

SHAODONG GUO

PROFESSOR | PRESIDENTIAL IMPACT FELLOW

DEPARTMENT OF NUTRITION | TEXAS A&M UNIVERSITY

373 OLSEN BLVD., 123A CATER-MATTIL HALL; 2253 TAMU| COLLEGE STATION, TX 77843

TEL: 979.845.0850 | FAX: 979.458.3129 | EMAIL: SHAODONG.GUO@AG.TAMU.EDU

EDUCATION/TRAINING

Postdoc	
Harvard Medical School, Harvard University, Boston, MA	2006
Department of Medicine, The University of Illinois at Chicago (UIC), Chicago	2001
Institute of Genetics and Developmental Biology, Chinese Academy of Sciences	1997
PhD. Physiology, Peking University, Beijing, China	1995
MS Biochemistry & Physiology, Huazhong Agricultural University, Wuhan, China	1992
BS Agronomy, Huazhong Agricultural University, Wuhan, China.	1989

POSITIONS & EMPLOYMENT

Professor, Department of Nutrition, Texas A&M University, College Station, Texas	2022
Associate Professor, Department of Nutrition, Texas A&M University, College Station, TX	2016
Associate Professor, Department of Medicine, Tenure, Texas A&M University, Temple, TX	2015
Assistant Professor, Department of Medicine, Texas A&M University, Temple, Texas	2009
Instructor in Medicine, Harvard Medical School, Harvard University, Boston	2007

OTHER POSITIONS AND PROFESSIONAL MEMBERSHIP

Editorial Board, Diabetes	2020- Pres.
Senior Editor, Journal of Endocrinology	2012- 2019
Senior Editor, Journal of Molecular Endocrinology	2012- 2019

HONORS AND AWARDS

Dean's Outstanding Achievement Award for Research, College of Agriculture and Life Sciences	
Texas A&M University, College Station, Texas	2022
Presidential Impact Fellow, Texas A&M University, College Station, Texas	2021
Distinguished Reviewer Award from the American Diabetes Association	2019
American Diabetes Association Research Excellence Thomas R Lee Award	2015
American Diabetes Association Career Development Award	2015
American Diabetes Association Junior Faculty Award	2007
Young Investigator Award, National Natural Science Foundation of China	1997
American 81 st Annual Meeting of Endocrine Society Competitive Travel Award	1999

SELECTED PUBLICATIONS

1. **Guo S**, Copps K, Dong X, Park S, Cheng Z, Poci A, Rossetti L, Sajan M, Farese R, White MF. Irs1-branch of the insulin signaling cascade plays a dominant role in hepatic nutrient homeostasis. *Molecular and Cellular Biology* 29(18):5070-5083, 2009.
2. Cheng Z, **Guo S**, Copps K, Dong X, Kollipara R, Rodgers J, Depinho R, Puigserver P, White MF. Foxo1 integrates insulin signaling with mitochondrial function in the liver. *Nature Medicine* 15(11):1307-1311, 2009.
3. Messmer-Blust AF, Philbrick MJ, Guo S, Wu J, He P, **Guo S**, Li J. RTEF-1 Attenuates Blood Glucose Levels by Regulating Insulin-Like Growth Factor Binding Protein-1 in the Endothelium. *Circulation Research* 111:991-1001, 2012.
4. Zhang, K*, Li L*, Qi Y*, Zhu X*, Gan B, DePinho R, Averitt T, **Guo S. (corresponding author)** Hepatic Suppression of Foxo1 and Foxo3 Causes Hypoglycemia and Hyperlipidemia in Mice. For editorial preview see page 549-510. *Endocrinology* 153 (2): 631-646, 2012.
5. Qi Y*, Zhu Q*, Xu Z*, Thomas C, Kumar R, Feng H*, Dostal D, White MF, Baker K, **Guo S. (corresponding author)** Myocardial Loss of IRS1 and IRS2 Causes Heart Failure and is Controlled by p38 α MAPK During Insulin Resistance. For editorial highlights see page 3646. (Highlighted on Faculty of 1000). *Diabetes* 62:3887-3900, 2013.

