

CURRICULUM VITAE

Shaik O. Rahaman, PhD
Assistant Professor (tenure-track)

Notarization. I have read the following and certify that this *curriculum vitae* is a current and accurate statement of my professional record.

Signature: *Shaik Omidar Rahaman*

Date: Jun 25, 2018

1. PERSONAL INFORMATION

1.a. Professional Address:

Department of Nutrition and Food Science (NFSC)
University of Maryland (UMD)
3108 Skinner Building
College Park, MD 20742
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1.b. Educational Background:

1994-1999: PhD: Molecular Microbiology, Jadavpur University, Calcutta, India.
1991-1993: MS: Biophysics and Molecular Biology, Calcutta University, India.
1987-1991: BS: Physiology (Honors), Chemistry and Zoology, Calcutta University, India.

1.c. Academic Appointment at University of Maryland-College Park:

08/2014-Present: Assistant Professor (tenure-track), Department of Nutrition and Food Science, University of Maryland-College Park, MD 20742.
Teaching: 50%
Research: 50%

1.d. Other Academic Appointment and Employment:

- 2011-2014: Assistant Professor, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Cleveland, OH 44195, USA.
- 2004-2011: Research Associate/Project Scientist, Department of Cell Biology, Lerner Research Institute, Cleveland Clinic, Cleveland, OH 44195, USA.
- 2000-2004: Post-doctoral Fellow, Department of Cancer Biology, Lerner Research Institute, Cleveland Clinic, Cleveland, OH 44195, USA.
- 1999-2000: Post-doctoral Scientist, Department of Neuroscience, Indian Institute of Chemical Biology, Calcutta, India.
- 1994-1999: PhD Graduate Student, Jadavpur University, Department of Biotechnology, Calcutta, India.

2. RESEARCH, SCHOLARLY AND CREATIVE ACTIVITIES

2.a. Published Research Articles in Refereed Journals: (total: 23)

Total citation (Google Scholar): 1505, up to 2018, Jun 16.

To facilitate review, Dr. Rahaman's name is highlighted in bold and "" identifies him as the lead and corresponding author.*

#Students/postdocs from Dr. Rahaman's laboratory are indicated.

Impact Factors (It is used to measure the importance or rank of a journal by calculating the times it's articles are yearly cited) for Journals are shown below.

23. Sgambat K, Clauss S, Lei KY, Song J, **Rahaman SO**, Lasota M, Moudgil A. Increased Carotid Intima-Media Thickness in African-American Pediatric Kidney Transplant Recipients. Pediatric Transplantation, 2018, 22(3): e13163. PMID: 29417707. [Impact Factor: 1.3].
22. Sgambat K, Clauss S, Lei KY, Song J, **Rahaman SO**, Lasota M, Moudgil A. Effects of obesity and metabolic syndrome on cardiovascular outcomes in pediatric kidney

transplant recipients: a longitudinal study. Pediatric Nephrol. 2017, doi: 10.1007/s00467-017-3860-8. PMID: 29290033.

[Impact Factor: 2.6].

21. Goswami R[#], Merth M[#], Sharma S[#], Alharbi MO[#], Aranda-Espinoza H, Zhu X, **Rahaman SO***. TRPV4 calcium-permeable channel is a novel regulator of oxidized LDL-induced macrophage foam cell formation. Free Radic Biol Med. 2017;110:142-150. PMID: 28602913.

[Impact Factor: 5.90].

20. Sharma S[#], Goswami R[#], Merth M[#], Cohen J[#], Lei KY, Zhang DX, **Rahaman SO***. TRPV4 ion channel is a novel regulator of dermal myofibroblast differentiation. Am J Physiol Cell Physiol. 2017;312(5):C562-C572. PMID: 28249987.

[Impact Factor: 3.63].

19. Goswami R[#], Cohen J[#], Sharma S[#], Zhang DX, Lafyatis R, Bhawan J, **Rahaman SO***. TRPV4 ion channel is associated with scleroderma. J Invest Dermatol. 2017;137(4):962-965. PMID: 27889423.

The # 1 Journal in Dermatology.

[Impact Factor: 6.92].

18. Southern BD, Grove LM, **Rahaman SO**, Abraham S, Scheraga RG, Niese KA, Sun H, Herzog EL, Liu F, Tschumperlin DJ, Egelhoff TT, Rosenfeld SS, Olman MA. Matrix-Driven Myosin II Mediates the Pro-Fibrotic Fibroblast Phenotype. J. Biol Chem. 2016; 291(12):6083-95. PMID: 26763235.

