GEETHA THANGIAH, PhD

Associate Professor
Department of Nutrition, Dietetics and Hospitality Management
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Education

Postdoctoral Fellow Cell and Molecular Biosciences, Auburn University, Auburn, AL
Ph.D. Medical Biochemistry, University of Madras, Chennai, India
M.S. Medical Biochemistry, University of Madras, Chennai, India
B.S. Chemistry, University of Madras, Chennai, India

Academic Appointments

2017-	Associate Professor, Auburn University, Auburn, AL, USA
2013-2017	Assistant Professor, Auburn University at Montgomery, AL, USA
2011-2013	Assistant Research Professor, Auburn University, Auburn, AL, USA
2009-2010	Assistant Research Professor, Arizona State University, Tempe, AZ, USA
2001-2008	Postdoctoral Fellow, Auburn University, Auburn, AL, USA
1999-2001	Assistant Professor, Ethiraj College for Women, Chennai, India

Professional Appointments

Investigator:	Health Disparities Research Initiative, Auburn University
	Boshell Diabetes and Metabolic Disease Research Program
	Center for Neuroscience, Auburn University
Reviewer:	NSF Graduate Research Fellowship Program Panel
	Alabama Agricultural Experiment Station (AAES) Review Panel
Editorial Board Member:	Journal of Obesity and Bariatrics
	Innovare Journal of Food Science
	European Journal of Bioinformatics
	Scientific Journals International

Scholarly and Creative Productivity

Publications:

Research Publications Refereed Full Length: **60**
Abstracts publications: **18**
International / National meetings: **35**
State / Regional meetings: **57**

Publications in Peer Reviewed Journals:

1. Phillips M, Babu JR, Wang X, **Geetha T**[+]. DNA copy number and structural variations (CNV) contributions to adult and childhood obesity. *Biochemical Society Transactions* 2020; Accepted-In Press [Impact Factor- 5.160] ([+]corresponding author)
2. Ding X, Li R, **Geetha T**, Tao Y, Babu JR. Nerve growth factor in metabolic complications and Alzheimer's disease: Physiology and therapeutic potential. *Biochim Biophys Acta-Molecular Basis of Disease* 2020; https://doi.org/10.1016/j.bbadis.2020.165858 [5Y Impact Factor-5.4]

3. Li R, **Geetha T,** Al-Nakkash L, Broderick T, Babu JR. Beneficial effect of genistein on diabetes-induced brain damage in ob/ob mouse model. *Drug Des Devel Ther.* 2020; Accepted-In Press [15%; IF- 3.216]
4. Selvaraju V, Venkatapoorna C, Babu JR, **Geetha T**[+]. Salivary amylase gene copy number is associated with the obesity and inflammatory markers in children. *Diabetes Metab. Syndr. Obes.* 2020; 13: 1695-1701 [IF- 3.319] ([+]corresponding author)
5. Williams A, Babu JR, Wadsworth D, Burnett D, **Geetha T**[+]. The effects of vitamin D on metabolic profiles in women with polycystic ovary syndrome: A systematic review. *Hormone and Metabolic Research* 2020; May 18; DOI: 10.1055/a-1160-9902 [Impact Factor- 2.562] ([+]corresponding author)
6. Ayine P, Selvaraju V, Venkatapoorna C, **Geetha T**[+]. Parental feeding practices in relation to maternal education and childhood obesity. *Nutrients* 2020; 12: 1033 [Impact Factor- 4.546] ([+]corresponding author)
7. Venkatapoorna C, Ayine P, Selvaraju V, Parra EP, Koenigs T, Babu JR, **Geetha T**[+]. The relationship between obesity and sleep timing behavior, television exposure, and dinnertime among elementary school-age children. *J. Clin. Sleep Med.* 2020; 16: 129-136 [Impact Factor 3.396] ([+]corresponding author)
8. Selvaraju V, Ayine P, Fadamiro M, Babu JR, Brown M, **Geetha T**[+]. Urinary Biomarkers of Inflammation and Oxidative Stress Are Elevated in Obese Children and Correlate with a Marker of Endothelial Dysfunction. *Oxid. Med. Cell. Longev.* 2019; 9604740. [Impact Factor: 4.936] ([+]corresponding author)
9. Sycheva M, Sustarich J, Zhang Y, Selvaraju V, **Geetha T**[+], Gearing M, Babu JR[+]. Pro-Nerve Growth Factor Induces Activation of RhoA Kinase and Neuronal Cell Death. *Brain Sci.* 2019; 9(8). [Impact Factor: 2.786] ([+]corresponding author)
10. Selvaraju V, Babu JR, **Geetha T**[+]. Association of salivary C-reactive protein with the obesity measures and markers in children. *Diabetes Metab. Syndr. Obes.* 2019; 12: 1239-1247 [Impact Factor 3.319] ([+]corresponding author)
11. Venkatapoorna C, Ayine P, Parra EP, Koenigs T, Phillips M, Babu JR, Sandey M, **Geetha T**[+]. Association of salivary amylase (AMY1) gene copy number with obesity in Alabama elementary school children. *Nutrients* 2019; 11: 1379 [Impact Factor 4.196] ([+]corresponding author)
12. Chester B, Babu, JR, Greene M, **Geetha T**[+]. The effects of popular diets on type 2 diabetes management. *Diabetes Metab. Res. Rev*. 2019; e3188 [Impact Factor 3.904] ([+]corresponding author)
13. Vines K, Li R, **Geetha T**[+], Broderick T.L, Carroll C.C, Babu J.R. Nerve growth factor TrkA signaling in streptozotocin-induced type 1 diabetes rat brain. *Biochem. Biophys. Res. Commun.* 2019; 514: 1285-1289. [Impact Factor: 2.559] ([+]corresponding author)
14. Li R, Zhang Y, Rasool S, **Geetha T**[+], Babu J.R. Effects and underlying mechanisms of bioactive compounds on type 2 diabetes mellitus and Alzheimer's disease. *Oxid. Med. Cell. Longev.* 2019: 8165707. [Impact Factor: 4.936] ([+]corresponding author)
15. Chester B, Stanely WG, **Geetha T**[+]. Quick guide to type 2 diabetes self-management education: creating an interdisciplinary diabetes management team. *Diabetes Metab. Syndr. Obes.* 2018; 11: 641-645. [IF-3.319] ([+]corresponding author)
16. Rasool S, **Geetha T**[+], Broderick TL, Babu JR. High fat with high sucrose diet leads to obesity and induces myodegeneration. *Front. Physiol.* 2018; 9: 1054. [IF-3.394] ([+]corresponding author)
17. Kothari V, Luo Y, Tornabene T, O'Neill AM, Greene MW, **Geetha T**, Babu JR. High fat diet induces brain insulin resistance and cognitive impairment in mice. *Biochim Biophys Acta-Molecular Basis of Disease* 2017; 1863: 499-508. [5Y IF-5.4]

