

Curriculum Vitae
The Johns Hopkins University School of Medicine

RITA R. KALYANI, M.D., M.H.S

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

University

- 2011-present Editor-in-Chief, Johns Hopkins Diabetes Point-of-Care Information Technology Guide
- 2011-present Director, Diabetes Management Service, Johns Hopkins Total Pancreatectomy Islet Auto Transplant Program
- 2012-present Core Faculty, Johns Hopkins Center on Aging and Health
- 2013-present Associate Faculty, Welch Center for Prevention, Epidemiology, and Clinical Research
- 2015-present Director of the Metabolic Studies Unit, The GeneSTAR Research Center
- 2016-present Editor-in-Chief, Johns Hopkins Patient Guide to Diabetes Website
- 2016-present Associate Professor, Department of Medicine, Division of Endocrinology, Diabetes, & Metabolism, Johns Hopkins University School of Medicine, Baltimore, MD

Hospital

- 2010-present Attending Physician, Johns Hopkins Hospital

Personal Data

Business Address

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Education and Training (in chronological order)

Undergraduate

- 1999 B.A., Neurobiology, Harvard College, Cambridge, MA
Magna cum laude with highest honors

Doctoral/Graduate

- 2003 M.D., Johns Hopkins University, Baltimore, MD
- 2009 M.H.S., Clinical Investigation, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

Postdoctoral

- 2003-2004 Intern, Internal Medicine, Johns Hopkins Hospital, Baltimore, MD
- 2004-2006 Resident, Internal Medicine, Johns Hopkins Hospital, Baltimore, MD
- 2006-2010 Fellow, Endocrinology, Diabetes, & Metabolism, Johns Hopkins Hospital, Baltimore, MD

Professional Experience

- Summer 2000 Health Policy Fellow, Office of Senator Bill Frist, M.D. and the Subcommittee for Public Health, Capitol Hill, Washington DC
- 2010-2016 Assistant Professor, Department of Medicine, Division of Endocrinology, Diabetes, & Metabolism, Johns Hopkins University School of Medicine, Baltimore, MD
- 2012-Present Core Faculty, Center on Aging and Health, Johns Hopkins Medical Institutions, Baltimore, MD

- 2013-Present Associate Faculty, Welch Center for Prevention, Epidemiology and Clinical Research, Johns Hopkins University School of Medicine, Baltimore, MD
- 2016-present Associate Professor, Department of Medicine, Division of Endocrinology, Diabetes, & Metabolism, Johns Hopkins University School of Medicine, Baltimore, MD

PUBLICATIONS (Author of >100 peer-reviewed manuscripts)

Original Research

1. **Kalyani R.***, Gebo K. *, Moore R., Polydefkis M. The Incidence of, Risk Factors for, and Sequelae of Herpes Zoster among HIV Patients in the Highly Active Antiretroviral Therapy Era. *Journal of Acquired Immune Deficiency Syndrome*. 2005; 40:169-74. *Joint first authorship
2. Saudek C., Derr R., **Kalyani R.R.** Assessing glycemia in diabetes using self-monitoring blood glucose and hemoglobin A1c. *Journal of the American Medical Association*. 2006; 295:1688-97.
3. **Kalyani R.R.**, Franco M., Dobs A., Ouyang P., Vaidya D., Bertoni A., Gapstur S., Golden S. The Association of Endogenous Sex Hormones, Adiposity, and Insulin Resistance with Incident Diabetes in Postmenopausal Women. *Journal of Clinical Endocrinology and Metabolism*. 2009; 94: 4127-4135.
4. **Kalyani R.R.**, Saudek C., Brancati F., Selvin E. Association of Diabetes, Comorbidities, and Hemoglobin A1c with Functional Disability in Older Adults: Results from the National Health and Nutrition Examination Surveys 1999-2006. *Diabetes Care*. 2010; 33:1055-60
5. **Kalyani R.R.**, Stein B., Valiyil R., Manno R., Maynard J., Crews D. Vitamin D Treatment for the Prevention of Falls in Older Adults: Systematic Review and Meta-Analysis. *J Am Geriatr Soc*. 2010; 58: 1299-1310.
6. **Kalyani R.R.**, Metter E., Ramachandran R., Chia C., Saudek C., Ferrucci L. Glucose and insulin measurements from the oral glucose tolerance test and relationship to muscle mass. *J Gerontol A BiolSci Med Sci*. 2012; 67: 74-81.
7. **Kalyani R.R.**, Varadhan R., Weiss C., Fried L., Cappola A. Frailty Status and Altered Glucose-Insulin Dynamics. *J Gerontol A BiolSci Med Sci*. 2012; 67: 1300-6. **Accompanying Editorial: Halter JB. Diabetes Mellitus in an Aging Population: The Challenge Ahead. *J Gerontol A BiolSci Med Sci*. 2012; 67: 1297-9.
8. **Kalyani R.R.**, Varadhan R., Weiss C., Fried L., Cappola A. Frailty Status and Altered Dynamics of Circulating Energy Metabolism Hormones After Oral Glucose in Older Women. *Journal of Nutrition, Health and Aging*. 2012; 16: 679-686.
9. Xue Q., Bandeen-Roche K., Chaves P., Dam T., **Kalyani R.R.**, Mielenz T., Ornstein K., RoyChoudhury A., Spleki C., Szanton S., Thorpe R., Varadhan R., Yao W., Fried L. Patterns of 12-Year Change in Physical Activity Levels in Community-Dwelling Older Women: Can Modest Levels of Physical Activity Help Older Women Live Longer? *American Journal of Epidemiology*. 2012; 176: 534-43.
10. **Kalyani R.R.**, Tian J., Xue Q., Walston J., Cappola A., Fried L., Brancati F., Blaum C. Hyperglycemia and Incidence of Frailty and Lower Extremity Mobility Limitations in Older Women. *J Am Geriatr Soc*. 2012; 60: 1701-7.
11. **Kalyani R.R.**, Tra Y., Yeh H., Egan J., Ferrucci L., Brancati F. Quadriceps Strength, Quadriceps Power, and Gait Speed in Older U.S. Adults with Diabetes: Results from the National Health and Nutrition Examination Survey (NHANES), 1999-2002. *J Am Geriatr Soc*. 2013; 61:769-75.
12. **Kalyani R.R.**, Lazo M., Ouyang P., Turkbey E., Chevalier K., Brancati F., Becker D., Vaidya D. Sex Differences in Diabetes and Risk of Incident Coronary Artery Disease in Healthy Young and Middle-Aged Adults. *Diabetes Care*. 2014; 37: 830-8.
13. **Kalyani R.R.**, Tra Y., Egan J., Ferrucci L., Brancati F. Hyperglycemia is Associated with Relatively Lower Lean Body Mass in Older Adults. *Journal of Nutrition, Health and Aging*. 2014; 18: 737-43.
14. Corriere M., Yao W., Xue Q., Cappola A., Fried L., Thorpe R., Szanton S., **Kalyani R.R.** The Association of Neighborhood Characteristics with Obesity and Metabolic Conditions in Older Women. *Journal of Nutrition, Health and Aging*. 2014; 18: 792-8.
15. Corriere M., Minang L., Sisson S., Brancati F., **Kalyani R.R.** The Use of Clinical Guidelines Highlights Ongoing Educational Gaps in Physicians' Knowledge and Decision Making Related to Diabetes. *BMC Medical Education*. 2014; 14: 186.
16. **Kalyani R.R.**, Metter E., Egan J., Golden S., Ferrucci L. Hyperglycemia Predicts Persistently Lower Muscle Strength with Aging. *Diabetes Care*. 2015; 38: 82-90.