6. Ma J, Zhang L, Tipton AR, Wu J, Qi Y*, Messmer-Blust A, Philbrick M, Liu ST, Liu H, Li J, **Guo S. (corresponding author)** Structural and Functional Analysis of the Related Transcriptional Enhancer Factor-1 (RTEF-1) and Nuclear Factor Kappa B (NF- κ B) Interaction. *American Journal of Physiology-Heart and Circulatory Physiology* 306: H233-H242, 2014.
7. Zhang L, He S, **Guo S**, Xie W, Xin R, Yu H, Yang F, Qiu J, Zhang D, Zhou S, Zhang K*. Down-regulation of miR-34a alleviates mesangial proliferation in vitro and glomerular hypertrophy in early diabetic nephropathy mice by targeting GAS1. *Journal of Diabetes and its Complications* 28(3):259-64, 2014.
8. Ryu J, Galan AK, Xin X, Dong F, Abdul-Ghani MA, Zhou L, Wang C, Li C, Holmes BM, Sloane LB, Austad SN, **Guo S**, Musi N, Defronzo RA, Deng C, White MF, Liu F, Dong LQ. APPL1 Potentiates Insulin Sensitivity by Facilitating the Binding of IRS1/2 to the Insulin Receptor. *Cell Report* 2014, 7(4):1227-38.
9. Qi, Y*, Zhang, K*, Xu, Z*, Yong, Q, Wu, Y*, Kumar, R, Baker, K, Zhu, Q*, Chen, S*, **Guo, S. (corresponding author)** Novel Mechanism of Blood Pressure Regulation by Foxo1-Mediated Transcriptional Control of Hepatic Angiotensinogen. *Hypertension* 2014, 64 (5): 1131-1140.
10. Qi, Y*, Zhu, Q*, Qi, Y*, Zhang, K*, Thomas, C, Wu, Y, Kumar, R, Baker, K, Xu, Z*, Chen, S*, **Guo, S. (corresponding author)** Activation of Foxo1 by Insulin Resistance Promotes Cardiac Dysfunction and β -Myosin Heavy Chain Gene Expression. *Circulation: Heart Failure* (8):198-208, 2015.
11. Xie, W, Wang, L, Dai, Q, Qi, Y*, Hu, F, **Guo, S (corresponding author)**, Zhang, K. (**corresponding author**) Activation of AMPK Restricts Coxsackievirus B3 Replication by Inhibiting Lipid Accumulation. *Journal of Molecular and Cellular Cardiology* 85:155-167, 2015. *co-corresponding author.
12. Drosatos, K, Pollak, M, Pol, C, Ntziachristos, P, Willecke, F, Valenti, M, Trent, C, Hu, Y, **Guo, S**, Aifantis, I, Goldberg, I. Cardiac Myocyte KLF5 Regulates *Ppara* Expression and Cardiac Function. *Circulation Research* 2016 (118):241-253.
13. Xiang J, Wang H, Ma C, Zhou M, Wu Y*, Wang L, **Guo S**, Chen T, Shaw C. Ex Vivo Smooth Muscle Pharmacological Effects of a Novel Bradykinin-Related Peptide, and Its Analogue, from Chinese Large Odorous Frog, *Odorrana livida* Skin Secretions. *Toxins (Basel)*. 2016, 8(10). pii: E283.
14. Wang M, Luo L, Yao L, Wang C, Jiang K, Liu X, Xu M, Shen N, **Guo S**, Sun C, Yang Y. Salidroside improves glucose homeostasis in obese mice by repressing inflammation in white adipose tissues and improving leptin sensitivity in hypothalamus. *Scientific Report* 2016, 6:25399.
15. Wu Y*, Long Q, Xu Y, **Guo S**, Chen T, Wang L, Zhou M, Zhang Y, Shaw C, Walker B. A Structural and Functional Analogue of a Bowman Birk-type Protease Inhibitor from *Odorrana schmackeri*. *Biosci Rep*. 2017, pii: BSR20160593. doi: 10.1042/BSR20160593.
16. Pradhan G, Wu CS, Han Lee J, Kanikarla P, **Guo S**, Yechoor VK, Samson SL, Sun Y. Obestatin stimulates glucose-induced insulin secretion through ghrelin receptor GHS-R. *Scientific Report*. 2017, 20;7(1):979. doi: 10.1038/s41598-017-00888-0.
17. Wu CS, Bongmba OYN, Yue J, Lee JH, Lin L, Saito K, Pradhan G, Li DP, Pan HL, Xu A, **Guo S**, Xu Y, Sun Y. Suppression of GHS-R in AgRP Neurons Mitigates Diet-Induced Obesity by Activating Thermogenesis *Int J Mol Sci*. 2017, 18(4). pii: E832. doi: 10.3390/ijms18040832.
18. Ganugula R, Arora M, Jaisamut P, Wiwattanapatapee R, Jørgensen HG, Venkatpurwar VP, Zhou B, Rodrigues Hoffmann A, Basu R, **Guo S**, Ravi Kumar MNV Nano-curcumin safely prevents streptozotocin-induced inflammation and apoptosis in pancreatic β -cells for effective management of type 1 diabetes mellitus. *Br J Pharmacology* 174 (13):2074-2084, 2017.
19. Cao J, Peng J, An H, He Q, Boronina T, **Guo S**, White MF, Cole PA, He L. Endotoxemia-mediated activation of acetyltransferase P300 impairs insulin signaling in obesity. *Nature Communication* 2017, 8(1):131. doi: 10.1038/s41467-017-00163.
20. Long M, Cai L, Li W, Zhang L, **Guo S**, Zhang R, Zheng Y, Liu X, Wang M, Zhou X, Wang H, Li X, Li L, Zhu Z, Yang G, Zheng H. DPP-4 Inhibitors Improve Diabetic Wound Healing via Direct and Indirect Promotion of Epithelial-Mesenchymal Transition and Reduction of Scarring. *Diabetes* 67 (3): 518-531, 2018.
21. Cai Y, Li H, Liu M, Pei Y, Zheng J, Zhou J, Luo X, Huang W, Ma L, Yang Q, **Guo S**, Xiao X, Li Q, Zeng T, Meng F, Francis H, Glaser S, Chen L, Huo Y, Alpini G, Wu C. Disruption of Adenosine 2A Receptor Exacerbates NAFLD through Increasing Inflammatory Responses and SREBP1c Activity. *Hepatology* 2018, 68 (1): 48-61.
22. Zhang H, Shi JH, Jiang H, Wang K, Lu JY, Jiang X, Ma X, Chen YX, Ren AJ, Zheng J, Xie Z, **Guo S**, Xu X, Zhang W. ZBTB20 regulates EGFR expression and hepatocyte proliferation in mouse liver regeneration. *Cell Death Disease* 2018, 9(5):462. doi: 10.1038/s41419-018-051