18. Rege SD, **Geetha T**[+], Broderick TL, Babu JR. Can Diet and Physical Activity limit Alzheimer's disease Risk? *Current Alzheimer's Research* 2017; 14: 76-93. [5Y IF-3.93] ([+]corresponding author)
19. Zheng C, **Geetha T**[+], Gearing M, Babu JR. Amyloid β-abrogated TrkA ubiquitination in PC12 cells analogous to Alzheimer's disease. *Journal of Neurochemistry* 2015; 133: 919-925. [5Y IF-4.28] ([+]corresponding author)
20. Rege SD, **Geetha T**, Broderick TL, Babu JR. Resveratrol protects β amyloid induced oxidative damage and memory associated proteins in H19-7 hippocampal neuronal cells. *Current Alzheimer Research* 2015; 12: 147-156. [5Y IF-3.93]
21. Pondugula SR, Flannery PC, Apte U, Babu JR, **Geetha T**, Rege SD, Chen T, Abott KL. Mg2+/Mn2+-dependent phosphatase 1A is involved in regulating pregnane X receptor-mediated cytochrome p450 3A4 gene expression. *Drug Metabolism and Disposition* 2015; 43: 385-391. [5Y IF-3.61]
22. Zheng C, **Geetha T**, Babu JR. Failure of ubiquitin proteasome system: Risk for neurodegenerative diseases. *Neurodegenerative Diseases* 2014; 14: 161-175. [5Y IF-3.51]
23. Rege SD, **Geetha T**, Griffin GD, Broderick TL, Babu JR**.** Neuroprotective effects of resveratrol in Alzheimer pathology. *Frontiers in Aging Neuroscience* 2014; doi: 10.3389/fnagi.2014.00218 [IF-4.34]
24. Desai G, Zheng C, **Geetha T**, Mathews ST, White BD, Huggins KW, Zizza CA, Broderick TL, Babu JR**.** The pancreas-brain axis: Insight into disrupted mechanisms associating type 2 diabetes and Alzheimer disease. *Journal of Alzheimer's disease* 2014; 42:347-356. [IF-4.15]
25. Rege SD, Kumar S, Wilson D, Tamura L, **Geetha T**, Mathews ST, Huggins KW, Broderick TL, Babu JR. Resveratrol protects the brain of obese mice from oxidative damage. *Oxidative Medicine and Cellular Longevity* 2013; doi: 10.1155/2013/419092 [IF-3.52]
26. **Geetha T**[+], Rege SD, Mathews SE, Meakin SO, White MF, Babu JR. Nerve growth factor Receptor TrkA, a new receptor in insulin signaling pathway in PC12 cells. *Journal of Biological Chemistry* 2013; 288: 23807-23813. [IF-4.8] ([+] corresponding author)
27. Rege SD, **Geetha T**, Pondugula S, Zizza C, Wernette C, Babu JR. Non-coding RNAs in Neurodegenerative Diseases. **ISRN Neurology** 2013; 2013:375852. doi: 10.1155/2013/375852.
28. **Geetha T**, Zheng C, McGregor WC, White DB, Diaz-Meco MT, Babu JR. TRAF6 and p62 inhibit amyloid β-induced neuronal death through p75 neurotrophin receptor. *Neurochemistry International* 2012; 61: 1289-1293. [5Y IF-3.09]
29. **Geetha T**, Zheng C, Vishwaprakash N, Broderick TL, Babu JR. Sequestosome 1 / p62, a scaffolding protein, is a newly identified partner of IRS-1. *Journal of Biological Chemistry* 2012; 287: 29672-29678. [IF-4.8]
30. **Geetha T**, Langlais P, Caruso M, Yi Z. Identification of protein phosphatase 1 regulatory subunit 12A and catalytic subunit δ as new members in insulin signaling. *Journal of Endocrinology* 2012; 214: 437-443. [5Y IF-3.9]
31. **Geetha T**, Zheng C, Unroe B, Sycheva M, Kluess H, Babu JR. Polyubiquitination of the neurotrophin receptor p75 directs neuronal cell survival. *Biochemical and Biophysical Research Communications* 2012; 421: 286-290. [5Y IF-2.29]
32. **Geetha T**, Vishwaprakash N, Sycheva M, Babu JR. Sequestosome 1 / p62: Across diseases. *Biomarkers* 2012; 17: 99-103. [5Y IF-2.52]
33. Zhang X, Hojlund K, Luo M, Meyer C, **Geetha T**, Yi Z. Novel tyrosine phosphorylation sites of rat skeletal muscle revealed by phosphopeptide enrichment and HPLC-ESI-MS/MS. *Journal of Proteomics* 2012; 75: 4017-4026. [5Y IF-4.03]
34. **Geetha T**, Langlais P, Lou M, Mapes R, Lefort N, Chen SC, Mandarino LJ, Yi Z. Label-free proteomic identification of endogenous, insulin-stimulated interaction partners of insulin receptor substrate-1. *Journal of American Society for Mass Spectrometry* 2011; 22: 457-466. [IF-2.95]

35. Diarra A, **Geetha T**, Potter P, Babu JR. Signaling of the neurotrophin receptor p75 in relation to Alzheimer's Disease. *Biochemical and Biophysical Research Communications* 2009; 390: 352-356. [5Y IF-2.29]
36. Højlund K, Bowen BP, Hwang H, Flynn CR, Madireddy L, **Geetha T**, Langlais P, Meyer C, Mandarino LJ, Yi Z. In vivo phosphoproteome of human skeletal muscle revealed by phosphopeptide enrichment and HPLC-ESI-MS/MS. *Journal of Proteome Research* 2009; 8: 4954-4965. [IF-4.25]
37. **Geetha T**, Wooten MW. TrkA receptor endolysosomal degradation is both ubiquitin and proteasome dependent. *Traffic* 2008; 9: 1146-1156. [IF-4.35]
http://www.f1000biology.com/article/id/1108274/evaluation
38. **Geetha T**, Seibenhener ML, Chen L, Madura K, Wooten MW. p62 serves as a shuttling factor for TrkA interaction with the proteasome. *Biochemical and Biophysical Research Communications* 2008; 374: 33-37. [5Y IF-2.29]
39. Wooten MW, **Geetha T**, Babu JR, Seibenhener ML, Peng J, Cox N, Diaz-Meco MT, Moscat J. Essential role of SQSTM1/p62 in regulating accumulation of K63-ubiquitinated proteins. *Journal of Biological Chemistry* 2008; 283: 6783-6789. [5Y IF-4.8]
40. Jadhav T, **Geetha T**, Jiang J. Wooten MW. Identification of a consensus site for TRAF6/p62 polyubiquitination. *Biochemical and Biophysical Research Communications* 2008; 371: 521-524. [5Y IF-2.29]
41. Seibenhener ML, **Geetha T**, Wooten MW. Sequestosome 1/p62 – More than just a scaffold. *FEBS Letters* 2007; 581: 175-179. [5Y IF-3.37]
42. Wooten MW, **Geetha T**. The role of ubiquitin in neurotrophin receptor signalling and sorting. *Biochemical Society transactions* 2006; 34: 757-769. [IF-1.58] Invited Review
43. Wooten MW, Hu X, Babu JR, Seibenhener, ML, **Geetha T**, Paine MG, and Wooten MC. Signaling, polyubiquitination, trafficking, and inclusions: sequestosome 1/p62's role in neurodegenerative disease. *Journal of Biomedicine and Biotechnology* 2006; 62079-62096. [5Y IF-1.57]
44. **Geetha T**, Jiang J, Wooten MW. Lysine 63 polyubiquitination of the nerve growth factor receptor TrkA directs internalization and signaling. *Molecular Cell* 2005; 20: 301-312. [5Y IF-15.05]
http://www.f1000biology.com/article/16246731/evaluation
45. **Geetha T**, Kenchappa RS, Wooten MW, Carter BD. TRAF6-mediated ubiquitination regulates nuclear translocation of NRIF, the p75 receptor interactor. *EMBO Journal* 2005; 24: 3859-3868. [IF-10.53]
46. Wooten MW, **Geetha T**, Seibenhener ML, Babu JR, Diaz-Meco MT, and Moscat J. The p62 scaffold regulates nerve growth factor-induced NF-kappa B activation by influencing TRAF6 polyubiquitination. *Journal of Biological Chemistry* 2005; 280: 35625-35629. [5Y IF-4.8]
47. Babu JR**, Geetha T**, Wooten MW. Sequestosome 1/p62 shuttles polyubiquitinated tau for proteasomal degradation. *Journal of Neurochemistry* 2005; 94: 192-203. [5Y IF-4.28]
48. Seibenhener ML, Babu JR, **Geetha T**, Wong H, Krishna NR, Wooten MW. Sequestosome/p62 is a polyubiquitin chain binding protein involved in ubiquitin proteasomal degradation. *Molecular and Cellular Biology* 2004; 24: 8055-8068. [5Y IF-5.22]
49. **Geetha T,** Wooten MW. Association of the atypical protein kinase C-interacting protein p62/ZIP with nerve growth factor receptor TrkA regulates receptor trafficking and Erk5 Signaling. *Journal of Biological Chemistry* 2003; 278: 4730-4739. [IF-4.8]
50. Pridgeon JW, **Geetha T**, Wooten MW. A method to identify p62's UBA domain interacting protein. *Biological Procedures Online* 2003; 5: 228-237. [5Y IF-2.0]
51. **Geetha T**, Wooten M. Minireview. Structure and functional properties of the ubiquitin-binding protein p62. *FEBS Letters* 2002; 512: 19-24. [5Y IF-3.37]