17. Ward B., Wenzel A., **Kalyani R.R.**, Agrawal Y., Feng A., Polydefkis M., Ying H., Schubert M., Zuniga G., Della Santina C., Carey J. Characterization of Diabetes-Associated Vestibulopathy in Individuals with Type 2 Diabetes Mellitus. *Otolaryngology - Head and Neck Surgery*. 2015; 153: 112-8.
18. Shardell M., Semba R., **Kalyani R.R.**, Hicks G., Bandinelli S., Ferrucci L. Serum 25-Hydroxyvitamin D, Plasma Klotho, and Lower-Extremity Physical Performance Among Older Adults: Findings from the InCHIANTI Study. *J Gerontol A BiolSci Med Sci*. 2015; 70: 1156-62.
19. **Kalyani R.R.**, Kim C., Ferrucci L., Laughlin G., Kritiz-Silverstein D., Kong S., Nan B., Barrett-Connor E. Sex Differences in the Longitudinal Association of Hyperglycemia with Lower Grip Strength in Older Adults: The Rancho Bernardo Study, *BMJ Open Diabetes Research & Care*. 2015;3:e000086.
20. **Kalyani R.R.**, Rodriguez D., Yeh H., Golden S., Thorpe R. Diabetes, Race, and Functional Limitations in Older U.S. Men and Women. *Diab Res Clin Practice*. 2015; 108: 390-7.
21. John G., Singh V., Pascricha P., Makary M., Hirose K., Desai N., Walsh C., **Kalyani R.R.**, Hall E., Sun Z., Warren D., Stein E. Post-operative Dysmotility Following Total Pancreatectomy with Islet Auto Transplantation in Patients with Chronic Pancreatitis. *Journal of Gastrointestinal Surgery*. 2015;19: 1256-61.
22. **Kalyani R.R.**, Yeh H.C., Clarke J., Weisfeldt M., Choi T., MacDonald S. Sex Differences Among Career Development Awardees in the Attainment of Independent Research Funding in a Department of Medicine. *J Womens Health (Larchmt)*. 2015; 24: 933-9.
23. Bandeen-Roche K., Seplaki C., Huang J., Buta B., **Kalyani R.R.**, Varadhan R., Xue Q.L., Walston J., Kasper J. Frailty in Older Adults: A New National Profile. *J Gerontol A BiolSci Med Sci*. 2015; 70: 1427-34.
24. Shardell M., Semba R.D., **Kalyani R.R.**, Rosano, C., Bandinelli, S., Chia, C.W., Ferrucci L. Plasma Klotho and Cognitive Decline in Older Adults: Findings from the InChianti Study. *J Gerontol A BiolSci Med Sci*. 2016; 71: 677-82.
25. Roopnarinesingh N., Brennan N., Khan C., Ladenson P, Hill-Briggs F., **Kalyani R.R.** Barriers to Optimal Diabetes Care in Trinidad: A Healthcare Professionals' Perspective. *BMC Health Services Research*. 2015;15: 396.
26. Xiang X., Nirbhay N.Y. , Knutsson L., Hua J., **Kalyani R.R.**, Hall E., Laterra J., Blakeley J., Pomper M., Barker P., Chan K., Liu G., McMahon M.T., Stevens R., van Zijl P.C. Dynamic Glucose-Enhanced (DGE) MRI: Translation to Human Scanning and First Results in Glioma Patients. *Tomography*. 2015; 1: 105-114.
27. Buta B., Walston J., Godino J, Park M., **Kalyani R.R.**, Xue Q., Bandeen-Roche K., Varadhan R. Frailty Assessment Instruments: Identification and Systematic Characterization of the Uses and Contexts of Highly-Cited Instruments. *Ageing Res Rev*. 2016; 26: 53-61.
28. Williams M., Cushman M., Ouyang P., Heckbert S., **Kalyani R.R.**, Vaidya D. Association of serum sex hormone levels with hemostatic factors in women on and off hormone therapy: the Multi-Ethnic Study of Atherosclerosis. *J Womens Health*. 2016; 25: 166-72.
29. Schneider, A.L., **Kalyani, R.R.**, Golden, S., Stearns, S.C., Wruck, L., Yeh, H.C., Coresh, J., Selvin, E. S. Diabetes, Pre-diabetes and Risk of Hospitalization: the Atherosclerosis Risk in Communities (ARIC) Study, *Diabetes Care*. 2016; 39: 772-9.
30. Joseph, J.J., Tcheugui, J.B.E., **Kalyani, R.R.**, Yeh, H., Bertoni, A.G., Effoe V.S., Casonova, R., Sims, M., Correa, A., Wu, W., Wand, G.S., Golden, S.H. Aldosterone, Renin and Diabetes Mellitus in African Americans: The Jackson Heart Study. *J Clin Endocrinol Metab*. 2016; 101: 1770-8.
31. Xue Q., Tian J., Fried L., **Kalyani R.R.**, Varadhan R., Walston J., Bandeen-Roche K. Physical Frailty Assessment: Can Simplification Be Achieved without Loss of Syndrome Measurement Validity? *Am J Epidemiol*. 2016; 183: 1037-44.
32. Godino, J., Appel, L., Gross, A., Schrack, J., Parrinello, C., **Kalyani, R.R.**, Windham, B., Pankow, J., Kritchevsky, S., Bandeen-Roche, K., Selvin, E. Diabetes, hyperglycemia, and the burden of functional disability among older adults in a community-based study. *Journal of Diabetes*. *J Diabetes*. 2017; 9: 76-84.
33. Chaudhry ZW, Doshi RS, Mehta AK, Jacobs DK, Vakil RM, Lee CJ, Bleich SN, **Kalyani RR**, Clark JM, Gudzone KA A systematic review of commercial weight loss programmes' effect on glycemic outcomes among overweight and obese adults with and without type 2 diabetes mellitus. *Obes Rev*. 2016; 17: 758-69.
34. Yanek, L, Vaidya, D., Kral, B.G., **Kalyani, R. R.**, Moy, T., Stewart, K.J., Becker, D.M. The Impact of Self-Preference Community Fitness Interventions in High Risk African Americans. *Fam Community Health*. 2016; 39: 251-62.
35. Kral, B., Becker, D., Becker, L., Fishman, E., Mathias, R., Yanek, L., Zhang, Y., **Kalyani, R.R.**, Vaidya, D. Relation of Plasma Lipoprotein(a) to Subclinical Coronary Plaque Volumes, Three-Vessel and Left Main

Coronary Disease, and Severe Coronary Stenosis in Apparently Healthy African Americans. *American Journal of Cardiology*. 2016; 118:656-61.

36. Farag, Y., Guallar, E., Zhao, D., **Kalyani, R.R.**, Blaha, M.J., Feldman, D.I., Martin, S., Lutsey, P.L., Billups, K., Michos, E. Vitamin D deficiency is independently associated with greater prevalence of erectile dysfunction: the National Health and Nutrition Examination Survey (NHANES) 2001-2004. *Atherosclerosis*. 2016; 252: 61-67.
37. Mongraw-Chaffin, M., Foster, M.C., **Kalyani, R.R.**, Vaidya, D., Burke, G.L., Woodward, M., Anderson, C. Obesity severity and duration are associated with incident metabolic syndrome: Metabolically healthy obesity in MESA. *J Clin Endocrinol Metab*. 2016; 101: 4117-4124.
38. Buta, B., Choudhury, P., Xue, Q., Chaves, P., Bandeen-Roche, K., Shardell, M., Semba, R., Walston, J., Michos, E., Appel, L., McAdams-DeMarco, M., Gross, A., Yasar, S., Ferrucci, L., Fried, L., **Kalyani, R.R.** The Association of Vitamin D Deficiency and Incident Frailty in Older Women: The Role of Cardiometabolic Diseases. *J Am Geriatr Soc*. 2017; 65: 619-624.
39. Yalamanchi, S, Stewart, K.J., Ji,N., Golden, S.H., Dobs, A., Becker, D.M., Vaidya, D., Kral, B., **Kalyani, R.R.** The Relationship of Fasting Hyperglycemia to Changes In Fat and Muscle Mass After Exercise Training in Type 2 Diabetes. *Diab Res Clin Practice*, 2016; 122:154-161.
40. McAdams-DeMarco, M., Ying, H., Olorundare, I., King, E., Buta, B., Gross, A., **Kalyani, R.R.**, Desai, N., Dagher, N., Lonze, B., Montgomery, Bandeen-Roche, K., Walston, J., Segev, D. Individual Frailty Components and Mortality In Kidney Transplant Recipients. *Transplantation*, 2017; 101: 2126-2132.
41. Fabbri, E., Chia, C.W., Spencer, R.G., Fishbein, K.W., Reiter, D.A., Zane, A., Moore, Z., Gonzalez-Freire, M., Zoli, M., Studenski, S.A., **Kalyani, R.R.**, Egan, J, Ferrucci L. Insulin resistance is associated with reduced mitochondrial oxidative capacity measured by 31P magnetic resonance spectroscopy in non-diabetic participants from the Baltimore Longitudinal Study of Aging. *Diabetes*. 2017; 66:170-176.
42. Quartuccio M, Hall E, Singh V, Makary MA, Hirose K, Desai N, Walsh C, Warren D, Sun Z, Stein E, **Kalyani RR.** Glycemic Predictors of Insulin Independence after Total Pancreatectomy with Islet Auto Transplantation. *J Clin Endocrinol Metab*. 2017; 102: 801-809. **Selected as Editor's Choice
43. Zhao, D., Ouyang, P., De Boer, I., Lutsey, P.L., Farag, Y., Guallar, E., Siscovick, D., Post, W., **Kalyani, R.R.**, Billups, K., Michos, E. D. Serum Vitamin D and Sex Hormones Levels in Men and Women: The Multi-Ethnic Study of Atherosclerosis (MESA). *Maturitas*. 2017; 96: 95-102.
44. John, G., Singh, V.K., Pasricha, P.J., Warren, D., Sun, Z., Desai, N., Walsh, C., **Kalyani, R.R.**, Hall, E., Hirose, K., Makary M., Stein E. Chronic Gastrointestinal Dysmotility and Pain Following Total Pancreatectomy with Islet Autotransplantation for Chronic Pancreatitis. *J Gastrointest Surg*. 2017; 21: 622-627.
45. Fan, C., Hanna, M., Hirose, K., Singh, V., Walsh, C., **Kalyani, R.R.**, Warren, D., Quartuccio, M., Sun, Z., Desai, N., Makary, M. Laparoscopic Total Pancreatectomy Islet Autotransplantation with Intraoperative Islet Separation as a Treatment for Patients with Chronic Pancreatitis. *JAMA Surgery*. 2017 ;152: 550-556.
46. Effoe, V., Wagenknecht, L. Echouffo Tcheugui, J., Chen, H., Joseph, J., **Kalyani, R.R.**, Bell, R., Wu, W., Casanova, R., Bertoni, A.G. Insulin Resistance is Associated with Incident Coronary Heart Disease but not Stroke Among African Americans without Diabetes: The Jackson Heart Study. *JAHA*, 2017; 6: e004229.
47. Palta P., Huang E.S., **Kalyani R.R.**, Golden S.H., Yeh H.C. Hemoglobin A1C and Mortality in Older Adults With and Without Diabetes: Results from the National Health and Nutrition Examination Survey (1988-2011). *Diabetes Care*. 2017; 40: 453-460.
48. **Kalyani, R.R.**, Ji, N., Carnethon, M., Bertoni, A.G., Selvin, E.S., Gregg, E.W., Sims, M., Golden, S.H. Diabetes, Depressive Symptoms, and Functional Disability in African Americans: The Jackson Heart Study. *J Diabetes Complications*. 2017; 31: 1259-1265.
49. Lee, C., Iyer, G., Liu, Y., **Kalyani, R.R.**, Bamba, N., Ligon, C.B., Varma, S., Mathioudakis N. The Effect of Vitamin D Supplementation on Glucose Metabolism in Type 2 Diabetes Mellitus: A Systematic Review and Meta-analysis of Intervention Studies. *J Diabetes Complications*. 2017; 31: 1115-1126.
50. Echouffo-Tcheugui J.B., Allison M., **Kalyani R.R.**, Sims M., Bertoni A., Golden S.H. Abdominal Aortic Calcification among Individuals with and Without Diabetes: The Jackson Heart Study. *Diabetes Care*. 2017; 40: e106-e107.
51. Joseph J.J., Echouffo-Tcheugui J.B., **Kalyani R.R.**, Yeh H., Bertoni A., Effoe V., Casanova R., Sims M., Wu W., Wand G., Golden S.H.. Aldosterone, Renin, Cardiovascular Events and All-Cause Mortality among African Americans: The Jackson Heart Study, *JACC: Heart Failure*. 2017; 5: 642-651.

