinos, J. (2019, November). *Impact of depression in heart failure with preserved ejection fraction*. Presented at the American Heart Association Scientific Sessions, Philadelphia, PA.
20. **Chirinos, D.A.***, Garcini, L., Seiler, A., Murdock, K. W., Peek, K., Stowe, R. P. & Fagundes, C. (2017, March). *Associations among neighborhood factors, psychosocial distress, and obesity in an ethnically diverse sample*. Presented at the American Psychosomatic Society Annual Meeting, Seville, Spain.
21. Schneiderman, N.*, Llabre, M. **Chirinos, D.A.**, Teng, J., Cai, J., Cowie, C.C., Daviglius, M., Kaplan, R., Talavera, G., Gallo, L.C., Giachello, R. A., Espinoza G., Cespedes, E.M. & Aviles-Santa, L. (2017, March). *Diversity in diabetes status and cardiovascular disease in the longitudinal Hispanic Community Health Study/Study of Latinos (HCHS/SOL)*. Presented at the Epidemiology and Prevention/Lifestyle and Cardiometabolic Health Scientific Sessions, Portland, OR.
22. **Chirinos, D.A.***, Crawford, M.R., Edinger, J. D., Wyatt, J. K., Manber, R. & Ong, J. C. (2016, June). *Dimensional characterization of insomnia profiles among patients with and without obstructive sleep apnea: moving beyond diagnostic boundaries*. Presented at the annual meeting of the Associated Professional Sleep Societies, Denver, CO.
23. **Chirinos, D. A.***, Wallace, D. M., Wohlgemuth, W. (2016, June). *Prospective predictors of PAP user profiles among veterans with obstructive sleep apnea*. Presented at the annual meeting of the Associated Professional Sleep Societies, Denver, CO.
24. Turner, A. D.* , Smith C. E., **Chirinos, D. A.**, Wyatt, J., Manber, R. & Ong, J. C. (2016, June). *The contribution of stress, anxiety, and beliefs about sleep to mindfulness-based insomnia treatment response*. Presented at the annual meeting of the Associated Professional Sleep Societies, Denver, CO.
25. McCurley, J. L.* , Roesch, S., Carnethon, M., Isasi, C., Penedo, F. J., Llabre, M. M., Matthews, K., Gonzalez, P., **Chirinos, D. A.**, Sotres-Alvarez, D., Teng, Y., Camacho, A., Schneiderman, N. & Gallo, L. (2015, November). *Socioeconomic status, psychosocial factors, and cardiometabolic risk in the HCHS/SOL Sociocultural Ancillary Study*. Presented at the annual meeting of the American Public Health Association, Chicago, IL.

26. Alert, M.*, Wohlgemuth, W., **Chirinos, D. A.**, Lopez, A., McNutt, M., Sierra, L. & Wallace, D. (2015, June). *Experience of daytime symptoms from sleep apnea and insomnia is similar between Blacks and Whites*. Presented at the annual meeting of the Associated Professional Sleep Societies, Seattle, WA.
27. Wallace, D. M.*, Sierra, L., Lopez, A., Alert, M., McNutt, M., **Chirinos, D. A.** & Wohlgemuth, W. (2015, June). *The influence of race on the trajectory of CPAP use during the first 12 weeks of treatment: standardizing by sleep duration*. Presented at the annual meeting of the Associated Professional Sleep Societies, Seattle, WA.
28. McNutt, M.* , Alert, M., **Chirinos, D. A.**, Lopez, A., Sierra, L., Wallace, D. & Wohlgemuth, W. (2015, June). *Race differences in predictors of CPAP user profiles among veterans*. Presented at the annual meeting of the Associated Professional Sleep Societies, Seattle, WA.
29. Dudley, K. A.*, Weng, J., Sotres-Alvarez, D., Ramos, A. R., Loreda, J. S., Mossavar-Rahmani, Y., Reid, K. J., Zee, P. C., **Chirinos, D. A.**, Gallo, L., Wang, R & Patel, S. R. (2015, June). *Differences in sleep duration and quality from actigraphy among Hispanic/Latino groups: the Hispanic Community Health Study/Study of Latinos (HCHS/SOL) Sueño ancillary study*. Presented at the annual meeting of the Associated Professional Sleep Societies, Seattle, WA.
30. **Chirinos, D.A.***, Llabre, M., Goldberg, R., Gellman, M., McCalla, J. & Schneiderman, N. (2014, April). *Lifestyle modification and weight reduction among low-income patients with the metabolic syndrome*. Presented at the Annual Meeting of the Society of Behavioral Medicine, Philadelphia, PA.
31. Garcia, K.* , **Chirinos, D.A.**, Llabre, M., Goldberg, R., Gellman, M. & Schneiderman, N. (2014, April). *Effects of a lifestyle modification intervention on stress, weight and HbA1c in type 2 diabetes*. Presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA.
32. López-Cevallos, D.F.* , Gonzalez, P., Bethel, J.W., Castañeda, S.F., Isasi, C.R., Penedo, F.J., Ojeda, L., Davis, S. M., **Chirinos, D.A.**, Molina, K.M., Teng, Y., Bekteshi, V. & Gallo LC (2014, March). *Relationship between wealth factors and health status among Hispanic/Latinos: preliminary findings from the HCHS/SOL sociocultural ancillary study*. Presented at the Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism Scientific Sessions, San Francisco, CA.
33. **Chirinos, D. A.***, Domingo, S., Wallace, D. M. & Wohlgemuth, W. K. (2013, June). *Adherence profiles of continuous positive airway pressure users and their determinants in sleep apnea patients*. Presented at the annual meeting of the Associated Professional Sleep Societies, Baltimore, MD.
34. Garcia, K.* , **Chirinos, D. A.**, Gellman, M., Llabre, M., Goldberg, R. & Schneiderman, N. (2013, March). *Perceived stress and diet in type 2 diabetes patients*. Presented at the annual meeting of the Society of Behavioral Medicine, San Francisco, CA.
35. **Chirinos, D. A.***, Llabre, M., Goldberg, R., Gellman, M. & Schneiderman, N. (2013, March). *Leptin and its association with health-related quality of life in patients with the metabolic syndrome*. Presented at the annual meeting of the American Psychosomatic Society, Miami, FL.
36. **Chirinos, D.A.***, Llabre, M. M., Goldberg, R., Gellman, M., McCalla, J. & Schneiderman, N. *Effects of a lifestyle modification intervention on weight among low-income metabolic syndrome patients: preliminary results from the CHARMS study*. Presented at the University of Miami CTSI Cane Search Science of Obesity session, Miami, FL.
37. Shiva-Kumar P.* , Medina-Lezama, M., Morey-Vargas, O., Bolanos-Salazar, J., Zea-Diaz, H., **Chirinos, D.A.** & Chirinos, J. A. *Determinants of change in aortic late systolic pressure augmentation over time*. Presented at the American College of Cardiology Annual Meeting, San Francisco, CA.