52. Wooten MW, Vandenplas ML, Seibenhener ML, **Geetha T**, Diaz-Meco MT. Nerve growth factor stimulates multisite tyrosine phosphorylation and activation of the atypical protein kinase C's via a src kinase pathway. *Molecular and Cellular Biology* 2001; 21: 8414-8427. [5Y IF-5.22]
53. **Geetha T**, Varalakshmi P. Anti-inflammatory activity of lupeol and lupeol linoleate in rats. *Journal of Ethnopharmacology* 2001; 76: 77-80. [5Y IF-3.26]
54. **Geetha T**, Varalakshmi P. Effect of lupeol and lupeol linoleate on lysosomal enzymes and collagen in adjuvant-induced arthritis in rats. *Molecular and Cellular Biochemistry* 1999, 201: 83-87. [IF-2.39]
55. **Geetha T**, Varalakshmi P. Anti-complement activity of triterpenes from Crataeva nurvala stem bark in adjuvant arthritis in rats. *General Pharmacol.* 1999, 32: 495-497. [IF-1.11]
56. **Geetha T**, Varalakshmi P. Effect of lupeol and lupeol linoleate on haematology and acute phase proteins in adjuvant arthritis. *Journal of Pharm. Pharmacol.* 1999, 51:150. [IF-2.26]
57. **Geetha T**, Varalakshmi P, Latha RM. Effect of triterpenes from Crataeva nurvala stem bark on lipid peroxidation in adjuvant induced arthritis in rats. *Pharmacological Research* 1998; 37: 191-195. [5Y IF-4.41]
58. **Geetha T**, Varalakshmi P. Anti-inflammatory activity of lupeol and lupeol linoleate in adjuvant - induced arthritis. *Fitoterapia* 1998; 69:13-19. [5Y IF-2.47]
59. Latha RM, **Geetha T**, Varalakshmi P. Effect of Vernonia cinerea less flower extract in adjuvant induced arthritis. *General Pharmacol.* 1998; 31: 601-606. [IF-1.11]
60. Latha RM, **Geetha T**, Varalakshmi P. Effect of Vernonia cinerea flower extract on free radical scavengers in adjuvant induced arthritis in rats. *Biomedicine* 1998; 18:165-172.

5Y *IF= Five-year Impact factor; Publications in the name of Thangiah Geetha (Geetha T).*

Research findings have been cited in more than 42000 manuscripts (August, 2020).
https://scholar.google.com/citations?user=gXI3fgoAAAAJ&hl=en

Abstracts Publications:

1. Phillips M,G Selvaraju V, P Fouty A,U Sandey M, Jeganathan R, **Geetha T+.** Gender differences in the copy number of 11q11 gene in European American obese children. Diabetes 2020; 66: 1256-P [Impact Factor -7.273] (+corresponding author)
2. Venkatapoorna C, Aiyne P, Parra P, Koenigs T, Sandey M, Jeganathan R, **Geetha T+**. Low AMY1 gene copy number is associated with increased childhood obesity in Alabama. Diabetes 2019; 65: A5064. [impact factor -7.273] (+corresponding author)
3. Selvaraju V, Aiyne P, Parra P, Brown M, Jeganathan R, **Geetha T+**. Endothelial dysfunction, inflammation, and oxidative stress urinary biomarkers in obese children from Alabama. Diabetes 2019; 65: A6137. [impact factor -7.273] (+corresponding author)
4. Aiyne P., Parra P., Jeganathan R, **Geetha T+**. Influence of Race, Ethnicity, and behavioral factors on Childhood Obesity. Diabetes 2018; 65: A452. [IF-8.47] (+corresponding author)
5. Chester B., Stanley WG, **Geetha T+**. The efficacy of registered dietitian interventions in type 2 diabetes management in a family practice clinic in North Alabama. Diabetes 2018; 65: A452. [IF-8.47] (+corresponding author)
6. **Geetha T+**, Zheng C, Kothari V, Carter A, SD, Vines K, Sustarich J, Babu JR. The RING finger domain of TRAF6 interacts with Akt for its ubiquitination and activation of insulin stimulation. *Diabetes* 2016; 65: A452. [IF-8.47] (+corresponding author)