52. Kim C., Dabelea D., **Kalyani R.R.**, Christophi C.A., Bray G.A., Pi-Sunyer X., Darwin C.H., Yalamanchi S., Barrett-Connor E., Golden S.H., Boyko E.J. Changes in Visceral Adiposity, Subcutaneous Adiposity, and Sex Hormones in the Diabetes Prevention Program. 2017; 102: 3381-3389.
53. Moran R.A., Klaphek R., John G., Devlin S., Warren D., Desai N., Sun Z., Walsh C., **Kalyani R.R.**, Hall E., Stein E.M., Kalloo A., Zaheer A., Hirose K., Makary M., Singh V. Prevalence and Predictors of Pain and Opioid Analgesic Use Following Total Pancreatectomy with Islet Autotransplantation for Pancreatitis. *Pancreatology*. 2017;732-737.
54. Shardell M., Semba R., **Kalyani R.R.**, Bandinelli S., Prather A., Chia C., Ferrucci L. Plasma klotho and frailty in older adults: Findings from the InCHIANTI Study. *J Gerontol A Biol Sci Med Sci*, 2017 Oct 19 [Epub ahead of print].
55. Quartuccio M, Simonsick EM, Langan S, Harris T, Sudore RL, Thorpe R, Rosano C, Hill-Briggs F, Golden S, **Kalyani RR**. The relationship of health literacy to diabetes status differs by sex in older adults. *J Diabetes Complications*. 2018; 32:368-372.
56. Bell R.A., Chen H., Saldana S., Bertoni A., Effoe, V., Hairsto K., **Kalyani R.R.**, Norwood A. Comparison of measures of adiposity and cardiovascular disease risk factors among African American adults: The Jackson Heart Study. *J Racial Ethn Health Disparities*. 2018; 5:1230-1237.
57. Mongraw-Chaffin M., Foster M.C., Anderson C., Burke G., Haq N., **Kalyani R.R.**, Ouyang P., Sibley C., Tracy R., Woodward M., Vaidya D. Heterogeneity in transition from MHO to MetS obscures the CVD risk: The Multi-Ethnic Study of Atherosclerosis. *J Am Coll Cardiol*. 2018; 71: 1857-1865.
58. Quartuccio M., Minang L., **Kalyani R.R.** Patient Preferences and Internet Use for Diabetes Education Differs by Age. *J Diabetes Complications*, 2018; 32:726-727.
59. Kral BG, Becker DM, Yanek LR, Vaidya D, Mathias RA, Becker LC, **Kalyani RR**. The relationship of family history and risk of type 2 diabetes differs by ancestry. *DiabetesMetab*. 2018 May 21 [Epub ahead of print].
60. Michos ED, Mitchell CM, Miller ER, Sternberg AL, Juraschek SP, Schrack JA, Szanton SL, Walston JD, **Kalyani RR**, Plante TB, Christenson RH, Shade D, Tonascia J, Roth DL, Appel LJ; STURDY Collaborative Research Group. Rationale and Design of the Study to Understand Fall Reduction and vitamin D in You (STURDY): A Randomized Clinical Trial of Vitamin D Supplement Doses for the Prevention of Falls in Older Adults. *Contemp Clin Trials*. 2018; 73:111-122.
61. Irmakci I, Hussein S, Savran A, **Kalyani RR**, Reiter D, Chia C, Fishbein K, Spencer R, Ferruci L, Bageci U. A Novel Extension to Fuzzy Connectivity for Body Composition Analysis: Applications in Thigh, Brain, and Whole Body Tissue Segmentation. *IEEE Transactions on Biomedical Engineering*. 2019; 66: 1069-1081.
62. Al-Sofiani, M.E., Yanek L.R., Faraday N., Kral B.G., Mathias R., Becker L.C., Becker D. M., Vaidya D., **Kalyani, R.R.** Diabetes and Platelet Response to Low-Dose Aspirin. *J Clin Endocrinol Metab* 2018; 103:4599-4608.
63. Kim C, Ricardo AC, Boyko EJ, Christophi CA, Temprosa M, Watson KE, Pi-Sunyer X, **Kalyani RR**; Diabetes Prevention Program Research Group. Sex hormones and measures of kidney function in the Diabetes Prevention Program Outcomes Study. *J Clin Endocrinol Metab*. 2019; 104: 1171-1180.
64. Knuttson L, Seidemo A, Scherman Rydhog A, Markenroth Bloch K, **Kalyani R**, Anderson M, Sundgren P, Wirestam R, Helms G, Van Zijl P, Xu X. Arterial input functions and tissue response curves in dynamic glucose enhanced (DGE) imaging: Comparison between glucoCEST and blood glucose sampling in humans. *Tomography*. 2018; 4: 164-171.
65. Ortiz R, Kluwe B, Odei J, Echouffo-Tcheugui JB, Sims M, **Kalyani RR**, Bertoni AG, Golden SH, Joseph JJ. The Association of Morning Serum Cortisol with Glucose Metabolism and Diabetes: The Jackson Heart Study Journal. *Psychoneuroendocrinology*. 2019; 103:25-32.
66. He KY, Li X, Kelly TN, Liang J, Cade BE, Assimes TL, Becker LC, Beitelshes AL, Bress AP, Chang YC, Chen YI, de Vries PS, Fox ER, Franceschini N, Furniss A, Gao Y, Guo X, Haessler J, Hwang SJ, Irvin MR, **Kalyani RR**, Liu CT, Liu C, Martin LW, Montasser ME, Muntner PM, Mwasongwe S, Palmas W, Reiner AP, Shimbo D, Smith JA, Snively BM, Yanek LR, Boerwinkle E, Correa A, Cupples LA, He J, Kardina SLR, Kooperberg C, Mathias RA, Mitchell BD, Psaty BM, Vasan RS, Rao DC, Rich SS, Rotter JI, Wilson JG; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium, TOPMed Blood Pressure Working Group, Chakravarti A, Morrison AC, Levy D, Arnett DK, Redline S, Zhu X. Leveraging linkage evidence to identify low frequency and rare variants on 16p13 associated with blood pressure using TOPMed whole

genome sequencing data. *Hum Genet.* 2019; 138: 199-210.

67. Echouffo-Tcheugui J.B., Chen H., **Kalyani R.R.**, Sims M., Simpson S., Effoe V., Correa A., Bertoni A.G., Golden S.H Glycemic Markers and Subclinical Cardiovascular Disease Among African-Americans: The Jackson Heart Study. *Circulation: Cardiovascular Imaging.* 2019; 12:e008641.
68. Apolzan JW, Venditti EM, Edelstein SL, Knowler WC, Dabelea D, Boyko EJ, Pi-Sunyer X, **Kalyani RR**, Franks PW, Srikanthan P, Gadde K. "Long-term Weight Loss with Metformin or Lifestyle Intervention in the Diabetes Prevention Program Outcomes Study. *Ann Intern Med.* 2019; 170: 682-690.
69. Kesireddy V, Tan Y, Kline D, Brock G, Odei JB, Kluwe B, Effoe VS, Echouffo Tcheugui JB, **Kalyani RR**, Sims M, Taylor HA, Mongraw-Chaffin M, Akhabue E, Joseph JJ. The Association of Life's Simple 7 with Aldosterone among African Americans in the Jackson Heart Study. *Nutrients.* 2019; 11(5).
70. Bandeen-Roche K, Gross AL, Varadhan R, Buta B, Carlson MC, Huisingh-Scheetz M, McAdams-DeMarco M, Piggott DA, Brown TT, Hasan RK, **Kalyani RR**, Seplaki CL, Walston JD, Xue QL. Principles and Issues for Physical Frailty Measurement and its Clinical Application. *J Gerontol A Biol Sci Med Sci.* 2019 Jul 9. [Epub ahead of print]
71. Perreault L, Pan Q , Schroeder EB, **Kalyani RR**, Bray GA, Dagogo-Jack S, White NH, Goldberg, RB, Kahn SE, Knowler WC, Mathioudakis N, Dabelea D, for the Diabetes Prevention Program Research Group. *Diabetes Care,* 2019; 42: 1809-1815.
72. Trisler MJ, Kruer RM, Jarrell AS, Faghih M, Walsh CM, Singh VK, Hall E, **Kalyani RR**, Makary MA, Hatfield LA. Microbial Contamination, Infection, and Antimicrobial Use During Total Pancreatectomy With Islet Autotransplantation. *Pancreas.* 2019; 48: 1050-1055.
73. Varadhan R, Russ D, Gabr R, Huang J, **Kalyani RR**, QL Xue, Cappola A, Bandeen-Roche K, Weiss C, Fried LP. Relationship of frailty to phosphocreatine recovery in muscle after mild exercise stress in the oldest-old women. *J Frailty and Aging, J Frailty Aging.* 2019; 8:162-168.
74. Shardell M, Drew DA, Semba RD, Harris TB, Cawthon PM, Simonsick EM, **Kalyani RR**, Schwartz AV, Kritchevsky SB, Newman AB, for the Health ABC Study. Plasma alpha-Klotho, serum fibroblast growth factor 23, and mobility disability in community-dwelling older adults. *J Endocr Soc,* 2020; 4 (5):bvz032.
75. Ahmed S, Bellamkonda S , Wang J, Zilbermint M, **Kalyani RR**. Effects of the Low Carbohydrate, High Fat Diet on Glycemic Control and Body Weight in Patients with Type 2 Diabetes: Experience from a Community-Based Cohort. *BMJ Open Diabetes Research & Care,* 2020; 8(1): e000980.
76. Sur S, Lin Z, Li Y, Yasar S, Rosenberg P, Moghekar A, Hou X, **Kalyani RR**, Hazel K, Pottanat G, Xu C, Van Zijl P, Pillai J, Liu P, Albert M, Lu H. Brain small vessel reactivity predicts cognitive performance independent of Alzheimer pathology. *Neurology.* 2020; 95(8): e962-e972.
77. **Kalyani RR**, Metter EJ, Xue QL, Egan JM, Chia CW, Studenski S, Shaffer NC, Golden SH, Al-Sofiani M, Florez H, Ferrucci L. The Relationship of Lean Body Mass with Aging to the Development of Diabetes. *J Endocr Soc.* 4 (7): bvaa043.
78. Faghih M, Noë M, Mannan R, Kamel IR, Zaheer A, **Kalyani RR**, Hall E, Afghani E, Warren D, Desai N, Sun Z, Walsh C, Makary MA, Goggins M, Hruban RH, He J, Singh VK . Pancreatic volume does not correlate with histologic fibrosis in adult patients with recurrent acute and chronic pancreatitis. *Pancreatology.* 2020 Aug 1 (Online ahead of print).
78. DeBarmore B, Longchamps RJ, Zhang Y, **Kalyani RR**, Guallar E, Arking DE, Selvin E, Young JH. Mitochondrial DNA copy number and diabetes: The Atherosclerosis Risk in Communities (ARIC) Study. *BMJ Open Diabetes Res Care.* 2020; 8(1): e001204.