23. Chen J, Zhong L, Wu J, Sui Ke, Morpurgo B, Golovko A, Ouyang N, Sun Y, **Guo S**, Y Tian. A Murine Pancreatic Islet Cell-based Screening for Diabetogenic Environmental Chemicals. *Journal of Visualized Experiments* (JoVE). 2018, e57327: 1-7
24. Wu Y, Pan Q(**Ph D student, co-first author**), Yan H, Zhang K, Guo X, Xu Z, Yang W(**Ph D student**), Qi Y, Guo CA(**Undergraduate student**), Hornsby C (**Undergraduate student**), Zhang L, Zhou A, Li L, Chen Y, Zhang W, Sun Y, Zheng H, Wondisford F, He L, **Guo S. (corresponding author)** Novel Mechanism of Foxo1 Phosphorylation in Glucagon Signaling in Control of Glucose Homeostasis. *Diabetes* 2018, 67(11):2167-2182. doi: 10.2337/db18-0674.
25. Fang C, Xu H*, **Guo S**, Mertens-Talcott SU, Sun Y. Ghrelin Signaling in Immunometabolism and Inflamm-Aging. *Adv Exp Med Biol*. 2018, 1090:165-182. doi: 10.1007/978-981-13-1286-1_9.
26. Wu CS, Wei Q, Wang H, Kim DM, Balderas M, Wu G, Lawler J, Safe S, **Guo S**, Devaraj S, Chen Z, Sun Y. Protective effects of ghrelin on fasting-induced muscle atrophy in aging mice. *J Gerontol*. 2018, doi: 10.1093/gerona/gly256. [Epub ahead of print].
27. Yan H*, Zhou F*, Yang W(**Ph D student**), Li X(**Ph D student**), Pan Q(**Ph D student**), Shen Z(**Ph D student**), Han G, Newell-Fugate A, Wu C, Majeti R, Xu Y, Tian Y, Allred K, Allred C, Sun Y, **Guo S. (corresponding author)** Estrogen improves insulin sensitivity and suppresses gluconeogenesis via the transcription factor Foxo1. *Diabetes* 2019, 68:291-304. doi: 10.2337/db18-0638.
28. Li X (**Ph D student**), Chen Y(**Ph D student**), Shen Z(**Ph D student**), Pan Q(**Ph D student**), Yang W(**Ph D student**), Yan H*, Liu H, Ai W(**Ph D student**), Liao, W*, **Guo, S. (corresponding author)** Epigallocatechin gallate inhibits hepatic glucose production in primary hepatocytes via downregulating PKA signaling pathway and transcriptional factor FoxO1. *Journal of Agriculture and Food Chemistry* 2019, 67(13):3651-3661.
29. Zhang K*, Yan H*, Wu Y*, Pan Q (**Ph D student**), Shen Z(**Ph D student**), Li X(**Ph D student**), Chen Y (**Ph D student**), Li L*, Qi Y*, Xu Z*, Xie W, Zhang W, Threadgill D, He L, Villarreal D, Sun Y, White M, Zheng H, **Guo, S. (corresponding author)** Phosphorylation of forkhead protein FoxO1 at Ser 253 regulates glucose homeostasis in mice. *Endocrinology* 2019, 160 (5): 1333-1347.
30. Yang W (**Ph D student**), Yan H*, Pan Q (**Ph D student**), Shen, Z (**Ph D student**), Zhou, F*, Wu, C, Sun, Y, **Guo, S. (corresponding author)** Glucagon regulates hepatic mitochondrial function and biogenesis through Foxo1. *Journal of Endocrinology* 2019, 241: 265-278.