[Impact Factor: 4.57]

17. **Rahaman SO***, Grove LM, Paruchuri S, Southern BD, Abraham S, Niese KA, Scheraga RG, Ghosh S, Thodeti CK, Zhang DX, Moran MM, Schilling WP, Tschumperlin DJ, Olman MA*. TRPV4 mediates myofibroblast differentiation and pulmonary fibrosis in mice. J. Clin Invest. 2014;124(12):5225-38. PMID: 25365224.

[Impact Factor: 13.2].

16. Grove LM, Southern BD, Jin TH, White KE, Paruchuri S, **Rahaman SO**, Gladson CL, Ding Q, Chapman HA, Olman MA. Urokinase receptor (u-PA) ligation induces a raft-localized integrin signaling switch that mediates the hypermotile phenotype of fibrotic fibroblasts. J. Biol Chem. 2014, 289(18):12791-804. PMID: 24644284.

[Impact Factor: 4.57].

15. **Rahaman SO***, Li W, Silverstein RL*. Vav guanine nucleotide exchange factors regulate atherosclerotic lesion development in mice. Arterioscler Thromb Vasc Biol. 2013, 33(9):2053-7. PMID: 23825362.

[Impact Factor: 6.80].

14. Ding Q, Cai G, Hu M, Yang Y, Zheng A, Tang Q, Gladson CL, Hayasaka H, Wu H, You Z, Southern BD, Grove LM, **Rahaman SO**, Fang H, Olman MA. FAK-Related Non-Kinase Is a Multifunctional Negative Regulator of Pulmonary Fibrosis. Am J Pathol. 2013, 182(5):1572-84. PMID: 23499373.

[Impact Factor: 4.77].

13. **Rahaman SO***, Zhou G, Silverstein RL*. Vav GEF regulates CD36-mediated macrophage foam cell formation via calcium and dynamin-dependent processes. J. Biol Chem. 2011, 286(41):36011-9. PMID: 21865158.
[Impact Factor: 4.57].
12. Chen K, Li W, Major J, **Rahaman SO**, Febbraio M, Silverstein RL. Vav guanine nucleotide exchange factors link hyperlipidemia and a prothrombotic state. Blood. 2011, 117 (21):5744-50. PMID: 21427288.
[Impact Factor: 11.84].
11. **Rahaman SO***, Swat W, Febbraio M, Silverstein RL*. Vav family Rho guanine nucleotide exchange factors regulate CD36-mediated macrophage foam cell formation. J. Biol Chem. 2011, 286(9):7010-7. PMID: 21209086.
[Impact Factor: 4.57].
10. Silverstein RL, Li W, Park YM, **Rahaman SO**. Mechanisms of cell signaling by the scavenger receptor CD36: Implication in atherosclerosis and thrombosis. Transactions of the American Clinical and Climatological Association. 2010, 121:206-20. Review. PMID: 20697562.
[Impact Factor: 2.24].
9. **Rahaman SO**, Lennon DJ, Febbraio M, Podrez EA, Hazen SL, Silverstein RL. A CD36-dependent signaling cascade is necessary for macrophage foam cell formation. Cell Metab. 2006, 4(3):211-21. PMID: 16950138.
(Cover page illustration)
[Impact Factor: 18.16].
8. Ghosh MK, Sharma P, Harbor PC, **Rahaman SO**, Haque SJ. PI3K-AKT pathway negatively controls EGFR-dependent DNA-binding activity of Stat3 in glioblastoma multiforme cells. Oncogene. 2005, 24 (49):7290-300. PMID: 16007122.
[Impact Factor: 8.46].
7. **Rahaman SO**, Vogelbaum MA, Haque SJ. Aberrant Stat3 signaling by IL-4 in malignant glioma cells: involvement of IL-13Ralpha2. Cancer Res. 2005, 65 (7):2956-63. PMID: 15805299.
[Impact Factor: 9.32].
6. **Rahaman SO**, Harbor PC, Chernova O, Barnett GH, Vogelbaum MA, Haque SJ. Inhibition of constitutively active Stat3 suppresses proliferation and induces apoptosis in glioblastoma multiforme cells. Oncogene, 2002, 21(55):8404-13. PMID: 12466961.
[Impact Factor: 8.46].
5. **Rahaman SO**, Sharma P, Harbor PC, Aman MJ, Vogelbaum MA, Haque SJ. IL-13R(alpha)2, a decoy receptor for IL-13 acts as an inhibitor of IL-4-dependent signal transduction in glioblastoma cells. Cancer Res. 2002, 62(4):1103-9. PMID: 11861389.
[Impact Factor: 9.32].