Original Research Publications as a Member of a Consortium

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2. Kessler MD, Loesch DP, Perry JA, Heard-Costa NL, Taliun D, Cade BE, Wang H, Daya M, Ziniti J, Datta S, Celedón JC, Soto-Quiros ME, Avila L, Weiss ST, Barnes K, Redline SS, Vasani RS, Johnson AD, Mathias RA, Hernandez R, Wilson JG, Nickerson DA, Abecasis G, Browning SR, Zöllner S, O'Connell JR, Mitchell BD; **National Heart, Lung, and Blood Institute Trans-Omics for Precision Medicine (TOPMed) Consortium**; TOPMed Population Genetics Working Group, O'Connor TD. De novo mutations across 1,465 diverse genomes reveal mutational insights and reductions in the Amish founder population. *Proc Natl Acad*

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1. **Rastogi R.**, Beauchamp N., Ladenson P. Calcification of the basal ganglia in chronic hypoparathyroidism. *Journal of Clinical Endocrinology and Metabolism*. 2003; 88: 1476-7.
2. Chinsky J, **Kalyani R.** Fever and petechial rash associated with parvovirus B19 infection. *Clinical Pediatrics*. 2006; 45: 275-80.
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Electronic Book

1. **Kalyani R.R.** (Editor-in-Chief). Johns Hopkins Diabetes Point-of-Care Information Technology (POC-IT) Guide. Baltimore: Unbound Medicine, 2011- Present (www.hopkinsguides.com).

Guidelines/Consensus Statements

1. Munshi M.N., Florez H., Huang E.S., **Kalyani R.R.**, Mupanomunda M., Pandya N., Swift C.S., Taveira T.H., Haas L. Management of Diabetes in Long-term Care and Skilled Nursing Facilities: A Position Statement of the American Diabetes Association. *Diabetes Care*. 2016; 39: 308-18
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2. Herman W.H., **Kalyani R.R.**, Wexler D.J., Matthews D.R., Inzucchi S.E. Response to Comment on American Diabetes Association. Approaches to Glycemic Treatment. Sec. 7. In Standards of Medical Care in Diabetes-2016. *Diabetes Care* 2016; 39(Suppl. 1):S52-S59. *Diabetes Care*. 2016; 39:e88-9.
3. **Kalyani R.R.**, Golden S.H., Cefalu W.T. Diabetes in Older Adults: Unique Considerations and Goals of Care. *Diabetes Care*. 2017; 40: 440-443.
4. Herman W.H., Peterson M., **Kalyani R.R.** Response to Comment on American Diabetes Association. Standards of Medical Care in Diabetes--2017. *Diabetes Care* 2017; 40 (Suppl. 1);S1-S135. *Diabetes Care*. 2017; 40: e1-2.
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6. Neumiller JJ, **Kalyani RR**. How Does CREDENCE Inform Best Use of SGLT2 Inhibitors in CKD? *Clin J Am Soc Nephrol*. 2019; 14: 1667-1669.

Media Releases or Interviews

1. Johns Hopkins Health Newsfeed Podcasts (broadcasted on WYPR/NPR):
 - "Beans and Blood Sugar" (11/8/11)
 - "No Help" (11/9/11)
 - "Beans or Bread" (11/7/12)
 - "New Diabetes Drug" (4/11/13)
 - "New Diabetes Med" (4/12/13)
 - "Diet and Diabetes" (11/1/13)
 - "Diabetes Med" (3/14/14)
 - "Insulin Risk" (6/20/14)
 - "Inhaled Insulin" (6/24/14)
 - "Insulin Expense" (6/25/14)
 - "Avoiding Diabetes" (3/17/15)
 - "Artificial Pancreas" (3/18/15)
 - "Intensive Glucose Control" (7/1/15)
 - "Diabetes Drop" (1/18/16)
 - "Genes and Diabetes" (7/29/16)
 - "Test Strips" (6/23/17)
 - "Food Pharmacy" (6/26/17)
 - "Walkability and Diabetes" (10/11/17)
 - "Artificial Sweeteners and Diabetes" (10/12/17)
 - "Diabetes Management" (1/8/17)
 - "Generic Insulin" (1/9/17)
 - "Five Categories" (4/5/18)
 - "Fall Prevention" (4/6/18)
 - "Fasting and Insulin" (11/21/18)
 - "Diabetes and Fasting" (11/22/18)
 - "Bariatric Surgery and Heart Disease" (11/23/18)
 - "Emergency and Diabetes" (2/18/19)
 - "Insulin Prices" (2/19/19)
 - "Better Insulin?" (2/20/19)
 - "Speaking Up" (2/21/19)
 - "Heart Failure and Diabetes Drug" (10/14/19)
 - "Double Dipping" (10/15/19)
 - "Now Oral" (10/16/19)
 - "Diabetes and Kidney Disease" (10/17/19)
 - "Race and Diabetes" (02/05/20)
 - "Cultural Messaging" (02/29/20)Available at: <http://podcasts.hopkinsmedicine.org/category/podcasts/health-newsfeed/>
2. Invited Television Guest, The Dr. Oz Show, "Oz Alert: Avandia Diabetes Pill" (10/10)
 - Part 1: <https://www.sharecare.com/health/antidiabetic-drugs/rosiglitazone-avandia-safe-diabetes>
 - Part 2: <http://www.sharecare.com/health/diabetes-prevention/diet-exercise-ward-off-diabetes>
3. Invited Radio Guest, The Diane Rehm Show, "The Looming Worldwide Diabetes Epidemic" (11/11).
<https://dianerehm.org/shows/2011-11-15/looming-worldwide-diabetes-epidemic>
4. Invited Television Guest, The Today Show, "Bringing Diabetes to the Forefront" (11/13).
<https://www.today.com/health/bringing-diabetes-forefront-t118053>
5. Invited Television Guest, CTV News, "Diabetes rates skyrocketing" (04/16)
<http://www.ctvnews.ca/video?clipId=844031>

Other Selected Media

1. "Diabetes Greatly Raises Younger Women's Heart Risk: Study" U.S. News & World Report. (11/2013)
<http://health.usnews.com/health-news/news/articles/2013/11/05/diabetes-greatly-raises-younger-womens-heart-risk-study>.

2. "Diabetic women under 60 at higher risk of heart disease" Yahoo Health News. (11/2013)
<https://in.news.yahoo.com/diabetic-women-under-60-higher-risk-heart-disease-044007012.html>.
3. "High HbA1c linked to low muscle strength" Endocrine Today. (11/2014).
<http://www.healio.com/endocrinology/diabetes/news/online/%7B27216104-b9d8-42ea-a63f-0ccc4d56972e%7D/high-hba1c-linked-to-low-muscle-strength>
4. "Johns Hopkins Women and Men Score Equal Numbers of Key NIH Grants" (10/2015)
<http://www.biosciencetechnology.com/articles/2015/10/johns-hopkins-women-and-men-score-equal-numbers-key-nih-grants>
5. "OGTT TESTING MAY HELP COUNSEL PATIENTS BEFORE TOTAL PANCREATECTOMY WITH ISLET AUTOTRANSPLANTATION" Managed Health Care Connect (12/16)
<http://www.managedhealthcareconnect.com/content/ogtt-testing-may-help-counsel-patients-total-pancreatectomy-islet-autotransplantation>
6. "ADA Guidelines Embrace Heart Health" Clinical Endocrinology News (12/2017)
<https://www.mdedge.com/clinicalendocrinologynews/article/154658/diabetes/ada-guidelines-embrace-heart-health?channel=205>
7. "Debate Persists in Treating Older Adults with Diabetes" Healio Family Medicine. (04/2018)
<https://www.healio.com/family-medicine/diabetes/news/online/%7B4216df05-a7bf-457c-9b2e-409cbcb140a4%7D/debate-persists-in-treating-older-patients-with-diabetes>
8. "Aspirin plays important secondary prevention role against cardiovascular events in diabetes patients" ADA Daily. (06/2018) <https://www.adadaily.org/aspirin-plays-important-secondary-prevention-role-against-cardiovascular-events-in-diabetes-patients/>
9. "Age-related muscle loss may drive type 2 diabetes risk in men" Healio Endocrine Today (05/04/20)
<https://www.healio.com/endocrinology/diabetes/news/online/%7Bf2dbf647-2d9f-4521-8801-885942b637e8%7D/age-related-muscle-loss-may-drive-type-2-diabetes-risk-among-men>

FUNDING

EXTRAMURAL Funding

Research Extramural Funding - Current

9/30/17 – 8/31/22 Characterizing Resiliencies to Physical Stressors in Older Adults: A Dynamical Physiological Systems Approach
UH2/UH3AG056933
National Institute on Aging, NIH
PIs: Jeremy Walston, MD, Karen Bandeen-Roche, PhD, Ravi Varadhan, PhD
Role: Co-PI (Clinical and Dynamic Physiological Core)
To elucidate mechanisms and processes of resilience including various hormonal pathways within a general framework that emphasizes its dynamics and interactions.