31. Liu H*, Liu M, Jin Z, Yaqoob S, Zheng M, Cai D, Liu J, **Guo, S. (corresponding author)** Ginsenoside Rg2 inhibits adipogenesis in 3T3-L1 preadipocytes and suppresses obesity in high-fat-diet-induced obese mice through the AMPK pathway. *Food & Function*. 2019 Jun 19;10(6):3603-3614.
32. Y Wang, H An, T Liu, C Qin, H Sesaki, **S Guo**, S Radovick, M Hussain, L He. Metformin Improves Mitochondrial Respiratory Activity through Activation of AMPK, *Cell reports* 29 (6), 1511-1523
33. D Villarreal, G Pradhan, CS Wu, CD Allred, **S Guo**, Y Sun. A Simple High Efficiency Protocol for Pancreatic Islet Isolation from Mice. *JoVE (Journal of Visualized Experiments)*, e57048.2019.
34. Liao X, Song L, Zeng B, Liu B, Qiu Y, Qu H, Zheng Y, Long M, Zhou H, Wang Y, Du Y, Xu J, Shen R, Tong Q, Cai L, Li X, **Guo S**, Yang G, Zhu Z, Pu X, Wei H, Zheng H. Alteration of gut microbiota induced by DPP-4i treatment improves glucose homeostasis. *EBioMedicine* 2019 Jun; 44: 665-674.
35. Li X, Chan LWC, Li X, Liu C, Yang G, Gao J, Dai M, Wang Y, Xie Z, Liu J, Zhou F, Zheng T, Feng D, **Guo S**, Li H, Sun K, Yang S. Obesity-Induced Regulator of Calcineurin 1 Overexpression Leads to β -Cell Failure Through Mitophagy Pathway Inhibition. *Antioxid Redox Signal*. 2020 1;32(7):413-428.
36. Wu C, Wei Q, Wang H, Kim D, Balderas M, Wu G, Lawler J, Safe S, **Guo S**, Devaraj S, Chen Z, Sun S. Protective Effects of Ghrelin on Fasting-Induced Muscle Atrophy in Aging Mice. *Journals of Gerontology* 75 (4)-621–630, 2020
37. Liao W*, Yang W(**Ph D student**), Shen Z(**Ph D student**), Ai W(**Ph D student**), Pan Q (**Ph D student**), Sun Y, **Guo S. (corresponding author)** Heme Oxygenase-1 Regulates Ferrous Iron and Foxo1 in Control of Hepatic Gluconeogenesis. *Diabetes* 2021, 70: 696-709.
38. Zhao L, Li P, Dai Y, Deng J, Shan M, Chen B, Zhang K*, **Guo S**, Xu Z*. Mibefradil Alleviates High-Glucose–induced Cardiac Hypertrophy by Inhibiting PI3K/Akt/mTOR-mediated Autophagy. *Journal of cardiovascular pharmacology* 2021, 76 (2): 246-254
39. Lee JH, Lin L, Ye X, Wolfrum C, Chen Y, **Guo S**, Sun Y. GHS-R in brown fat potentiates differential thermogenic responses under metabolic and thermal stresses. *Plos One*, 2021, 16 (4), e0249420
40. X Guo*, X Li *(**Ph.D. student**), W Yang* (postdoc), W Liao (postdoc), J Zheng Shen (**Ph.D. student**), W Ai (**Ph.D. student**), Q Pan (postdoc), Y Sun, K Zhang, R Zhang, Y Qiu, Q Dai, H Zheng, **S Guo**. Metformin Targets Foxo1 to Control Glucose Homeostasis, *Biomolecules*, 2021 (11)-6: 873-884.