4. **Rahaman SO**, Ghosh S, Mohanakumar KP, Das S, Sarkar PK. Oxidative damage and altered neurofilament gene expression in vivo in hypothyroid rat brain. Neurosci Res. 2001, 40(3):273-9. PMID: 11448519.
[Impact Factor: **2.68**].
3. **Rahaman SO**, Ghosh S, Mandal SK, Sarkar PK. Reduced expression and altered distribution of neurofilaments in neurons cultured in thyroid hormone-deficient medium. Neuroreport. 2000, 11(12):2717-22. PMID: 10976950.
[Impact Factor: **1.6**].
2. Ghosh S, **Rahaman SO**, Sarkar PK. Regulation of neurofilament gene expression by thyroid hormone in the rat brain. Neuroreport. 1999, 10(11):2361-5. PMID: 10439464.
[Impact Factor: **1.64**].
1. **Rahaman SO**, Mukherjee J, Chakrabarti A, Pal S. Decreased membrane permeability in a polymyxin B-resistant Escherichia coli mutant exhibiting multiple resistance to beta-lactams as well as aminoglycosides. FEMS Microbiol Lett. 1998, 161(2):249-54. PMID: 9570116.
[Impact Factor: **2.09**].

2.b. Submitted manuscripts under review: (total: 4)

1. Gupta N[#], Goswami R[#], Alharbi MO[#], Biswas D, **Rahaman SO***. *P. gingivalis* lipopolysaccharide-induced exacerbation of oxidized LDL-mediated macrophage foam cell formation is reliant on TRPV4 channels. Free Radic Biol Med. 2018.
2. Sharma S[#], Goswami R[#], Zhang DX, **Rahaman SO***. TRPV4 regulates matrix stiffness and TGFβ1-induced epithelial-mesenchymal transition. Journal of Cellular and Molecular Medicine. 2018.
3. Sharma S[#], Goswami R[#], **Rahaman SO***. The TRPV4-TAZ mechanotransduction signaling axis in matrix stiffness- and TGFβ1-induced epithelial-mesenchymal transition. Cellular and Molecular Bioengineering, 2018.
4. Tabashsum Z, Peng M, Kahan E, **Rahaman SO**, Biswas D. Effect of Conjugated Linoleic Acid Overproducing *Lactobacillus* with Berry Pomace Phenolic Extracts on *Campylobacter jejuni* Pathogenesis. Zoonoses and Public Health. 2018.

2.c. Talks, Abstracts and Other Professional Papers Presented:

2.c-i. Invited Talks: (total: 13)

- 2018- “TRPV4 mechanotransduction in epithelial-mesenchymal cell transition”; **International Experimental Biology Annual Meeting**. April 21-25, San Diego, CA, USA.
- 2018- **Keynote Speaker**. Annual TRPV4 channel symposia. Talk title: TRPV4 mechanotransduction in epithelial-mesenchymal cell differentiation. June 08, **Wakayama Medical School, Wakayama, Japan**.
- 2018- **Keynote Speaker**. 13th International Conference on tissue engineering and regenerative medicine. Talk Title: “TRPV4 channel regulates skin fibrosis and wound healing”. July 12-13, **Paris, France**.
- 2018- **Keynote Speaker**. International Conference on wound care, tissue repair and regenerative medicine. Talk Title: “TRPV4 channel regulates skin fibrosis and is associated with scleroderma”. June 14-15, **London, UK**.
- 2018- **Keynote Speaker**. 2nd International Conference on chronic diseases. Talk Title: “TRPV4 channel regulates macrophage pro-atherogenic responses”. July 16-17, **Berlin, Germany**.
- 2017- **Keynote Speaker** at 2nd **International Conference on advances in skin, wound care and tissue science**. Talk Title: “TRPV4 channel regulates skin fibrosis and is associated with scleroderma”. **Frankfurt, Germany**.
- 2017- **International Conference on Chronic Diseases**. Talk Title: “Role of TRPV4 calcium-permeable channel in atherosclerosis”. **Brussels, Belgium**.
- 2017- **International Association for Food Protection (IAFP) Annual Meeting**. Talk Title: “Pre- and Probiotic in Chronic Diseases: Cardiac”. Tampa, Florida, USA.
- 2017- **Keystone International symposia** on Injury, Inflammation, and Fibrosis; Talk Title: “TRPV4 Channel Regulates Dermal Fibrosis and is Associated with Scleroderma”. Snowbird, Utah, USA.
- 2016- **Keynote Speaker** at Annual TRPV channel Symposia: Invited Talk: “TRPV4 mechanotransduction in cell differentiation”. **Wakayama Medical School, Wakayama, Japan**.
- 2015- “TRPV4 mechanotransduction and cell differentiation”; **Fischell Department of Bioengineering**, University of Maryland-College Park. Maryland, USA.
- 2014- “TRPV4 calcium channel deficiency protects against pulmonary fibrosis in mice and abrogates myofibroblast differentiation”; **American Thoracic Society (ATS) International Conference**, San Diego, CA, USA.