9/30/16-7/31/21 Development of MRI microvascular biomarkers in cognitive impairment and dementia
UH2/UH3NS100588
National Institute of Neurological Disorders and Stroke, NIH
PI: Hanzhang Lu, PhD
Role: Co-Investigator
The goal of this proposal is to evaluate small vessel MRI markers for the assessment of vascular contributions in cognitive impairment and dementia, including in diabetes.

Research Extramural Funding - Previous

7/1/14-6/30/20 Vitamin D Supplements to Prevent Falls in Older Adults: A Dose Response Trial
U01AG047837
National Institute on Aging, NIH
PI: Lawrence Appel, MD, MPH
Role: Co-Investigator
An interventional dose-response trial of vitamin D supplementation for the prevention of falls

in older adults.

- 5/1/15- 1/31/20 Development and Translation of D-glucose as a Diagnostic Agent for MRI of Cancer
R01EB019934
Bioengineering Research Partnerships (BRP), NIH
PI: Peter Van Zijl, MD, PhD
Role: Co-Investigator
This grant aimed to develop dynamic CEST imaging of glucose as an alternative to contrast based MRI/CT and PET deoxyglucose for brain cancer imaging and diagnosis.
- 2/1/16-1/31/19 Lean Body Mass and the Development of Diabetes
R03DK109163
National Institute of Diabetes and Digestive and Kidney Diseases, NIH
Role: PI
The goal of the proposal was to investigate the longitudinal relationship of lean body mass changes, independent of adiposity, with the development of diabetes and potential bidirectional influences.
- 9/1/12-5/31/17 Glucose, Insulin, and Muscle Loss
K23DK093583
National Institute of Diabetes and Digestive and Kidney Diseases, NIH
Role: PI
Examined the relationship of dysglycemia and insulin resistance to loss of muscle mass, strength, and quality in persons with diabetes and investigates underlying pathways.
- 7/1/11-6/30/12 Johns Hopkins OAIC Research Career Development Core
P30AG021334
National Institute on Aging
OAIC PI: Jeremy Walston, MD
Role: RCDC Scholar/PI
Studied the development of frailty in older adults with diabetes.
- 7/1/10-6/30/11 Johns Hopkins Older American Independence Center (OAIC) Pilot/Exploratory Studies Core
P30AG021334
National Institute on Aging
OAIC PI: Jeremy Walston, MD
Role: Pilot Project Scholar/PI
Studied dysregulation in hormones of energy metabolism in frail older adults.
- 7/1/07-6/30/09 Johns Hopkins Clinical Research Scholars Program
1KL2RR025006
National Institutes of Health Roadmap (KL2)/Institute for Clinical and Translational Research
PI: Neil Powe, MD, MPH, MBA
Role: Trainee
Completed training at Johns Hopkins Bloomberg School of Public Health and conducted study on functional disability in adults with diabetes.

Other Extramural Funding - Previous

- 7/1/17- 6/30/20 Implementation and Dissemination of a Patient Guide to Diabetes Website
Frannie Foundation
Role: PI
After the successful launch of the Johns Hopkins Patient Guide to Diabetes website (hopkinsdiabetesinfo.org), the second phase of funding will include the development of multi-modal content including animations, patient videos, and text-based formats to facilitate

self-directed learning. There will also be a focus on dissemination of the website (via social media) to reach a broader global audience.

- 7/1/15- 6/30/17 Development and Launch of a Patient Website for Diabetes
Frannie Foundation
Role: PI
The development of a patient website for diabetes based on the most up-to-date evidence as an educational tool to improve diabetes related knowledge for patients with diabetes and increase public awareness of diabetes.

INTRAMURAL Funding

Research Intramural Funding - Previous

- 3/1/16-2/28/17 Establishing the Johns Hopkins Diabetes Registry using EMR Data
ICTR Behavioral, Social and Systems Science Translational Research Community (TRC) & the Center for Clinical Data Analysis
PI: Jessica Yeh, PhD
Role: Co-PI
The goal of this proposal was to establish a diabetes registry using patient electronic medical record data at Johns Hopkins.
- 7/1/14-6/30/15 Validation of a New Assay for the Accurate Determination of Vitamin D Status
No grant number
Accelerated Translational Incubator Pilot (ATIP) Program, Johns Hopkins Institute for Clinical and Translational Research
PI: Richard Semba, MD, MPH
Role: Co-Investigator
A study to determine vitamin D binding protein genetic variants using a novel multiple reaction monitoring assay.
- 7/1/10-6/30/12 Glucose, Insulin, and Muscle Loss
No grant number
Johns Hopkins University Richard S. Ross Clinician Scientist Award
Role: PI
Investigated the relationship of hyperglycemia to accelerated loss of muscle with aging.

CLINICAL ACTIVITIES

Certification

Medical, other state/government or licensure

2007-Present Maryland # D0065784

Boards, other specialty certification

2005 National Board of Medical Examiners

2006 American Board of Internal Medicine--Internal Medicine #268517

2009-Present American Board of Internal Medicine—Endocrinology, Diabetes,& Metabolism Subspecialty #268517

Clinical (Service) Responsibilities

2010-Present General Endocrinology Consult Service, Johns Hopkins Hospital

2010-Present Outpatient Clinic, Johns Hopkins Comprehensive Diabetes Center

Clinical Program Building/Leadership

2010-Present Director, Diabetes Management Service, Total Pancreatectomy Islet Auto Transplant Program (TPIAT), Johns Hopkins Hospital

EDUCATIONAL ACTIVITIES

Educational Focus

As an educational program-builder, I have developed several nationally recognized programs related to diabetes for both providers and patients. My other educational activities include lectures, seminars, written editorials, book chapters, books, media, editorial appointments at scientific journals, position statements for national scientific committees, and mentorship of trainees. In my clinical practice, I precept endocrinology fellows, residents and medical students.

Teaching

Classroom Instruction

JHMI/Regional

2007-2008 Course Faculty, Patient, Physician, and Society, Johns Hopkins University School of Medicine

2008-Present Didactic Conference Faculty, Internal Medicine Basic Clerkship, Johns Hopkins University School of Medicine

2011-2012 Faculty Lecturer, "Amenorrhea and Hypogonadism", Good Samaritan Hospital Internal Medicine Residency Program

2013-Present Didactic Conference Faculty, Intern Ambulatory Outpatient CASE Rotation, Johns Hopkins Osler Internal Medicine Residency Program

2013 Faculty Lecturer, "Diabetic Ketoacidosis", Good Samaritan Hospital Internal Medicine Residency Program

2013-2018 Faculty Lecturer, "Epidemiology of Diabetes in the Elderly", Diabetes and Obesity Epidemiology Course, Johns Hopkins Bloomberg School of Public Health

2014 Course Faculty, Clinical Epidemiology Course, Johns Hopkins University School of Medicine

2015-2016 Faculty Lecturer, "Barriers to Optimal Diabetes Care in Trinidad & Tobago", Chronic Diseases in Low- and Middle-Oncome Countries (LMIC) Course, Johns Hopkins Bloomberg School of Public Health

2018-2019 Faculty Lecturer, "Clinical Correlations: Type 1 Diabetes", Genes to Society MS II Curriculum

2019 Course Faculty, Clinical Epidemiology Course, Johns Hopkins University School of Medicine

2020 Faculty Lecturer, "The Story of Insulin", Stories of People, Science, and Medicine Course, Johns Hopkins University

2020 Faculty Lecturer, "Non-insulin Drugs for Diabetes", Osler Housestaff Noon Conference

Clinical Instruction

JHMI/Regional

2010-Present Preceptor, Internal Medicine Residency Basic Rotation in Outpatient Endocrinology, Johns Hopkins Hospital

2010-Present Attending Physician, Endocrinology Consultation Service, Johns Hopkins Hospital

2010-Present Preceptor, Endocrinology Fellowship Program Outpatient Clinic, Johns Hopkins Hospital

CME Instruction

JHMI/Regional

2011-2013 Faculty, Horizons in Endocrinology and Metabolism Continuing Medical Education Course, Johns Hopkins University School of Medicine

2011-2018 Faculty, What's New in Diabetic Retinopathy and Venous Occlusive Disease Continuing Medical Education Course, Johns Hopkins University School of Medicine