7. Kothari V, Tornabene T, Luo Y, Greene M, **Geetha T**, Babu JR. High fat western diet-induced brain insulin resistance and cognitive impairment. *Diabetes* 2016; 65: A498. [IF-8.47]
8. **Geetha T**[+], Zheng C, Baker J, Gearing M, and Babu JR. Polyubiquitination of Akt is impaired in Alzheimer's disease. *Alzheimer's & Dementia* 2015; 11: P861. [5Y IF-13.32] ([+]corresponding author)
9. **Geetha T**[+], Rege SD, Vines K, White D, Carroll C, Broderick T, Babu JR. TrkA Receptor in Streptozotocin-induced Diabetic Rat Brain (2842-PO). *Diabetes* 2015; 64: A715. [IF-8.47] ([+]corresponding author)
10. Rege S, **Geetha T**, Broderick T, and Babu JR. Resveratrol Protects Proteins Associated with Memory Loss in Obese Diabetic Mice (1988-P). *Diabetes* 2014; 63: A509. [IF-8.47]
11. Rege S, Bottcher M, **Geetha T**, Broderick T, Babu JR. Neuroprotective effects of resveratrol against β-amyloid induced oxidative damage and memory loss in rat hippocampal (H19-7) cells (647.44). *The FASEB Journal* 2013; 28: 647.44. [IF-5.04]
12. **Geetha T**, Zheng C, Broderick T, and Babu JR. Sequestosome 1/p62, a novel IRS-1 interacting protein, regulates insulin stimulated glucose uptake (1626-P). *Diabetes* 2012; 61: A421. [IF-8.47] ([+]corresponding author)
13. Babu JR, Diarra A, **Geetha T**. Sequestosome 1/p62, a new interacting adapter protein with IRS-1 in insulin signaling (22-OR). *Diabetes* 2011; 60: A6. [IF-8.47]
14. **Geetha T**, Langlais P, Lou M, Zingsheim M, Mandarino LJ, Yi Z. Protein Phosphatase 1 Regulatory Subunit 12A (PPP1R12A), a new family member in the IRS-1 signaling complex. *Diabetes* 2010; 59: A119. [IF-8.47] ([+]corresponding author)
15. **Geetha T**, Hojlund K, Zingsheim M, Christ-Roberts C, Mapes R, Lou M, Mattern M, Meyer C, Yi Z. Novel tyrosine phosphorylation sites in skeletal muscle identified by HPLC-ESI-MS/MS. *Diabetes* 2010; 59: A427. [IF-8.47] ([+]corresponding author)
16. Wooten MW, Babu JR, Seibenhener L, **Geetha T,** Cox N, Suppramaniam V, Diaz-Meco MT, Moscat J. Accumulation of tau and amyloid beta in p62 deficient mice (P1-040). *Alzheimer's & Dementia* 2006; 2: S106. [IF-12.41]
17. **Geetha T**, Wooten MW. Sequestosome/p62 serves as an adaptor for TRAF6-mediated ubiquitination of the NGF receptor TrkA. *The FASEB Journal* 2004; 18: C37. [IF-5.04]
18. **Geetha T**, Wooten MW. Association of ubiquitin-binding protein p62/ZIP with the nerve growth factor receptor TrkA. *The FASEB Journal* 2002; 16: A545. [IF-5.04]

Presentation in Professional Meetings

Papers at International / National meetings

1. Phillips M, Selvaraju V, Fouty A, Sandey M, Jeganathan R, **Geetha T** (2020). gender differences in the copy number of 11q11 gene in European American obese children. "*American Diabetes Association*" 80th Scientific Sessions, Virtual Meeting, June 12-16, 2020. Abstract # 1256-P.
2. Venkatapoorna C, Aiyne P, Parra P, Koenigs T, Sandey M, Jeganathan R, **Geetha T** (2019). Low AMY1 gene copy number is associated with increased childhood obesity in Alabama. "*American Diabetes Association*" 78th Scientific Sessions, San Francisco, CA, USA, June 7-11, 2019. Abstract # 5064-P.
3. Selvaraju V, Aiyne P, Parra P, Brown M, Jeganathan R, **Geetha T** (2019). Endothelial dysfunction, inflammation, and oxidative stress urinary biomarkers in obese children from Alabama. "*American Diabetes Association*" 78th Scientific Sessions, San Francisco, CA, USA, June 7-11, 2019. Abstract # 6137-P.

4. Aiyne P, Parra EP, Babu JR, **Geetha T** (2018). Influence of race, ethnicity, and behavioral factors on Childhood Obesity. "*American Diabetes Association*" 77th Scientific Sessions, Orlando, FL, USA, June 22-26, 2018. Abstract # 2083-P.
5. Chester B, Stanley WG, **Geetha T** (2018). The efficacy of registered dietitian interventions in type 2 diabetes management in a family practice clinic in North Alabama. "*American Diabetes Association*" 77th Scientific Sessions, Orlando, FL, USA, June 22-26, 2018. Abstract # 705-P.
6. Sustarich J, Suchdeva S, Sycheva M, Babu JR, **Geetha T** (2016). Increased pro-nerve growth factor induces RhoA activation in PC12 cells similar to Alzheimer's disease. *"Society for Neuroscience"*, San Diego, CA, USA, November 12-16, 2016. Abstract No. 514.06/Z2.
7. **Geetha T**, Zheng C, Kothari V, Carter A, SD, Vines K, Sustarich J, Babu JR (2016). The RING finger domain of TRAF6 interacts with Akt for its ubiquitination and activation of insulin stimulation. *"American Diabetes Association"* 76th Scientific Sessions, New Orleans, LA, USA, June 10-14, 2016. Abstract No. 1745-P.
8. Kothari V, Tornabene T, Luo Y, Greene M, **Geetha T,** Babu JR (2016). High fat western diet-induced brain insulin resistance and cognitive impairment. *"American Diabetes Association"* 76th Scientific Sessions, New Orleans, LA, USA, June 10-14, 2016. Abstract No. 1936-P. (*This poster was selected to be featured on a guided tour in the Poster* Hall).
9. **Geetha T**, Chen Z, Baker J, Gearing M, and Babu JR (2015). Polyubiquitination of Akt is impaired in Alzheimer's disease. *"Alzheimer's Association International Conference",* Washington, D.C, USA, July 18-23, 2015. Abstract No. P4-211.
10. Rege S, Bottcher M, **Geetha T**, Broderick T, and Babu JR (2014). Neuroprotective effects of resveratrol against β-amyloid induced oxidative damage and memory loss in rat hippocampal (H19-7) cells. *"ASN Scientific Sessions and Annual Meeting at Experimental Biology"*, San Diego, CA, USA, April 27, 2014. Abstract No. C403.
11. Zheng C, Mathews S, **Geetha T**, Babu JR (2014). Polyubiquitination is essential for Akt activation in nerve growth factor signaling. *"Society for Neuroscience"*, Washington, DC, USA, November 11, 2014. Abstract No. 121.07/A18.
12. Rege S, **Geetha T**, Broderick T, and Babu JR (2014). Resveratrol Protects Proteins Associated with Memory Loss in Obese Diabetic Mice. *"American Diabetes Association"* 74th Scientific Sessions, San Francisco, CA, USA, June 13-17, 2014. Abstract No. 2014-A-4820.
13. Zheng C, **Geetha T**, Gearing M, and Babu JR (2013). Amyloid β induced impairment of TrkA signaling in PC12 cells equivalent to Alzheimer's disease. *"23rd Neuropharmacology Conference"*, San Diego, CA, USA, November 7-8, 2013.
14. **Geetha T**, Zheng C, Diaz-Meco, M, Moscat J, and Babu JR (2013). TRAF6/p62 complex prevents amyloid β induced neuronal death. *"23rd Neuropharmacology Conference"*, San Diego, CA, USA, November 7-8, 2013.
15. Zheng C, **Geetha T**, and Babu JR (2012). TRAF6 and p62 inhibit amyloid β-induced neuronal death through p75 neurotrophin receptor. *"Society for Neuroscience"*, New Orleans, LA, USA, October 13-17, 2012. Abstract No. 66.27/U4.
16. **Geetha T**, Zheng C, Broderick T, and Babu JR (2012). Sequestosome 1/p62, a novel IRS-1 interacting protein, regulates insulin stimulated glucose uptake. *"American Diabetes Association"*, 72nd Scientific Sessions, Philadelphia, PA, USA, June 8-12, 2012. Abstract No. 2012-A-3475. (*This poster was selected to be featured on a guided tour in the Poster* Hall).
17. Babu JR, Diarra A, Vishwaprakash N, **Geetha T** (2011). Ubiquitination of p75 neurotrophin receptor in Alzheimer's disease. *"Society for Neuroscience"* Washington, DC, USA, November 12-16, 2011. Abstract No. 666.12/N7.
18. Babu JR, Diarra A, **Geetha T** (2011). Sequestosome 1/p62, a New Interacting Adapter Protein with IRS-1 in Insulin Signaling. *"American Diabetes Association"*, 71st Scientific Sessions, San

Diego, CA, USA, June 24-28, 2011. Abstract No. 0022-OR. (*This abstract was selected for oral presentation*).