- 2005- “A CD36-dependent signaling cascade is necessary for macrophage foam cell formation”; **Federation of American Society for Experimental Biology (FASEB) International Research Conference**, San Francisco, CA, USA.

2.c-ii. Abstract Presented in Conference/Meeting/Workshops: (total: 54)

54. Mazen O. Alharbi, Nabyendu Gupta, Rishov Goswami, **Rahaman SO**. Characterization of ginkgetin, a biflavone, as a novel inhibitor of TRPV4-dependent atherogenic processes in macrophages. UMD Bioscience Day, 2018, College Park, MD, USA.
53. Nabyendu Gupta, Rishov Goswami, **Rahaman SO**. *P. gingivalis* lipopolysaccharide-induced exacerbation of oxidized LDL-mediated macrophage foam cell formation is reliant on TRPV4 channels. NFSC Research Day, 2018, UMD, College Park, MD, USA.
52. Rishov Goswami, Shweta Sharma, **Rahaman SO**. TRPV4 channels regulates matrix stiffness and TGF β 1-induced epithelial-mesenchymal transition. NFSC Research Day, 2018, UMD, College Park, MD, USA.
51. Mazen O. Alharbi, Nabyendu Gupta, Rishov Goswami, **Rahaman SO**. Identification and characterization of ginkgetin, a biflavone, as a novel inhibitor of TRPV4-dependent atherogenic processes in macrophages. UMD Bioscience Day, 2018, College Park, MD, USA.
50. Nabyendu Gupta, Rishov Goswami, **Rahaman SO**. *P. gingivalis* lipopolysaccharide-induced exacerbation of oxidized LDL-mediated macrophage foam cell formation is reliant on TRPV4 channels. UMD Bioscience Day, 2018, College Park, MD, USA.
49. Rishov Goswami, Shweta Sharma, **Rahaman SO**. TRPV4 channels regulates matrix stiffness and TGF β 1-induced epithelial-mesenchymal transition. UMD Bioscience Day, 2018, College Park, MD, USA.
48. **Rahaman SO**. 13th International Conference on tissue engineering and regenerative medicine. Title: “TRPV4 channel regulates skin fibrosis and wound healing”. 2018, July 12-13, **Paris, France**.
47. **Rahaman SO**. International Conference on wound care, tissue repair and regenerative medicine. Title: “TRPV4 channel regulates skin fibrosis and is associated with scleroderma”. 2018, June 14-15, **London, UK**.
46. **Rahaman SO**. 2nd International Conference on chronic diseases. Title: “TRPV4 channel regulates macrophage pro-atherogenic responses”. 2018, July 16-17, **Berlin, Germany**.