- 2011 Lecturer, "Impaired Glucose Metabolism: An Unavoidable Companion of Aging?"
Endocrinology, Diabetes, & Metabolism Grand Rounds, Johns Hopkins University School of Medicine
- 2011 Lecturer, "The Global Epidemic of Diabetes: A Case Study of Trinidad and Tobago,"
Endocrinology, Diabetes, & Metabolism Grand Rounds, Johns Hopkins University School of Medicine
- 2012 Lecturer, "Pancreatic Islet Transplantation: The Search for a Sweet Success," Department of
Medicine Grand Rounds, Johns Hopkins University School of Medicine
- 2012 Lecturer, "Impaired Glucose Metabolism in Older Adults," Welch Center Grand Rounds, Johns
Hopkins University School of Medicine
- 2012 Lecturer, "An Update on Diabetes Management," Johns Hopkins Department of Occupational
Health, Employee Health and Wellness Summit
- 2012 Lecturer, "Development of a Point-of-Care Diabetes Guide for Health Care Providers in Trinidad
and Tobago: A Model for International Diabetes Initiatives," Johns Hopkins Medicine
International Partners Forum 2012: Global Innovations in Health Care
- 2012 Panelist, "Navigating Careers in Academic Medicine," Center to Eliminate Cardiovascular Health
Disparities Summer Program, Johns Hopkins University School of Medicine
- 2013 Faculty, Philip Tumulty Topics in Clinical Medicine Continuing Medical Education Course,
Johns Hopkins University School of Medicine
- 2013 Lecturer, "Sex Differences in Diabetes and Coronary Heart Disease," Endocrinology,
Diabetes, & Metabolism Grand Rounds, Johns Hopkins University School of Medicine
- 2015 Lecturer, "Physical Function in Older Adults with Diabetes," Endocrinology, Diabetes, &
Metabolism Grand Rounds, Johns Hopkins University School of Medicine
- 2016 Lecturer, "Diabetes in Older Adults," Department of Medicine Grand Rounds, Johns Hopkins
University School of Medicine
- 2016 Lecturer, "Diabetes and Physical Functioning," Johns Hopkins Institute for Basic Biomedical
Sciences Science Writers' Boot Camp
- 2017- 2019 Lecturer, "An International Perspective on Diabetes Management," Johns Hopkins Hospital
Management Exchange Program for Chinese Healthcare Professionals
- 2017 Lecturer, "Islet Autotransplantation," Johns Hopkins Chinese Executive Education Program
- 2018 Faculty, "Update on Clinical Guidelines for Diabetes", Philip Tumulty Topics in Clinical
Medicine Continuing Medical Education Course, Johns Hopkins University School of Medicine
- 2019 Faculty, "Meet the Professor", Philip Tumulty Topics in Clinical Medicine Continuing Medical
Education Course, Johns Hopkins University School of Medicine

National

- 2010 Faculty, Insulin Optimization: Refining Regimens to Improve Glycemic Control, ReachMD
XM radio (available at reachmd.com)
- 2011 Faculty, New and Emerging Therapies for Diabetes: Molecules, Mechanisms and Recent
Clinical Evidence, CardioCareLive (available at www.CardioCareLive.com)
- 2013 Course Director and Moderator, Optimizing Patient Outcomes: Sequencing Therapy in Type 2
Diabetes – Part 1: Lifestyle Modifications and First-line Agents, Johns Hopkins Diabetes
POC-IT Guide CME Program
- 2013 Course Director and Moderator, Optimizing Patient Outcomes: Sequencing Therapy in Type 2
Diabetes – Part 2: Managing Persistent Hyperglycemia, Johns Hopkins Diabetes POC-IT
Guide CME Program
- 2016 Course Director and Moderator, Confronting Barriers to Glycemic Control with New and
Emerging Insulin and Combination Therapies, American Diabetes Association's 76th Scientific
Sessions Corporate Symposium
- 2016 Lecturer, "Advances in Diabetes Treatment and Management", Texas Club of Internists Annual
Fall Meeting

International

- 2011 Faculty, Optimal Hypertension Targets in Diabetes – Revelations from Recent Clinical Research, Middle East Webcast, CME Universe
- 2016 Activity Director and Faculty, "Diabetologic: Logical solutions to acute and chronic complications in diabetes", India Primary Care Physicians, CME Universe
- 2019 Activity Director, "Optimized Rationale for Basal Insulin Therapy", DAP E-nnovative Solutions, India

Workshops/Seminars

National

- 6/12 Guide Audio Tour Moderator, "Epidemiology of Diabetes Treatment," American Diabetes Association's 72nd Scientific Sessions, San Diego, CA.
- 5/15 Session Moderator, "Glycemic Targets in the Older Adult with Diabetes - What is the Evidence?" American Geriatrics Society Annual Meeting, National Harbor MD.
- 6/15 Guided Audio Tour Moderator, "Diabetes and Aging—It's All the Rage!" American Diabetes Association 75th Scientific Sessions, Boston, MA.

Mentoring

Undergraduates/Graduate Students:

- 2012-2017 Laura Minang, BA, Student, Masters Program in Biotechnology, Johns Hopkins University
- 2017-2018 Rahul Sachdev, BA, Medical Student, Johns Hopkins University
- 2019-Present Elizabeth Liu, BA, Medical Student, Johns Hopkins University
- 2020-Present Jason Lee, BSc, MSc, Medical Student, Johns Hopkins University
- 2020-Present Bhavitha Kotha, BA, Medical Student, Johns Hopkins University

Post-graduate School Trainees:

- 2015-2017 Brian Buta, MHS, Research Program Manager, Johns Hopkins University

Residents:

- 2011-2015 Bryan Ward, MD, Assistant Professor of Otolaryngology, Johns Hopkins School of Medicine
- 2018-2019 Robert Derenbecker, MD, Internal Medicine Resident, Johns Hopkins School of Medicine

Post-Doctoral Fellows:

- 2011-2014 Mark Corriere, MD, FACP, Endocrinologist, Maryland Endocrine Associates, Columbia, MD
- 2012-2013 Sherley Abraham, MD, Assistant Professor of Medicine, Endocrinology, Diabetes, and Bone Disease, Mount Sinai Hospital, New York, NY
- 2012-2015 Nira Roopnarinesingh, MBBS, Endocrinologist, Bayhealth Medical Center, Dover, DE
- 2014-2017 Michael Quartuccio, MD, Endocrinologist, Rochester Regional Health System, Rochester, NY
- 2016- 2018 Mohammed Al-Sofiani, MD, Assistant Professor of Medicine, King Saud University, Saudi Arabia
- 2018 Suneeta Ganji, MD, Endocrinologist, LSU Healthcare Network
- 2019-Present Noemi Malandrino, MD, Endocrinology Fellow, Johns Hopkins University

Faculty

- 2013-2018 Swaytha Yalamanchi, MD, Endocrinologist, Sutter Health, CA
- 2017-2020 Shabhina Ahmed, MD, Assistant Professor of Medicine, Johns Hopkins University
- 2019-Present Sudipa Sarkar, MD, MSCI, Assistant Professor of Medicine, Johns Hopkins University

Thesis committees

- 4/18/2016 Sheriza Baksh, Doctor of Philosophy Candidate in the Department of Epidemiology, Cardiovascular Safety of DPP-IV Inhibitors in Patients with Type 2 Diabetes Mellitus, Preliminary Oral Examination Committee
- 9/10/2018 Sheriza Baksh, Doctor of Philosophy Candidate in the Department of Epidemiology, Cardiovascular Safety of DPP-IV Inhibitors in Patients with Type 2 Diabetes Mellitus, Final Oral Examination Committee

Training Grant and Center Participation

7/1/12-Present Clinical Research and Epidemiology in Diabetes and Endocrinology
5 T32 DK062707
NIDDK/NIH
PI: Sherita Golden, MD, MHS
Role: Senior Endocrine Faculty

7/1/12-6/30/17 JHU-UMD Diabetes Research Training Center
5 P30 DK079637
NIDDK/NIH
PI: Mehboob Hussain, MD
Role: Associate Faculty

Educational Program Building/Leadership

Provider Education:

2010-Present Co-Founder and Editor-in-Chief, Johns Hopkins Diabetes Point of Care Information Technology (POC-IT) Guide (www.hopkinsguides.org)

2010-2014 Editor, The Johns Hopkins Diabetes Guide for Trinidad and Tobago.

2012-Present Director, Johns Hopkins Diabetes Guide Continuing Medical Education (CME) Programs
The programs that have already been launched include:

- "Sequencing Therapy in Type 2 Diabetes - Part 1: Lifestyle Modifications and First-Line Agents"
- "Sequencing Therapy in Type 2 Diabetes - Part 2: Managing Persistent Hyperglycemia";
- "Hypoglycemia Prevention and Treatment in Diabetes"
- "Pregnancy and Diabetes"
- "Postprandial Hyperglycemia"
- "Management of Persistent Hyperglycemia in Type 2 Diabetes Beyond Starting Doses of Basal Insulin - Part 1"
- "Management of Persistent Hyperglycemia in Type 2 Diabetes Beyond Starting Doses of Basal Insulin - Part 2"

These programs have together resulted in more than 5,000 CME certificates (each accredited for 1.5 AMA PRA Category 1 Credits) awarded to U.S. health care professionals.

Patient Education:

2012-2015 Editor, The Johns Hopkins Diabetes White Papers

2013-2014 Editor, The Johns Hopkins Diabetes Center – Patient Brochures for Diabetes

2015-Present Editor-in-Chief, The Johns Hopkins Patient Website for Diabetes (hopkinsdiabetesinfo.org)
**Digital Health Award, Silver Winner, Health Information Resource Center

RESEARCH ACTIVITIES

Research Focus

My core area of research addresses the area of diabetes and aging, particularly accelerated muscle loss and physical function disability in older adults with diabetes. My work in frailty includes studies of metabolic dysregulation in hormones of energy metabolism and the relationship to diabetes. I have also investigated sex differences in diabetes and its complications and sex differences in the attainment of independent research funding (i.e. R01 awards) among career development awardees. My studies in diabetes education have identified critical gaps in physicians' knowledge related to diabetes.