19. **Geetha T,** Langlais P, Lou M, Zingsheim M, Mandarino LJ, Yi Z (2010). Protein phosphatase 1 regulatory subunit 12A (PPP1R12A), a new family member in the IRS-1 signaling complex. *"American Diabetes Association"*, 70th Scientific Sessions, Orlando, Florida, USA, 25-29 June 2010. Abstract No. 585ADA10D1. (*This abstract was one of the 100 posters selected to be showcased in the Presidents Poster Session and Reception*)
20. **Geetha T,** Hojlund K, Zingsheim M, Christ-Roberts C, Mapes R, Lou M, Mattern M, Meyer C, Yi Z (2010). Novel tyrosine phosphorylation sites in skeletal muscle identified by HPLC-ESI-MS/MS. *"American Diabetes Association",* 70th Scientific Sessions, Orlando, Florida, USA, 25-29 June 2010. Abstract No. 1377ADA10D1. (S*elected to be featured on a guided tour in the Poster Hall*)
21. **Geetha T,** Wooten MW (2006). Trafficking and sorting of the nerve growth factor receptor TrkA. *"Society for Neuroscience"*, 36th Annual Meeting, Atlanta, GA, USA, 14-18 October 2006. Abstract No. 622.6.
22. Seibenhener ML, **Geetha T,** Peng J, Wooten MW (2006). Disruption of the p62 gene leads to accumulation of K63 polyubiquitin and cognitive deficits. *"Society for Neuroscience"*, 36th Annual Meeting, Atlanta, GA, USA, 14-18 October 2006. Abstract No. 754.2.
23. Babu JR, Seibenhener ML, **Geetha T**, Cox N, Parameshwaran K, Suppramaniam V and Wooten MW (2006). Alzheimer-like characteristics associated with p62 knockout mice. *"Society for Neuroscience"*, Atlanta, GA, USA, October 14-18, 2006. Abstract No. 754.3.
24. Wooten MW, Babu JR, Seibenhener L, **Geetha T**, Cox N, Suppramaniam V, Diaz-Meco MT, Moscat J (2006). Accumulation of tau and amyloid beta in p62 deficient mice. *"10th International Conference on Alzheimer's Disease and Related Disorders"*, Madrid, Spain, July 15-20, 2006.
25. Wooten MW, **Geetha T** (2006). The role of ubiquitin in neurotrophin receptor signalling and sorting. *"Bioscience"*, Glasgow, UK, 23-27 July 2006, Abstract No. 0024.
26. Wooten MW, **Geetha T**, Jiang J (2005). Lysine 63 polyubiquitination of the nerve growth factor receptor TrkA directs internalization. *"Society for Neuroscience"*, 35th Annual Meeting, Washington, DC, USA, 12-16 November 2005, Abstract No. 148.13
27. **Geetha T**, Seibenhener ML, Babu JR, and Wooten MW (2005). Interaction of TRAF6 with the p62 scaffold drives neurotrophin activation of NF-κB. *"Society for Neuroscience"*, Washington, DC, USA, November 12-16, 2005. Abstract No. 148.24.
28. Kenchappa RS, **Geetha T**, Teng HK, Hempstead BL, Wooten MW, Carter BD (2005). Ligand dependent cleavage of the p75 neurotrophin receptor is necessary for NRIF nuclear translocation and apoptosis in sympathetic neurons. *"Society for Neuroscience"*, 35th Annual Meeting, Washington, DC, USA, 12-16 November 2005, Abstract No. 252.6.
29. Kenchappa RS, **Geetha T**, Hempstead BL, Wooten MW, Carter BD (2005). Ligand dependent cleavage of the p75 neurotrophin receptor is necessary for NRIF nuclear translocation and apoptosis in sympathetic neurons. *"Neurotrophic Factors"* Gordon Research Conferences, Salve Regina University, Newport, RI, USA, 19-24 June 2005.
30. Seibenhener ML, Babu JR, **Geetha T**, Wooten MW (2004). Protein misfolding in Alzheimer's and other age-related neurodegenerative diseases. *"5th Neurobiology of Aging Conference"* San Diego, CA, USA, October 21-22, 2004. Abstract No. P18.
31. **Geetha T**, Wooten MW (2004). Sequestosome/p62 serves as an adaptor for TRAF6-mediated ubiquitination of the nerve growth factor receptor TrkA. *"The American Society for Biochemistry and Molecular Biology Annual Meeting"*, Boston, Massachusetts, USA, 12-16 June 2004, Abstract No. 441.

32. **Geetha T**, Wooten MW (2003). p62 serves as an adaptor for TRAF6-mediated ubiquitination of the nerve growth factor receptor TrkA. *"American Society for Cell Biology"*, 43rd Annual Meeting, San Francisco, California, USA, 13-17 December 2003, Abstract No. 66.
33. **Geetha T**, Wooten MW (2003). The atypical protein kinase C-interacting protein p62 serves as an adaptor to ubiquitinate the nerve growth factor receptor TrkA by TRAF6. *"Society for Neuroscience"*, 33rd Annual Meeting, New Orleans, Louisiana, USA, 8-12 November 2003, Abstract No. 786.3.
34. **Geetha T**, Wooten MW (2002). Association and colocalization of the atypical protein kinase C-interacting protein p62/ZIP with nerve growth factor receptor TrkA to the endocytic pathway. *"Society for Neuroscience"*, 32nd Annual Meeting, Orlando, Florida, USA, 2-7 November 2002, Abstract No. 630.4.
35. **Geetha T**, Wooten MW (2002). Association of ubiquitin-binding protein p62/ZIP with the nerve growth factor receptor TrkA. *"The American Society for Biochemistry and Molecular Biology Annual Meeting"*, New Orleans, USA, 20-24 April 2002, Abstract No. 852.