41. Yan H, Yang W (*Ph. D student*), Zhou F, Pan Q (*Ph.D.student*), Allred K, Allred C, Sun Y, Threadgill D, Dostal D, Tong C, Guo S. Estrogen Protects Cardiac Function and Energy Metabolism in Dilated Cardiomyopathy Induced by Loss of Cardiac IRS1 and IRS2. **Circulation: Heart Failure**, 2022 (10) 1-15.

REVIEW AND TEXTBOOK

1. **Guo S. (corresponding author)** Insulin Signaling, Resistance, and the Metabolic Syndrome: Insights from mouse models to disease mechanisms. *J. Endocrinology* 2014, 220(2): T1-23.
2. Guo CA (*Undergraduate Student*), **Guo S. (corresponding author)** Insulin receptor substrate signaling controls cardiac energy metabolism and heart failure. **Journal of Endocrinology** 2017, (233): R131-R143.
3. Xu H*, Li X., Adams, H., Kubena, K, **Guo, S. (corresponding author)** Etiology of Metabolic Syndrome and Dietary Intervention. **International Journal of Molecular Sciences** 2019, 20, 128:1-19.
4. Qi Y*, Guo X, and Guo S. (2016) Insulin Resistance in Obesity. In: *Metabolic Syndrome: A Comprehensive Textbook*, pages 479-504, 1st edition, edited by Rexford Ahima. Springer International Publishing, ISBN 97831911250-3, Switzerland.
5. Shen Z (*Ph D student*), Wu G, and **Guo S** (2021) Amino Acids in Autophagy: Regulation and Function. In: *Amino Acids in Nutrition and Health*, pages 51-66, edited by G. Wu. Springer Nature, Switzerland.
6. **Guo S** and Wu C (2018) *Nutrition and Metabolic Diseases*, the 1st edition, edited by **Guo S** and Wu C. Marsland Press, ISBN 159964079-1, New York, USA.

Other Links:

<https://scholar.google.com/citations?user=GAhC4NoAAAAJ&hl=en>;

https://en.wikipedia.org/wiki/Shaocong_Guo

<https://nutrition.tamu.edu/people/guo-shaocong/>

SUPPORT OF RESEARCH

Current				
R01 DK124588	(Maestro ID 2201171)	Guo (PI)	12/01/2021-11/30/2025	\$2,039,637
National Institutes of Health/NIDDK				
Hepatic TGFbeta1 in Control of Type2 Diabetes Mellitus and NASH via Foxo1 Signaling				
This project investigates the role of hepatokine TGFbeta1 in diabetes and liver function of mice.				
R01 DK120968	(Maestro ID 2000189)	Guo (PI)	06/01/2019-05/31/2023	\$ 1,440,932
National Institutes of Health/NIDDK				
Targeting Insulin Resistance by Estrogen Receptor in Control of Type 2 Diabetes				
R01 AG064869	(Maestro ID1903099)	PI (Sun)	07/01/2019-6/30/2024	\$1,548,722
National Institutes of Health/NIA				
Nutrient-sensing GHS-R in macrophage reprogramming and inflammaging				
Role: Co-Investigator (8%)				
R01 DK118334-01A1	(Maestro ID 1902294)	PI (Sun)	07/01/2019-06/30/2023	\$1,248,677
National Institutes of Health/NIDDK				
The role of GHS-R in Macrophage Reprogramming During Meta-Inflammation				
Role: Co-Investigator (8%)				
Past				
1-15-CD-09 Career Development Award		Guo (PI)	09/01/2015-08/31/2020	\$ 912,500
American Diabetes Association (ADA)				
Control of Liver Fibrosis and Failure by Insulin Resistance via Forkhead Signaling				
R01 DK095118	(M1200454)	Guo (PI)	05/01/2012-04/30/2017	\$1,593,190
National Institutes of Health (NIH)/NIDDK				
Transcriptional Regulation of Metabolic and Hepatic Homeostasis by FoxO Signaling				
BGIA7880040	Beginning Grant-in-Aid, Guo (PI)		07/01/2011-06/30/2013	\$140,000
American Heart Association (AHA)				
Forkhead signaling in control of renin-angiotensin system in diabetic cardiomyopathy				
JF-7-07-27 Junior Faculty Award		Guo (PI)	07/01/2007-06/30/2010	\$414,000
American Diabetes Association (ADA)				
Transcriptional Regulation of Nutrient Homeostasis by Forkhead Signaling in the Liver				