Research Program Building/Leadership

2015 Body Composition Working Group, The Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness (GRADE) Study.

2015-Present Director of the Metabolic Studies Unit, The GeneSTAR Research Center.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

2007-2014 Steering Committee, Diabetes Program, Trinidad and Tobago Health Sciences Initiative
2008-Present Department of Medicine's Task Force on Women's Academic Careers in Medicine
2009 Steering Committee, Diabetes Program, Kuwait-Johns Hopkins International Initiative
2009-2012 Steering Committee, Women's Health and Aging Study III
2010-Present Member, Endocrinology Fellowship Selection Committee, Johns Hopkins University
2010-Present Board Member, Johns Hopkins Point of Care Information Technology Center
2012-2013 Co-Chair, Research Committee, Department of Medicine Strategic Planning Retreat
2013 Member, Intern Selection Committee, Johns Hopkins Internal Medicine Residency Program
2013 Co-Chair, Annual Dinner, Johns Hopkins Department of Medicine's Task Force on Women's Academic Careers in Medicine
2015-2016 Search Committee, Division of Endocrinology, Diabetes, & Metabolism, Department of Medicine, Johns Hopkins University School of Medicine
2015 Co-Leader, Moving Frailty Into Clinical Practice Session, 2015 Retreat of the Johns Hopkins Older American Independence Center
2015-2016 Research Committee, Brancati Center for the Advancement of Community Care
2015-2016 Planning Committee, Department of Medicine Research Retreat
2016 Planning Committee, Annual Visiting Professorship in Diversity, Department of Medicine
2016 Faculty Diabetes Mentor, HCL India Collaboration, Johns Hopkins International

Other Organizational Activities

2016 Steering Committee, "Living Well With Diabetes" Patient Community Forum, Baltimore, MD
2017-Present Diabetes Working Group and Equity Task Force, Sustainable Health Communities, National Minority Quality Forum
2018-2019 Board of Directors, DiabetesSisters
2019 Program Coordinator, JHU Odyssey Program, "Mini-Med School: Diabetes Head to Toe"
2019-Present Medical Advisory Board, *Prevention* magazine

Editorial Activities

Editorial Board appointments

2014-2016 Editorial Board, Diabetes Care (Guest Editor, "Diabetes and Aging" Theme Issue, 04/17)
2019-Present Editorial Board, BMJ Open Diabetes Research & Care

Journal Reviewer (Ad-hoc)

2011-Present Diabetes Care
2012-Present Clinical Endocrinology
2013-Present Journal of Clinical Endocrinology and Metabolism
2013-Present Journal of Gerontology and Medical Sciences
2013-Present Canadian Medical Association Journal
2013-Present Journal of Evaluation in Clinical Practice
2013-Present JAMA Ophthalmology
2014-Present Diabetes and Vascular Disease Research
2015-Present JAMA
2015-Present BMJ Open Diabetes Research & Care
2016-Present New England Journal of Medicine
2018-Present Journal of Diabetes and Its Complications
2019-Present Journal of the American College of Cardiology
2019-Present Translational Research

Book Chapter Reviewer

2018 "Disability in Diabetes", Diabetes in America 3rd Edition, NIDDK, Bethesda, MD

Advisory Committees, Review Groups/Study Sections

Food and Drug Administration

2019 American Diabetes Association Delegate, Relevance of Non-Primary Endpoints in Clinical Trials, Case Discussion of Heart Failure Outcomes in Cardiovascular Outcome Trials (CVOTs) in Type 2 Diabetes Management (T2DM) Roundtable (Organized by the Heart Failure Collaboratory and FDA)

2019-Present Endocrinologic and Metabolic Drugs Advisory Committee (Temporary Voting Member 2019; Standing Committee Member 2020- Present)

National Institutes of Health

2015-2018 Data Safety Monitoring Board, NCATS 1UH3TR001372-01 (PI: Nick Giannoukakis, Ph.D) Anti- Inflammatory Small Drug as Adjunctive Therapy to Improve Glucometabolic Variables in Obese, Insulin-Resistant Type 2 Diabetic Patients

2016 Ad Hoc Reviewer, NIH-NIDDK, Diabetes, Endocrinology, and Metabolic Diseases B Subcommittee (DDK-B) Study Section

2020 Ad Hoc Reviewer, NIDDK Special Emphasis Panel (ZRG1 PSE F02), Member Conflict: Population Sciences and Epidemiology Special Emphasis Panel

Maryland Department of Health

2020-Present Appointed Member, State Advisory Council on Health and Wellness (appointed by the Maryland Secretary of Health, Robert R. Neall)

Patient-Centered Outcomes Research Institute

2016 American College of Physicians Delegate, Prioritizing Comparative Effectiveness Research for Second-Line Type 2 Diabetes Treatment Stakeholder Workshop

University of Michigan Center for Diabetes Translational Research

2018-2019 Grants Reviewer, Pilot and Feasibility Grants

Diabetes UK

2020 Grants Reviewer, RD Lawrence Fellowship

Netherlands Organisation for Health Research and Development

2020 Grants Reviewer, ZonMw Veni Programme

Johns Hopkins University

2019-Present Alzheimer's Disease Resource Center for Minority Aging Research Grants Reviewer, Pilot and Feasibility Grants

2019-Present Institute for Clinical and Translational Research BOOST awards, Grants Reviewer

2019-2020 Data Safety Monitoring Board, Time-Restricted Intake of Meals (PI: Nisa Maruthur)

Abstract Reviewer

2012 -2013 The Endocrine Society Annual Scientific Meeting

2012-2015 American Diabetes Association Annual Scientific Meeting

Professional Societies

2007-Present Member, American Diabetes Association

2009-Present Member, The Endocrine Society

2009-2015 Member, American Geriatrics Society

2010-2015 Member, Gerontology Society of America

2013-Present Fellow, The American College of Physicians

Professional Society Leadership Roles and Activities

2012-Present	American Diabetes Association
2006-Present	Step Out: Walk to Stop Diabetes--Baltimore Volunteer and Fundraiser
2012-2014	Epidemiology Sessions Planning Subcommittee for Annual ADA Scientific Sessions Meeting
2015-2017	ADA Professional Practice Committee (Co-Chair 2016; Chair 2017); responsible for the ADA's Annual Position Statement, "Standards of Medical Care in Diabetes" and overseeing all of the organization's clinical practice guidelines
2016-2017	Member, ADA Maryland Community Leadership Board of Directors
2018-Present	President, ADA Maryland Community Leadership Board of Directors
2018-2020	Organizing Committee, Baltimore Diabetes is Primary CME event
2019-2020	Therapeutics/New Technology Sessions Planning Subcommittee for Annual ADA Scientific Sessions Meeting
2014-Present	The Endocrine Society
2014-2015	The Endocrine Society's "Endocrine Facts and Figures Report", Diabetes Working Group
2016-2019	Research Affairs Core Committee
2016-2019	Primary Prevention of Cardiovascular Disease & T2D in Patients at Metabolic Risk Clinical Practice Guideline Task Force Writing Committee
2018	Endocrine Society's Research Hill Day
2018	Society Spokesperson, "Increasing Insulin Affordability: An Endocrine Society Position Statement"
2018-2019	Clinical Practice Guidelines Task Force
2019-Present	Clinical Guidelines Committee
2013-Present	American College of Physicians
2013-2016	American College of Physicians-Net Diabetes and CVD Risk Factor Steering Group, "Improving the Quality of Diabetes Care: An ACP MedConcert Pilot"
2015-2016	ACP Virginia Commonwealth University Diabetes Advisory Group
2016-2018	Scientific Program Committee, American College of Physicians Internal Medicine Annual Meeting
2019	ACP Advisory Group, "Addressing Adult Immunization and Chronic Disease Management to Improve Population Health"
2016-Present	American College of Cardiology
2017-2020	ACC Expert Consensus Decision Pathway on Managing CV Disease Risk in Patients with T2DM Writing Committee
2017	Delegate, Managing CVD Risk in Diabetes Roundtable
2017	Delegate, LDL: Address the Risk Think Tank
2017-2018	American Geriatrics Society
2017-2018	Subspecialties Liaison to the American Diabetes Association

Conference Organizer, Session Chair

National

6/12	Session Co-Chair, "Epidemiology of Geriatric Conditions in the Elderly with Diabetes--An Emerging Public Health Burden," American Diabetes Association's 72 nd Scientific Sessions, San Diego, CA.
6/13	Session Co-Chair, "Metabolically Healthy Obesity (MHO) and Metabolically Obese Normal Weight (MONW)--New Insights and Advances," American Diabetes Association's 73 rd Scientific Sessions, Chicago, IL.
6/14	Session Co-Chair, "Interventions for medication adherence in diabetes: Lessons learned, successes & failures," American Diabetes Association's 74 th Scientific Sessions, San Francisco, CA.

- 6/15 Session Chair, "Diabetes and Cognitive Dysfunction—From Bench to Bedside," American Diabetes Association 75th Scientific Sessions, Boston, MA.
- 6/16 Symposium Chair, "Confronting Barriers to Glycemic Control with New and Emerging Insulin and Combination Therapies", American Diabetes Association 76th Scientific Sessions, New Orleans, Louisiana
- 6/18 Session Chair, "New-Onset Type 2 Diabetes in the Youngest and the Oldest", American Diabetes Association 78th Scientific Sessions, Orlando, Florida
- 12/18 Conference Planning Committee, American College of Cardiology Managing CVD Risk in Diabetes Conference, Washington, DC.
- 6/19 Session Co-Chair, " Joint ADA/ACC Symposium—Cardiovascular Disease in Patients with Diabetes", American Diabetes Association 79th Scientific Sessions, San Francisco, CA

International

- 9/11 Conference Planning Committee Co-Chair, Trinidad and Tobago Health Sciences Initiative Cardiovascular Diseases and Diabetes Quarterly Conference, Port-of-Spain, Trinidad.
- 10/16 Session Co-Chair, "Interactive Case Discussions in Diabetes," EndoBridge 2016 Conference (sponsored by The Endocrine Society, European Society of Endocrinology, and The Society of Endocrinology and Metabolism of Turkey), Antalya, Turkey