38. **Chirinos, D. A.***, Medina-Lezama, J., Paz-Manrique, R. & Chirinos, J. A. (2012, September). *Cardiovascular risk factors and their association with depressive and anxiety symptoms in Andean Hispanics*. Presented at the Robert Wood Johnson Medical School/NIMH: Critical Research Issues in Latino Mental Health Conference, Los Angeles, CA.
39. **Chirinos, D. A.***, Medina-Lezama, J., Arguelles, W., Goldberg, R., Schneiderman, N., Khan, Z., Morey, O., Raja, W., Paz, R., Chirinos, J. A. & Llabre, M. (2012, June). *Latent model of the metabolic syndrome in Andean Hispanics and its relationship to subclinical atherosclerosis: the PREVENCIÓN study*. Abstract accepted for publication only at the annual meeting of the American Diabetes Association, Philadelphia, PA.
40. **Chirinos, D. A.***, Medina-Lezama, J., Arguelles, W., Goldberg, R., Schneiderman, N., Khan, Z., Morey, O., Raja, W., Paz, R., Chirinos, J. A. & Llabre, M. (2012, June). *Relationship between metabolic syndrome as a latent factor and subclinical atherosclerosis*. Presented at the annual meeting of the American Diabetes Association, Philadelphia, PA.
41. Khan, A.*, **Chirinos, D. A.**, Gillebert, T., De Buyzere, M. L., Chirinos, J. A., Rietzchel, E. R. (2012, March). *Independent impact of the metabolic syndrome and obesity on diastolic function in middle-age: insights from structural equation modeling*. Presented at the annual meeting of the American Society of Echocardiography, National Harbor, MD.
42. **Chirinos, D. A.***, Goldberg, R., Pico, J., Gutt, M., McCalla, J. R., Llabre, M., Gellman, M. & Schneiderman, N. (2011, April). *Depressive symptoms and inflammation among Hispanics with the metabolic syndrome*. Presented at the annual meeting of the Society of Behavioral Medicine, Washington, D.C.
43. **Chirinos, D.A.***, Salinas-Najarro, B., Paz-Manrique, R., Corrales-Medina, F., Ibañez, F., Zea-Diaz, H., Khan, Z., Siddiqui, K., Chirinos, J. A. & Medina-Lezama, J. (November, 2010). *Relationship between anxiety and subclinical atherosclerosis: the PREVENCIÓN study*. Presented at the annual meeting of the American Heart Association, Chicago, IL.

TEACHING

Instructor

Department of Psychology, University of Miami

Course: Abnormal Psychology

Supervisor: Frank Foote, Ph.D.

Responsible for all aspects of the undergraduate course instruction, including course and lesson planning, lecturing, exam writing, testing, and grading.

Teaching Assistant

Department of Psychology, University of Miami

Courses: Introduction to Psychology, Introduction to Psychobiology, Introduction to Personality, Abnormal Psychology, Drugs and Behavior, Psychology of Cognitive Development, Advanced Biobehavioral Statistics, Psychological Statistics, Research Methods and Design (Graduate), Multiple Regression and Multivariate Statistics (Graduate), Structural Equation Modeling (Graduate)

Responsible for student support, exam writing, testing, and grading.