45. **Rahaman SO**, Shweta Sharma, Rishov Goswami. The TRPV4-TAZ signaling axis in matrix stiffness- and TGF β 1-induced epithelial-mesenchymal transition. **Annual Experimental Biology International Research Conference**, San Diego, 2018, April 21-25, USA.
44. **Rahaman SO**, Nabyendu Gupta, Rishov Goswami. *P. gingivalis* lipopolysaccharide-induced exacerbation of oxidized LDL-mediated macrophage foam cell formation is reliant on TRPV4 channels. **Annual Experimental Biology International Research Conference**, San Diego, 2018, April 21-25, USA.
43. **Rahaman SO**, Shweta Sharma, Rishov Goswami. TRPV4 channels regulates matrix stiffness and TGF β 1-induced epithelial-mesenchymal transition. **Annual Experimental Biology International Research Conference**, San Diego, 2018, April 21-25, USA.
42. **Rahaman SO**. 2nd International Conference on advances in skin, wound care and tissue science. Talk Title: “TRPV4 channel regulates skin fibrosis and is associated with scleroderma”. 2017, Nov9-10, **Frankfurt, Germany**.
41. **Rahaman SO**. International Conference on chronic diseases. Talk Title: “Role of TRPV4 calcium-permeable channel in atherosclerosis”. 2017, **Brussels, Belgium**.
40. Rishov Goswami, Michael Merth, Shweta Sharma, Mazen O. Alharbi, **Rahaman SO**. TRPV4 regulates oxidized LDL-induced macrophage foam cell formation. American Heart Association Annual Meeting, Anaheim, 2017. CA, USA.
39. Rishov Goswami, Michael Merth, Shweta Sharma, Mazen O. Alharbi, Helim Aranda Espinoza, Xiaoping Zhu, **Rahaman SO**. TRPV4 calcium permeable channels regulate oxidized LDL-induced macrophage foam cell formation. NFSC Research Day, College Park, MD, 2017. USA.
38. Nabyendu Gupta, Rishov Goswami, Michael Merth, Mazen O. Alharbi, Shweta Sharma, **Rahaman SO**. Atherogenic role of TRPV4 calcium channels in *P. gingivalis*-induced exacerbation of oxidized LDL-mediated macrophage foam cell formation. NFSC Research Day, College Park, MD, 2017, USA.
37. Mazen O. Alharbi, Nabyendu Gupta, Rishov Goswami, Shweta Sharma, **Rahaman SO**. Identification and characterization of ginkgetin, a biflavone, as a novel inhibitor of TRPV4-dependent atherogenic processes in macrophages. NFSC Research Day, College Park, MD, 2017, USA.
36. Goswami R, Cohen J, Sharma S, Zhang DX, Lafyatis R, Bhawan J, **Rahaman SO**. 5078 -TRPV4 channel mediates dermal fibroblast differentiation and is associated with scleroderma. **American Association of Dermatology (AAD) Annual Meeting**, Orlando, FL, March 3-7, 2017, USA.
35. Goswami R, Cohen J, Sharma S, Zhang DX, Lafyatis R, Bhawan J, **Rahaman SO**. TRPV4 Channel Regulates Dermal Fibrosis and is Associated with Scleroderma”.

Keystone meeting on Injury, Inflammation, and Fibrosis, Snowbird, Utah, 2017, March, USA.

34. M. Merth, R. Goswami, S. Sharma, **Rahaman SO**. TRPV4 calcium channels regulate macrophage foam cell formation. AGNR Research Day, MD, 2016, USA.
33. M. Merth, R. Goswami, S. Sharma, **Rahaman SO**. TRPV4 calcium channels regulate macrophage foam cell formation. UMD Research Day, College Park, MD, 2016, USA.
32. Rishov Goswami, Jonathan Cohen, Shweta Sharma, David X. Zhang, Robert Lafyatis, Jag Bhawan, **Rahaman SO**. Trpv4 ion channel is associated with scleroderma. UMD Research Day, College Park, MD, 2016, USA.
31. R. Goswami, S. Sharma, K. Adlerz, M. Merth, J. H. Aranda-Espinoza, **Rahaman SO**. TRPV4 mechanosensing regulates normal human lung fibroblast migration. **International protein society**, Baltimore, MD, 2016, USA.
30. R. Goswami, S. Sharma, K. Adlerz, M. Merth, J. H. Aranda-Espinoza, **Rahaman SO**. TRPV4 mechanosensing regulates normal human lung fibroblast migration. NFSC research Day, College Park, MD, 2016, USA.
29. M. Merth, R. Goswami, S. Sharma, **Rahaman SO**. TRPV4 calcium channels regulate macrophage foam cell formation. NFSC Research Day, College Park, MD, 2016, USA.
28. Shweta. Sharma, Rishov Goswami, Michael Merth, K. Y. Lei, **Rahaman SO**. Mechanotransduction via TRPV4 regulates TGFbeta1 and matrix stiffness-induced normal human dermal myofibroblast differentiation. **Keystone International Conference on fibrosis**, Montana, 2016, USA.
27. M. Merth, R. Goswami, S. Sharma, **Rahaman SO**. TRPV4 calcium channels regulate macrophage foam cell formation. UMD Bioscience Day, College Park, MD, 2015, USA.
26. S. Sharma, R. Goswami, M. Merth, K. Y. Lei, **Rahaman SO**. TRPV4 channel regulates both TGFbeta1 and matrix stiffness-induced normal human dermal myofibroblast differentiation. UMD Bioscience Day, College Park, MD, 2015, USA.
25. R. Goswami, S. Sharma, K. Adlerz, M. Merth, J. H. Aranda-Espinoza, **Rahaman SO**. TRPV4 mechanosensing regulates normal human lung fibroblast migration. UMD Bioscience Day, College Park, MD, 2015, USA.
24. B.D. Southern, L.M. Grove, **Rahaman SO**, S. Abraham, K. Niese, R.G. Scheraga, M.A. Olman. Myosin II Facilitates Guidance Of Fibroblast Migration In Normal Lung But Not Fibrotic Lung. **ATS International Conference**, CA, 2014, USA.
23. Rachel G. Scheraga, Susamma Abraham, **Rahaman SO**, Lisa M. Grove, Brian D. Southern, Kathryn Niese, Mitchell A. Olman. Macrophage Response To Endotoxin Depends On Mechanotransduction Through The TRPV4 Ion Channel. **ATS International Conference**, CA, 2014, USA.