RECOGNITION

Awards and Honors

- 1999 Magna Cum Laude with Highest Honors, Harvard College
- 2002 American Academy of Neurology Medical Student Summer Research Scholarship
- 2002 Infectious Diseases Society of America Summer Scholarships for Medical Students
- 2002 Edith Seville Coale Medical Scholarship, Zonta Club of Washington DC
- 2003 Sol Goldman Award for Excellence in Geriatric Medicine
- 2003 Harold Lampert Biomedical Research Prize
- 2003 Maryland Higher Education Commission Senatorial and Delegate Scholarships
- 2003 Travel Fellowship, Conference on Retroviruses and Opportunistic Infections
- 2008 Travel Fellowship, Endocrine Trainee Day, Endocrine Society
- 2009 Finalist, Clinical Research Fellow Award, Johns Hopkins Department of Medicine Retreat
- 2010 Inductee, Delta Omega public health academic honor society
- 2013 Fellow of the American College of Physicians
- 2013 Emerging Women’s Leadership Program, Johns Hopkins University School of Medicine
- 2013 Super Doctors Washington, DC-Baltimore-Northern Virginia Rising Stars, Washington Post Magazine
- 2014 Outstanding Recent Graduate Award, Johns Hopkins University Alumni Association
- 2017 Named as one of the "Top 100 Women in Maryland," The Maryland Daily Record
- 2018 Castle Connolly Top Regional Doctor in Endocrinology, Diabetes & Metabolism
- 2019 Leadership Program for Women Faculty, Johns Hopkins University School of Medicine
- 2019 Castle Connolly’s Exceptional Women in Medicine for 2019

Invited Talks

JHMI/Regional

- 5/12 Speaker, "Medical Management of Type 2 Diabetes," Department of Internal Medicine Grand Rounds, Harbor Hospital, Baltimore MD.
- 9/14 Speaker, "Diabetes, Physical Disability, and Frailty," University of Maryland Endocrine Grand Rounds, Baltimore MD.
- 5/17 Speaker, "Diabetes Management - What's New in 2017?" Prince George’s Hospital Center Medicine Grand Rounds, Cheverly, MD.
- 4/18 Speaker, "Diabetes and Exercise," Exercise as Medicine Symposium, Johns Hopkins Center for Dynamic Health, Baltimore, MD.
- 9/19 Speaker, "Cardiovascular Risk Reduction in Diabetes: What’s New in 2019?," Suburban Hospital

- Annual Diabetes Symposium, Bethesda, MD
- 10/19 Speaker, Johns Hopkins University Odyssey Program, “An Overview of Diabetes and Its Global Impact”
- 01/20 Speaker, “What’s New for Cardiovascular Risk Reduction in Diabetes”, ACP Maryland Chapter Annual Meeting, Baltimore, MD

National

- 1/14 Speaker, "Diabetes and the Pathway to Disability," Temple University School of Medicine Endocrinology Grand Rounds, Philadelphia, PA.
- 3/14 Speaker, "Improving Quality of Care for Patients with Diabetes," New York Chapter ACP's Annual Scientific Meeting, Buffalo NY.
- 9/14 Speaker, "Diabetes, Physical Functioning, and Disability," Yale University School of Medicine Endocrinology Grand Rounds, New Haven, CT.
- 10/14 Speaker, "Diabetes, Muscle Loss, and Disability in Older Adults," University of Michigan Geriatrics Research Core Development Conference, Ann Arbor, MI.
- 10/14 Speaker, "Gender Differences in Diabetes and Coronary Heart Disease," University of Michigan School of Public Health, Center for Integrated Approaches to Complex Diseases (CIACD) Research Seminar, Ann Arbor, MI.
- 10/14 Speaker, "Novel interventions for frailty: the use of hormone-based therapies in clinical trials," Fifth Annual Robert and Arlene Kogod Center on Aging Conference, Mayo Clinic, Rochester, MN.
- 12/14 Speaker, "Physical Functioning and Muscle Loss in Diabetes," University of Pennsylvania School of Medicine Endocrinology Grand Rounds, Philadelphia, PA.
- 2/15 Speaker, "Quality of Care Measures in Diabetes," New York Chapter ACP’s Annual Scientific Meeting, West Harrison, NY.
- 5/15 Speaker, "Glycemic Outcomes of Islet Auto Transplantation," Brown University School of Medicine Endocrinology Grand Rounds, Providence, RI.
- 5/15 Speaker, "Diabetes and Aging," Rhode Island Diabetes & Endocrine Society (RIDES), Providence, RI.
- 5/15 Speaker, "Unique Considerations of Diabetes in the Elderly," American Geriatrics Society Annual Scientific Meeting, National Harbor, MD.
- 10/15 Plenary Speaker, "Diabetes/Obesity, Exercise --muscle function," 6th International Workshop on HIV & Aging, Washington, DC.
- 02/17 Speaker, “Update on 2017 American Diabetes Association’s Standards of Medical Care in Diabetes,” American Diabetes Association’s 64th Advanced Postgraduate Course, Washington, DC.
- 03/17 Speaker, “Update on the ADA Standards of Medical Care in Diabetes,” Sustainable Healthy Communities, Diabetes Index Roundtable, Boca Raton, FL.
- 03/17 Speaker, “An International Perspective on the Management of Diabetes and Obesity,” American College of Physicians Internal Medicine Meeting 2017, San Diego, CA.
- 12/17 Speaker, "The Comprehensive Diabetes Care Team: An Endocrinologist's Perspective", American College of Cardiology/New York Cardiovascular Society's Pre-Conference Symposium, New York, NY.
- 4/18 Speaker, “Engaging Patients with Diabetes Facing Many Challenges and Costs”, National Minority Quality Forum Annual Leadership Summit, Washington, DC.
- 4/18 Speaker, “Managing Diabetes in Older Adults: An Overview,” American College of Physicians Internal Medicine Meeting 2017, San Diego, CA.
- 6/18 Speaker, "Aspirin for Primary Cardiovascular Risk Intervention—What’s the Evidence in Patients with Diabetes?", American Diabetes Association 78th Scientific Sessions, Orlando, Florida
- 7/18 Speaker, “2018--Standards of Medical Care in Diabetes: American Diabetes Association Diabetes INSIDE Program”, Tulane University Medical Grand Rounds, New Orleans, LA
- 11/18 Speaker, “Practical Strategies for Total Risk Reduction: Collaboration Between Cardiologists and Diabetologists,” American Heart Association’s Scientific Sessions 2018, Chicago,

- Illinois.
- 11/18 Speaker, "What's New in the ADA's Standards of Care? American Diabetes Association's Diabetes is Primary Conference, Baltimore, MD.
- 12/18 Speaker, "Bridging the Gap Between Research and Practice: Prioritizing New Pharmacological Therapies for CVD and T2D Care," American College of Cardiology Managing CV Disease Risk in Diabetes Heart House Roundtable Meeting, Washington, DC.
- 01/19 Speaker, "Cardiovascular Risk Reduction in Diabetes", YALE-TCC Collaborative Learning Work Group Webinar Series on Nutrition and Non-Communicable Diseases in the Caribbean, New Haven, CT.
- 02/19 Speaker, "What's in a Guideline? Guidelines from AACE, ACP, Endocrine Society and ADA", American Diabetes Association's 66th Advanced Postgraduate Course, New York, NY.
- 05/19 Speaker, "Sex differences in racial and ethnic factors in cardiovascular disease associated with T2D", Organization for the Study of Sex Differences Annual Meeting, Washington, DC.
- 07/19 Speaker, "Should We Be More Aggressive in the Management of Elevated Triglycerides in Patients with Diabetes & Cardiovascular Disease?" Puerto Rican Society of Cardiology XXVI Puerto Rican Congress of Cardiology, San Juan, Puerto Rico.
- 11/19 Speaker, "Working your Way through ADA's Type 2 Diabetes Treatment Algorithm", American Diabetes Association's Diabetes is Primary Conference, Baltimore, MD.
- 11/19 Speaker, "Opportunities for Geroscience Research in Diabetes: Perspectives from the American Diabetes Association", NIH Geroscience Interest Group Summit III: Targeting Chronic Diseases Through Geroscience, Bethesda, MD.
- 11/19 Speaker, "Diabetes and Cardiovascular Disease: A Global Epidemic", American Heart Association Scientific Sessions, Philadelphia, PA
- 06/20 Speaker, "Primary Prevention of ASCVD and T2DM in Patients at Metabolic Risk: An Endocrine Society Clinical Practice Guideline", Endocrine Society Annual Meeting ENDO 2020 (virtual meeting)
- 09/20 Speaker, "Meet the Professor: Inpatient Diabetes Management", Endocrine Society's Clinical Endocrinology Update 2020 (virtual meeting)
- 09/20 Speaker, "Master Clinician: Implementing Current Guidelines for T2D", Endocrine Society's Clinical Endocrinology Update 2020 (virtual meeting)

International

- 6/11 Speaker, "Recent Updates in Diabetes Care," Diabetes Association of Trinidad and Tobago Annual Conference, Port-of-Spain, Trinidad.
- 9/11 Speaker, "Prevention of Cardiovascular Diseases in Diabetes," Trinidad and Tobago Health Sciences Initiative Cardiovascular Diseases and Diabetes Quarterly Conference, Port-of-Spain, Trinidad.
- 7/12 Speaker, "Novel Pharmacological Therapies in Type 2 Diabetes," Al-Adan Hospital Grand Rounds, Kuwait City, Kuwait.
- 10/16 Speaker, "Management of Hyperglycemia and Cardiovascular Disease in Type 2 Diabetes," EndoBridge 2016 Conference (sponsored by The Endocrine Society, European Society of Endocrinology, and Society of Endocrinology and Metabolism of Turkey), Antalya, Turkey.
- 11/16 Speaker, "Pancreatic Islet Transplantation," All India Institute of Medical Sciences, New Delhi, India.
- 11/17 Speaker, "What's new in the Standards of Medical Care in Diabetes-2017," Spanish Society of Diabetes, Madrid, Spain.
- 10/18 Speaker, "Diabetes Management in Older Adults: The Debate Continues," 5th Qatar Internal Medicine Conference (sponsored by the American College of Physicians and Hamad Medical Corporation), Doha, Qatar.
- 10/18 Speaker, "Management of Cardiovascular Risk Factors in Diabetes," 5th Qatar Internal Medicine Conference (sponsored by the American College of Physicians and Hamad Medical Corporation), Doha, Qatar.
- 11/18 Speaker, "Diabetes in Older Adults: A Unique Paradigm", University of Toronto Endocrinology Grand Rounds, Toronto, Canada.