Presented at State and Local professional meeting

1. Selvaraju V, Phillips M, Fouty A, Babu JR, **Geetha T** (2020). Telomere length as a biomarker for race-related health disparities. "Health Disparities Research Initiative Virtual Symposium", Auburn University, Auburn, AL, USA, July 29th 2020.
2. Ayine P, Selvaraju V, **Geetha T** (2020). Parental feeding practices and perceptions of child weight in relation to maternal education and childhood obesity. "*Virtual Symposium*", Auburn University, Auburn, AL, USA, April 2020. Awarded second place in University-Wide Graduate Students
3. Fouty A, Blocker A, Phillips M, Selvaraju V, Babu JR, Sandey M, **Geetha T** (2020). The relationship between the copy number of 11q11 gene and childhood obesity. "*Virtual Symposium*", Auburn University, Auburn, AL, USA, April 2020.
4. Selvaraju V, Babu JR, **Geetha T** (2020) Association of Salivary neurotrophins and insulin in childhood obesity. *"Center for Neuroscience Initiative Inaugural Retreat",* Auburn University, Auburn, AL, USA, February 28, 2020. Abstract No. 57.
5. Ayine P, Venkatapoorna C, Parra EP, Koenigs T, Selvaraju V, Babu JR, **Geetha T** (2019) Socioeconomic and behavioral determinants of childhood obesity. Exploring the relationship between sleep, dinner and television timing behavior with BMI in children. *"12th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, Feb 15, 2019. Abstract No. P29.
6. Venkatapoorna C, Ayine P, Parra EP, Koenigs T, Sandey M, Babu JR, **Geetha T** (2019) Low AMY1 gene copy number is associated with childhood obesity. *"12th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, Feb 15, 2019. Abstract No. O32.
7. Selvaraju V, Ayine P, Parra EP, Brown M, Babu JR, **Geetha T** (2019) Association of inflammation, oxidative stress and endothelial dysfunction biomarkers in obese elementary school children. *"12th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, Feb 15, 2019. Abstract No. P44.
8. Zhang Y, Rasool S, Woodie L, Greene MW, Miller ME, **Geetha T**, Babu JR (2019) Restricted-time feeding ameliorates high fat sugar diet induced skeletal muscle degeneration. "*12th Annual Boshell Diabetes and Metabolic Diseases conference",* Auburn University, Auburn, AL, USA, Feb 15, 2019. Abstract No. P24.
9. Li R, Rasool S, Broderick T, **Geetha T**, Babu JR (2019) Neuroprotective roles of resveratrol and exercise training in Alzheimer disease mice model. *"12th Annual Boshell Diabetes and Metabolic*

Diseases conference", Auburn University, Auburn, AL, USA, Feb 15, 2019. Abstract No. P25. Awarded third place for poster presentation.

10. Koenigs T, Venkatapoorna CMK, Ayine P, Parra EP, Sandey M, Babu JR, **Geetha T** (2019) Reduced AMY1 gene copy number is associated with increased BMI in children, "*2019 Alabama Dietetic Association Annual Meeting*", Montgomery, AL, March 6, 2019.
11. Ayine P, Venkatapoorna C, Parra EP, Koenigs T, Selvaraju V, Babu JR, **Geetha T** (2019) The association between the daily lifestyle habits with BMI in children. *"CHS Graduate Student Research Symposium"*, Auburn University, Auburn, AL, USA, April 5, 2019.
12. Parra EP, Ayine P, Venkatapoorna CMK, Koenigs T, Selvaraju V, Babu JR, **Geetha T** (2019) The relationship between sleep behaviour with obesity, television exposure and dinner time in children. *"This is Research: Student symposium"*, Auburn University, Auburn, AL, USA, April 9, 2019.
13. Koenigs T, Venkatapoorna CMK, Ayine P, Parra EP, Sandey M, Babu JR, **Geetha T** (2019) Reduced AMY1 gene copy number is associated with increased BMI in children. *"This is Research: Student symposium"*, Auburn University, Auburn, AL, USA, April 9, 2019.
14. Chester B, **Geetha T** (2019) Diabetes Utopia for a Dietitian *"2019 Three Minute Thesis (3MT) Finals Competition"* November 21, 2019. Awarded first place cash award $500 and Brittannie Chester will be competing at Regional level in March 2020.
15. **Geetha T**, Venkatapoorna C, Ayine P, Parra EP, Koenigs T, Babu JR (2018) Salivary amylase and childhood obesity. "*2018 AAES Faculty Summit*" Auburn University, Auburn, AL, USA, Dec 10, 2018.
16. Venkatapoorna C, Ayine P, Parra EP, Koenigs T, Babu JR, **Geetha T** (2018) Association of salivary amylase (AMY1) gene copy number with obesity in Alabama elementary school children. "*2018 Faculty Research Symposium*" Auburn University, Auburn, AL, USA, Oct 23, 2018.
17. **Geetha T** (2018) Racial and ethnic disparities in childhood obesity. "*Human Sciences Research Collaborative*" Center for Health Ecology and Equity Research (CHEER), Auburn University, Auburn, AL, USA, Oct 19, 2018 (Oral Presentation).
18. Venkatapoorna C, Babu JR, **Geetha T** (2018) Relationship between AMY1 gene copy number and body mass index in Alabama school children. "*Nutrition Symposium 2018*", Samford University, Birmingham, AL, USA Sept 21, 2018.
19. Chester B, **Geetha T** (2018) Self-management education for adults with type 2 diabetes mellitus improves the clinical outcomes of patients. "*College of Human Sciences Graduate Student Symposium*", Auburn University, Auburn, AL, USA, March 21, 2018. (Oral Presentation and was awarded second place cash award $150).
20. Ayine P, Parra EP, Carmona B, Lopez I, Babu JR, **Geetha T** (2018) Socioeconomic and behavioral determinants of childhood obesity. "*College of Human Sciences Graduate Student Symposium*", Auburn University, Auburn, AL, USA, March 21, 2018.
21. Sustarich J, **Geetha T** (2017) Overexpression of proNGF in Alzheimer's disease leads to neuronal death. *"Undergraduate Research Symposium"*, Auburn University at Montgomery, 7 April 2017. (First place was awarded for oral presentation and best research paper of the year).
22. Sycheva M, Sustarich J, **Geetha T**, Babu JR (2017) Pro-nerve growth factor induces activation of RhoA kinase in Alzheimer's disease. *"10th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, March 3, 2017. Abstract No. P29.
23. Li Y, Zhang Y, Rasool S, Luo Y, Greene M, **Geetha T**, Babu JR (2017) High Fat Sugar Diet in Mice Induces Impaired Hepatic Insulin Signaling, Activation of Inflammation and Apoptosis. *"10th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, March 3, 2017. Abstract No. P16. (Award second place for poster presentation)