22. Lisa M. Grove, **Rahaman SO**, et al., Phosphoinositide 3-Kinase Gamma (PI3K γ) Enhances Transient Receptor Potential Vanilloid 4 (TRPV4) Ion Channel Function And Myofibroblast Differentiation. **ATS International Conference**, CA, 2014, USA.
21. **Rahaman SO** et al., TRPV4 Calcium Channel Deficiency Protects Against Pulmonary Fibrosis In Mice And Abrogates Myofibroblast Differentiation. **ATS International Conference**, CA, 2014.
20. Brian D. Southern, Lisa M. Dominak, **Rahaman SO**, Daniel J. Tschumperlin, Mitchell A. Olman. Consequences of myosin activation in fibroblasts vary in normal versus fibrotic lung. **ATS International Conference** in Philadelphia, PA, 2013. A3999, USA.
19. **Rahaman SO**, S Paruchuri, L. M. Dominak, B. Southern, S. Abraham, K. Niese, S.V. Naga Prasad, W.P. Schilling, D.J. Tschumperlin, M.A. Olman. TRPV4 channel regulates TGFbeta-induced myofibroblast differentiation by activation of PI3K/AKT pathway. **ATS International Conference in Philadelphia**, PA. 2013: A3838, USA.
18. **Rahaman SO**, Paruchuri S, Thodeti CK, Dominak L, Southern BD, Niese K, and Olman MA. TRPV4 channel-dependent Ca²⁺ influx potentiates TGF β 1-induced myofibroblast differentiation. **Keystone International Meeting**, Montana, USA.
17. **Rahaman SO**, Paruchuri S, Thodeti CK, Dominak L, Southern BD, Niese K, Metzger A, and Olman MA. The TRPV4 channel is a novel regulator of myofibroblast transdifferentiation. **ATS International Conference**, San Francisco, USA.
16. **Rahaman SO**, Febbraio M, Zhou G, and Silverstein RL. Vav proteins are mechanistically involved in CD36-dependent atherogenic processes. **FASEB International Research Conference**, Los Angeles, USA.
15. **Rahaman SO**, Febbraio M, Silverstein RL. CD36-dependent sensitization results in increased activation of MAPKs and NF- κ B by LPS in NO₂LDL pretreated cells. Annual Institutional Research Day, Cleveland Clinic, Cleveland, USA.
14. **Rahaman SO**, Lennon DJ, Febbraio M, Podrez EA, Hazen SL, Silverstein RL. A CD36-dependent signaling cascade is necessary for macrophage foam cell formation. **FASEB International Research Conference**, San Francisco, USA.
13. **Rahaman SO**, Lennon DJ, Febbraio M, Podrez EA, Hazen SL, Silverstein RL. A CD36-dependent signaling cascade is necessary for macrophage foam cell formation. Annual Institutional Research Day, Cleveland Clinic Foundation, Cleveland, USA.
12. **Rahaman SO**, Lennon DJ, Febbraio M, Podrez EA, Hazen SL, Silverstein RL. CD36-dependent activation of c-jun N-terminal kinase by modified LDL is involved in macrophage foam cell formation. **Gordon International Research Conference**, Maine, USA.
11. **Rahaman SO**, Lennon DJ, Febbraio M, Podrez EA, Hazen SL, Silverstein RL. CD36-dependent activation of c-jun N-terminal kinase by modified LDL is involved in

macrophage foam cell formation. **North American Vascular Biology Organization**, Chicago, USA.