TEACHING

Nutrition and Physiological Chemistry (NUTR475, 3 credits), every spring semester since 2016

Nutrition in Disease (NUTR632, 3 credits, every fall semester since 2016

Nutrition Seminar (NUTR481); Research (NUTR491 and NUTR691)

Current Topics in Cell Signaling (MISC612) and Cardiovascular Science (MPHY631).

- Guo has served 16 graduate students, chaired/mentored 5 Ph.D. students and 12 post-doctoral fellows.
- 12 undergraduate students received intensive basic research training in Guo's lab, one of whom received a high impact award from the department of nutrition, and another received an undergraduate internship scholarship from the American Diabetes Association.
- 5 Ph.D. students from the Guo lab attended the Annual Scientific Conferences of American Diabetes Association and delivered either oral or poster presentations.
- 3 Ph.D. students served as first authors in their papers which have been published in the *Diabetes* journal, the flagship journal of the American Diabetes Association (ADA) with an impact factor of 7.72.
- Textbook editor and writer for undergraduate students (Nutrition and Metabolic Disease, 2018) and graduate students (Metabolic Syndrome, 2016).

SERVICE

Guo has given more than 70 oral presentations with 35 seminars after his joining TAMU nutrition department at local, national, and international levels. He participated in over 10 study sections of the National Institutes of Health (NIH), American Diabetes Association (ADA), and American Heart Association (AHA) and grant review panels for national and international funding agency. He has served as an organizing committee member and/or chairperson for 16 international scientific meetings. Guo was invited to serve as a senior editor or editorial board member for high impact scholarly journals in his biomedical fields on nutrition, metabolism, and diabetes.

Keynote Speakers:

-Sexual Dimorphism in Control of Glucose Homeostasis, New York University College of Medicine, Graduate Student Seminar, July 31, 2020

-Nutrient Sensing and Hormonal Signaling in Control of Gene Expression, Glucose Homeostasis, and Diabetes Mellitus, Department of Chemistry, Cleveland State University, Ohio, October 11, 2021.

-Insulin Resistance and Approaches of Precision Nutrition in Control of Type 2 Diabetes Mellitus and Metabolic Diseases, 2nd International Conference on Precision Nutrition and Metabolism in Public Health and Medicine. Aegean Conferences Series, Rhodes, Greece, October 24, 2021.

Organizers/Chairs of Conferences:

1. Chair of cardiovascular disease session, Annual Conference of International Drug Discovery Science and Technology. Seoul, Korea. June 16-18, 2016.
2. Chair of cardiovascular disease session, The 15th Annual Congress of International Drug Discovery Science and Technology, Osaka, Japan. July 26-28, 2017.
3. Chair of Session of CDS-CADA symposium, The 21st Chinese Diabetes Society (CDS) Annual Conference, Chongqing, China. November 23-25, 2017.
4. Chair of Session on glucose metabolism. 2018 Texas A&M University Obesity Symposium. College Station, Texas. April 28-30, 2018.
5. Organizing Committee Member, 19th World Obesity Congress, Bangkok, Thailand. July 10-13, 2018.
6. Organizing Committee Member. The 3rd International Conference on Endocrinology and Metabolic Syndrome, Amsterdam, Netherland. June 29-30, 2018.
7. Organizer, 2018 Texas A&M University Diabetes Symposium on Immunometabolism in Chronic Diseases, College Station, Texas. December 16, 2018.
8. Organizing Committee Member, The 9th World Conference of Chemistry and Chemical Medicine, Prague, Czech Republic. May 13-14, 2019.

Research Grant Reviewers:

2017-2018 Reviewer of MRC research grants, United Kingdom Medical Research Council

2018-2021 Regular Member of American Diabetes Association (ADA) Research Study Section

2021-2024 Regular Member of American Heart Association (AHA) Research Study Section

2017-2023 Ad hoc Member of National Institutes of Health (NIH) Grants Study Sections- NIDDK Molecular and Cellular Endocrinology (MCE) and Endocrinology and Metabolic Disease B