24. Rasool S, Zhang Y, Li Y, Woodie L, Greene M, **Geetha T**, Babu JR (2017) High-fat Diet in Mice Induced Skeletal Muscle Degeneration. *"10th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, March 3, 2017. Abstract No. O14.
25. **Geetha T**, Sycheva M, Sustarich J, Suchdeva S, Zheng C, Babu JR (2017) Overexpression of proNGF in Alzheimer's disease leads to neuronal death. *"This is Research - Faculty Symposium"*, Auburn University, Auburn, AL, USA, Sep 16, 2016.
26. Babu JR, Kothari V, Luo Y, Tornabene T, Luo Y, Greene MW, O'Neill AM, **Geetha T** (2016) High fat diet induces brain insulin resistance and cognitive impairment in mice. *"This is Research - Faculty Symposium"*, Auburn University, Auburn, AL, USA, Sep 16, 2016.
27. Sustarich J, Suchdeva S, **Geetha T** (2016) Enhanced expression of $p75^{NTR}$ induced by proNGF leads to neuronal apoptosis. *"This is Research - Student Symposium"*, Auburn University, Auburn, AL, USA, April 13, 2016.
28. Sustarich J, Suchdeva S, **Geetha T** (2016) Accumulation of proNGF leads to neurodegeneration in Alzheimer's disease. *"Undergraduate Research Symposium"*, Auburn University at Montgomery, 1 April 2016. (Oral presentation and were awarded First place).
29. Vines K, Zheng C, Rege S, Matthews M, Bates J, Sustarich J, **Geetha T**, Broderick TL and Babu JR (2016) TrkA and insulin receptor in streptozotocin induced diabetes rat brain. *"9th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, February 26, 2016. Abstract No. 007. (Oral presentation)
30. Zheng C, **Geetha T**, Kothari V, Carter A, Sustarich J and Babu JR (2016) TRAF6 interact with Akt for its ubiquitination and activation on insulin stimulation. *"9th Annual Boshell Diabetes and Metabolic Diseases conference",* Auburn University, Auburn, AL, USA, February 26, 2016. Abstract No. P25.
31. Kothari V, Tornabene T, Luo Y, O'Neill AM, Greene MW, Mathews S, **Geetha T** and Babu JR (2016) High fat and sugar in mice brain. *"9th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, February 26, 2016. Abstract No. 002. (Oral presentation)
32. Rege S, Kumar S, Wilson D, **Geetha T**, Broderick TL and Babu JR (2016) Neuroprotective effects of Resveratrol against oxidative damage and memory loss *in vivo* and *in vitro*. *"9th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, February 26, 2016. Abstract No. P19.
33. **Geetha T**, Rege S, Vines KR, Zheng C, Sustarich J, Meakin S and Babu JR (2015) New player in insulin signalling. *"This is Research - Faculty Symposium",* Auburn University, Auburn, AL, USA, Sep 30, 2015.
34. Zheng C, Whitehead J, Baker J, Sustarich J, **Geetha T** and Babu JR (2015) Impairment of NGF signaling in Alzheimer disease. *"6th Annual UAB Diabetes Research Day"*, The University of Alabama at Birmingham, Birmingham, AL, USA, May 5, 2015. Poster No. 42.
35. Rege S, **Geetha T**, and Babu JR (2015) Neuroprotective effect of resveratrol in rat hippocampal (H19-7) neuronal cells. *"6th Annual UAB Diabetes Research Day"*, The University of Alabama at Birmingham, Birmingham, AL, USA, May 5, 2015. Poster No. 35.
36. Rege S, **Geetha T**, and Babu JR (2015) Resveratrol protects against β-amyloid induced toxicity. *"This is Research - Student Symposium"*, Auburn University, Auburn, AL, USA, April 13, 2015. (Oral presentation).
37. Zheng C, Whitehead J, Phillips B, Pool T, Rushton C, **Geetha T**, Gearing M, and Babu JR. (2015) TrkA in Alzheimer's disease. *"This is Research - Student symposium",* Auburn University, Auburn, AL, USA, April 13, 2015. (Oral presentation).

38. Baker J, Sustarich J, **Geetha T**. Decreased level of NGF in Alzheimer's disease human brain. *"Undergraduate Research Symposium"*, Auburn University at Montgomery, 3 April 2015. (Oral presentation and were awarded Honorable Mention).
39. Carter A, **Geetha T**, and Babu JR (2015) TRAF6 and p62 complex is necessary for Akt ubiquitination, activation and translocation in insulin signaling. *"8th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, February 13, 2015. Abstract No. 7.
40. Rege S, **Geetha T**, and Babu JR (2015) Resveratrol protects hippocampal neurons from β-amyloid induced oxidative damage and memory associated proteins. *"8th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, February 13, 2015. Abstract No. P22.
41. Zheng C, Whitehead J, Phillips B, Pool T, Rushton C, **Geetha T**, Gearing M, and Babu JR. (2015) TrkA ubiquitination is impaired in Alzheimer's disease. *"8th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, February 13, 2015. Abstract No. O02, (Oral presentation).
42. Babu JR, Zheng C, and **Geetha T** (2014) Neurotrophin in Alzheimer Disease. *"Auburn Research day",* Auburn University, Auburn, AL, USA, June 3, 2014. (Oral presentation).
43. Mathews S, Zheng C, **Geetha T** and Babu JR (2014) Ubiquitination of TRAF6 is impaired in Alzheimer's disease. *"Auburn Research day",* Auburn University, Auburn, AL, USA, June 3, 2014 (make-up day). (Oral presentation).
44. Qayum M*, Bateman T*, Geetha T. Nerve growth factor overlaps with insulin signaling. *"Undergraduate Research Symposium"*, Auburn University at Montgomery, AL, USA. April 4, 2014. Abstract No. 6.
45. Rege S, **Geetha T**, Broderick T, and Babu JR (2014). Neuroprotective effect of Resveratrol in Obese Diabetic Mice. *"Graduate Scholars forum",* Auburn University, Auburn, AL, USA, March 4, 2014. Oral Presentation#.
46. Zheng C, Mathews S, Qayum M*, **Geetha, T**, and Babu JR (2014) Nerve growth factor leads to ubiquitination and phosphorylation of AKT. *"7th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, February 28, 2014. Abstract No. P024.
47. Rege S, Mathews S, Qayum M*, **Geetha T**, and Babu JR (2014) Neuroprotective effect of resveratrol in the brain of obese diabetic mice. *"7th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, February 28, 2014. Abstract No. P017.
48. Zheng C, Mathews S, Qayum M*, **Geetha T** and Babu JR (2014). Polyubiquitination of Akt in nerve growth factor signaling. *"Graduate Scholars forum"*, Auburn University, Auburn, AL, USA, March 4, 2014. (Oral Presentation).
49. **Geetha T**, Rege S, Mathews S, Meakin S, Morris M and Babu JR (2014) nerve growth factor receptor TrkA interacts with insulin receptor. *"7th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, Auburn, AL, USA, February 28, 2014. Abstract No. P021.
50. Wilson D, Rege SD, Kumar S, **Geetha T**, Babu JR and Broderick TL (2013) Beneficial effect of resveratrol on antioxidant status in brain of obese diabetic mice. *"Midwestern University Research day"*, Midwestern University, Phoenix, AZ, USA, April 16, 2013. Abstract No. P097.
51. Babu JR, Zheng C, **Geetha, T**, Kluess, H, Singh, N, Diaz-Meco M.T. and Moscat J (2013) Amyloid β-induced neuronal death through p75 receptor is rescued by TRAF6 and p62. *"Research Week"*, Auburn University, Auburn, AL, USA, April 1-4, 2013.