10. **Rahaman SO**, Lennon DJ, Febbraio M, Podrez EA, Hazen SL, Silverstein RL. CD36-dependent activation of c-jun N-terminal kinase by modified LDL is involved in macrophage foam cell formation. Research Show CASE, 2005, Cleveland, USA.
9. Ghosh MK, **Rahaman SO**, and Haque SJ. AKT attenuates EGFR-dependent DNA-binding activity of Stat3 in glioblastoma multiforme cells. **Society for Neuro-Oncology**, Toronto, Canada.
8. **Rahaman SO**, Vogelbaum MA and Haque SJ. IL-4 potentiates persistent activation of Stat3 in glioblastoma multiforme cells: Cause and consequence. **Society for Neuro-Oncology**, November, 2004, Toronto, Canada.
7. Ghosh MK, **Rahaman SO**, and Haque SJ. PI3K-AKT-mTOR signaling pathway negatively controls the EGFR-mediated activation of Stat3 in glioblastoma cells. **American Association for Cancer Research (AACR) Annual meeting**, Orlando, USA.
6. **Rahaman SO**, Vogelbaum MA and Haque SJ. Aberrant Stat3 signaling via IL-4R/IL-13R activation in malignant glioma cells: involvement of IL-13R α 2. **AACR Annual Meeting**, Orlando, USA.
5. **Rahaman SO** and Haque SJ. Multiple signaling pathways contribute to Stat3 activation in GBM cells: Participation of IL-4R/IL-13R and EGFR. **AACR Annual meeting**, Washington, D.C, USA.
4. **Rahaman SO**, Harbor PC, Chernova O, Barnett GH, Vogelbaum MA and Haque SJ. Inhibition of constitutively active Stat3 suppresses proliferation and induces apoptosis in glioblastoma multiforme cells. Cleveland Clinic, Research Day, Cleveland, USA.
3. **Rahaman SO**, Harbor PC, Chernova O, Barnett GH, Vogelbaum MA and Haque SJ. Constitutive activation of Stat3 signaling inhibits apoptosis and promotes proliferation of glioblastoma cells. **Society for Neuro-Oncology**, Nov 21-24, 2002, San Diego, USA.
2. **Rahaman SO**, Sarma P, Harbor PC, Aman MJ, Vogelbaum MA and Haque SJ. IL-13R(alpha)2 is a negative regulator of both IL-4 and IL-13 dependent signal transduction. **The International Society for Interferon and Cytokine Research (ISICR) meeting**, Oct. 7-11, 2001, Cleveland, OH. USA.
1. **Rahaman SO**, Sharma P, Vogelbaum MA, and Haque SJ. IL-13R(alpha)2, a decoy receptor for IL-13 acts as an inhibitor of IL-4-dependent signal transduction in glioblastoma cells. **World Federation of Neuro-oncology Meeting**, Washington, DC, USA.

2.d. Sponsored Research Grants and Contracts:

2.d-i. Extramural Grants received by Dr. Rahaman: (total: ~ \$2.6 millions)

2017-2021 National Institute of Biomedical Imaging and Bioengineering (1R01EB024556-01)
\$1.72 Millions; 4 years
National Institute of Health (NIH)
“Role of TRPV4 Mechanotransduction in Foreign Body Response”
Role: PI (effort: 90%); PI share amount: 90%

2017-2020 National Science Foundation Standard Grant (CMMI-1662776)
\$398,499; 3 years
National Science Foundation (NSF)
“Substrate rigidity and long non-coding RNA expression: Role of TRPV4 ion channel”
Role: PI (effort: 90%); PI share amount: 90%

2013-2017- National Center Scientist Development Grant (13SDG17310007)
\$308,000; 4 years
American Heart Association (AHA)
“The TRPV4 calcium channel is a novel regulator of myofibroblast differentiation and pulmonary fibrosis”
Role: PI (effort: 100%); PI share amount: 100%

2013-2015- GRA Beginning Grant-in-Aid (12BGIA17240022, rescinded)
\$132,000; 2 years
American Heart Association (AHA)
“The TRPV4 calcium channel is a novel regulator of myofibroblast differentiation and pulmonary fibrosis”
Role: PI (effort: 100%); PI share amount: 100%

2.d-ii. Intramural Grants received by Dr. Rahaman: (total: \$30K)

2015-2016 Maryland Agricultural Experiment Competitive Grants Program
\$30,000; 1.5 years
University of Maryland-College Park (UMD)
“Role of TRPV4 calcium channel in macrophage foam cell formation”
Role: PI (effort: 100%); PI share amount: 100%

2.d-iii. Awarded Fellowship/Grant to Dr. Rahaman's Students:

- 2018- Nabyendu Gupta (PhD student): **\$2500**, Dean's Fellowship Award; University of Maryland-College Park, USA.
- 2016- till: Mazen Alharbi (PhD Student): Full Fellowship for PhD thesis work from Saudi Government. **~\$30,000/year**
- 2017- Rishov Goswami (PhD Student): **\$5000**, Graduate Student Summer Research Fellowship from University of Maryland-College Park.
- 2017- Rishov Goswami (PhD Student): **\$500**, Jacob K. Goldhaber Travel Grant, University of Maryland-College Park.
- 2015- Rishov Goswami (PhD Student): **\$2000**, Merit Scholarship, University of Maryland-College Park.