52. Zheng C, **Geetha T**, Gearing M, and Babu JR (2013) Aβ impairs TrkA polyubiquitination and activation of MAPK and Akt. *"6th Annual Boshell Diabetes and Metabolic Diseases conference",* Auburn University, Auburn, AL, USA, March 1, 2013. Abstract No. P017.
53. **Geetha T**, Rege S, Mathews S, Meakin S, and Babu JR (2013) Interaction of IRS-1 with nerve growth factor receptor TrkA. *"6th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, March 1, 2013. Abstract No. P021.
54. Rege S, Kumar S, Wilson D, **Geetha T**, Broderick T, and Babu JR (2013) Resveratrol protects the oxidative damage in the brain of ob/ob mice. *"6th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, March 1, 2013. Abstract No. P014.
55. Kumar S, Rege S, Wilson D, **Geetha T**, Broderick T, and Babu JR (2012) Attenuation of oxidative damage in brain of obese mice by resveratrol. *"Vanderbilt Diabetes Day",* Vanderbilt University, Nashville, TN, USA, November 14, 2012. Abstract No. 38.
56. **Geetha T**, Zheng C, Broderick T, and Babu JR (2012) Sequestosome 1/p62 regulates insulin stimulated glucose uptake. *"5th Annual Boshell Diabetes and Metabolic Diseases conference"*, Auburn University, Auburn, AL, USA, March 2, 2012. Abstract No. P013.
57. Babu JR**,** Diarra A, **Geetha T** (2011). Sequestosome 1/p62, a new family member in the IRS-1 signaling complex. *"4th Annual Boshell Diabetes and Metabolic Diseases conference",* Auburn University, Auburn, AL, March 4, 2011.

Grants and Contracts

Funded Grants:

1. Alabama Agricultural Experiment Station (AAES) ARES Award for Interdisciplinary (AIR) funding program: Factors associated with disparities in childhood obesity. Role: PI, $149,873 (Oct 1, 2019-Sep 31, 2021).

2. National Institute of Health (NIH) National Research Service Award (NRSA): Outcomes of Type 2 diabetes prevention and self-management education and support. Role: PI, Total Award: $47,126 (July 1, 2020- June 30, 2021).

3. Women's Philanthropy Board Philanthropic Impact Grant: Hereditary and biological markers associated with childhood obesity. Role: PI, $10,000 (July 1, 2019-June 30, 2020).

4. Alabama Agricultural Experiment Station (AAES) ARES Award for Interdisciplinary (AIR) funding program: Nerve growth factor administration for treating type 2 diabetes linked Alzheimer's disease. Role: Co-PI, $142,747 (Oct 1, 2018-Sep 31, 2020).

5. Presidential Awards for Interdisciplinary Research (PAIR) Tier II: Center for Neuroscience. Role: Member of the team, $637,000. (June 1, 2018-May 31, 2021).

6. Women's Philanthropy Board Philanthropic Impact Grant: Treating obesity in college-age women with trauma-informed nutrition care: A needs assessment. Role: Co-PI (July 1, 2018-June 30, 2019).

7. Alabama Agricultural Experiment Station (AAES) AgR-SEED Program: Racial and ethnic health disparities in children of Alabama. Role: PI (October 2018-Sep 2019).

8. Alabama Agricultural Experiment Station (AAES) Hatch funding Program: Childhood obesity in Alabama: Risk Factors. Role: PI, $644,671 (Oct 1, 2018- Sep 31, 2023).

9. National Science Foundation (NSF-LSAMP): The Greater Alabama Black Belt Region (GABBR) Alliances (Multi-institutional Partnerships) Role: PI from AUM ($400,000), Total $5,000,000 (Oct 1, 2017- Sep 31, 2022).
10. Grant-In Aid Award: Scaffolding proteins in insulin signaling. Role: PI (Oct 1, 2015-Sep 30, 2017).
11. Ida Belle Young Faculty Research Award: Cell Culture Facility for Health Sciences Research. Role: PI, (Jan 1, 2014-Sep 30, 2014).
12. New Faculty Grant-In Aid: Akt ubiquitination in NGF signaling. Role: PI (Jan 1, 2014-Sep 30, 2015).
13. Dean's Initiative Grant Award: Amyloid beta in TrkA signaling. Role: PI (Oct 1, 2013-Sep 30, 2015).
14. American Heart Association Postdoctoral Research Fellowship: Role of Atypical Protein Kinase C Interacting Protein p62 in Assembly of the Nuclear Factor kappa B Complex. Role: PI (July 1, 2002- June 30, 2014).
15. Senior Research Fellowship: University Grants Commission, Delhi, India. Role: PI (July 1, 1997- June 30, 2000).
16. Junior Research Fellowship: University Grants Commission, Delhi, India. Role: PI (July 1, 1995- June 30, 1997).

Student Fellowship/Awards:

1. Center for Clinical and Translational Science (CCTS) Predoctoral Clinical/Translational Research Program (TL1) from NIH National Research Service Award (NRSA): Awarded to Brittannie Chester, Graduate Research Student. Role: Major Professor and dissertation supervisor. Total Award: $47,126 (Stipend- $25,320, project Funds- $2,000, Travel support- $1,500, Tuition support- $16,000, Indirect cost- $2,305) (July 1, 2020- June 30, 2021).
2. Undergraduate Research Fellowship: Awarded to Anna Fouty, Undergraduate Research Student. Role: Mentor. Total Award: $1,500 (Fellowship: $1,000, Project Funds $500) (Fall 2020).
3. The Fred and Charlene Kam Endowed Fund for Research Excellence in Nutrition-Dietetics: Awarded to Anna Fouty, Undergraduate Research Student. Role: Mentor. Total Award: $1,500 (Fall 2020 to Spring 2021).
4. 2020 Auburn Research Student Symposium: Second place was awarded to Priscilla Ayine in University-Wide Graduate Student Winners. Role: Major Professor and Dissertation Supervisor. Award: $250.
5. Conference of Southern Graduate Schools Regional Competition Three Minute Thesis (3MT) Regional Competition Finalist: Peoples Choice (Group 2) was awarded to Brittannie Chester, Graduate Research Student. Role: Major Professor and Dissertation Supervisor (March 2020).
6. 2019 Three Minute Thesis (3MT) Finals Competition, Auburn University: First place was awarded to Brittannie Chester, Graduate Research Student. Role: Major Professor and Dissertation Supervisor. Award: $500.
7. Undergraduate Research Fellowship: Awarded to Anna Fouty, Undergraduate Research Student. Role: Mentor. Total Award: $3,000 (Fellowship: $2,250, Project Funds $750) (Fall 2019 –Spring 2020).

8. The Fred and Charlene Kam Endowed Fund for Research Excellence in Nutrition-Dietetics: Awarded to Alana Blocker, undergraduate research student. Role: Mentor. Total Award: $2,500 (Fall 2019 to Spring 2020).
9. CHS Graduate symposium: Second place was awarded to Brittannie Chester, Graduate Student. Role: Major Professor and Dissertation Supervisor. Award: $150 (Spring 2018).
10. Undergraduate Research Fellowship: Awarded to Emily Parra, Undergraduate Research Student. Role: Mentor. Total Award: $6,000 (Fellowship: $4,500, Project Funds $1,500) (Summer 2018 – Spring 2019).
11. The Fred and Charlene Kam Endowed Fund for Research Excellence in Nutrition-Dietetics: Awarded to Taylor Koenigs, Undergraduate Research Student. Role: Mentor. Total Award: $1,500 (Fall 2018 to Spring 2019).
12. AUM Undergraduate Research Symposium: First place and best research paper was awarded to Jake Sustarich. Role: Honors Research Thesis Mentor. Award: $200 (April 2017).
13. AUM Undergraduate Research Symposium: First place for oral presentation was awarded to Jake Sustarich and Suman Suchdeva. Role: Mentor. Award: $100 (April 2016).