2.d-iv. Pending Extramural/Intramural Grants:

- 2017-2019 RO3-NIH (1R03DE027478-01)
\$304,000; 2 years
National Institute of Health
"TRPV4, Periodontitis, and Atherosclerosis"
Role: PI (100%)
- 2017-2022 RO1-NIH (R01AR069661)
\$1,865,105; 5 years
National Institute of Health
"The Role of TRPV4 in Scleroderma"
Role: PI (100%)

2.e. Fellowship, Prizes and Awards:

2.e-i. Fellowship and Awards to Dr. Rahaman:

- 2017- National Institute of Health R01 Research Grant Award (\$1.72 Millions)
- 2017- National Science Foundation Standard Research Grant Award (\$400,000)
- 2015- University of Maryland MAES Competitive Research Grant Award (\$30,000)
- 2013- National Scientist Development Grant, American Heart Association (\$308,000)
- 2013- Beginning Grant-in-Aid Award, American Heart Association (\$132,000)
- 2006- Elsa Albrecht Award (1st place), Cleveland Clinic, Cleveland, USA, for outstanding publication by a Research Associate/Project Scientist
- 2006- Junior Investigator Award, The North American Vascular Biology meeting; Finalist
- 2005- Awarded 2nd place in the poster competition in Research Day, Cleveland Clinic, Cleveland, USA
- 2005- 2nd place in the poster competition in Gordon International Research Conference on "Atherosclerosis"
- 2005- Travel Award winner, The American Society for Biochemistry and Molecular Biology
- 2000- Awarded Postdoctoral Fellowship by Cleveland Clinic, Cleveland, USA
- 1997- Awarded Research Fellowship, Government of India, for PhD thesis research work
- 1991- Awarded Scholarship for Bachelor of Science examination, Government of India

2.e-ii. Fellowship/Awards to Dr. Rahaman's PhD, MS, or UG Students:

- 2018- Rishov Goswami (PhD student): TA-Teacher Award; AGNR, University of Maryland-College Park, USA.

- 2018- Rishov Goswami (PhD student): Outstanding Graduate Assistant; University of Maryland-College Park, USA.
- 2018- Nabyendu Gupta (PhD student): Dean's Fellowship Award; University of Maryland-College Park, USA.
- 2017- Nabendu Gupta (PhD Student): Awarded Best Poster; Nutrition and Food Science (NFSC) Department Grad Student Research-Poster & Presentation Contest, University of Maryland-College Park, MD, USA.
- 2017- Rishov Goswami (PhD Student): Awarded 2nd Best Poster, NFSC Grad Student Research-Poster & Presentation Contest, University of Maryland-College Park, MD, USA.
- 2017- Rishov Goswami (PhD Student): Awarded a Graduate Student Summer Research Fellowship, University of Maryland-College Park, MD, USA.
- 2017- Rishov Goswami (PhD Student): Jacob K. Goldhaber Travel Grant, University of Maryland-College Park, MD, USA.
- 2016- till: Mazen Alharbi (PhD Student): Full Fellowship for PhD thesis work from Saudi Government.
- 2016- Rishov Goswami (PhD student): Best Poster Award; College of Agriculture and Natural Resources (AGNR) Grad and Undergrad Student Research-Poster & Presentation Contest, University of Maryland-College Park, USA.
- 2015- Rishov Goswami (PhD student): Merit Scholarship; University of Maryland-College Park, USA.

2.f. Editorships, Editorial Boards and Reviewing Activities:

2.f.i. Editorships and Reviewing Activities for Journals:

Reviewer: International Archives of Cardiovascular Diseases

Reviewer: Oncotarget

Reviewer- American Journal of Respiratory Cell and Molecular Biology

Reviewer- Surgical Neurology International

Editorial Board Member/Reviewer- SM Journal of Nutrition and Metabolism

Reviewer- Cell Metabolism, (invited)

Reviewer- International Journal of Radiation Oncology, Biology, Physics

Reviewer- Journal of Biological Chemistry, (invited)

Editorial Board Member/Reviewer- Insights in Nutrition and Dietetics

Reviewer- Journal of Lipid Research, (invited)

Reviewer- Food and Chemical Toxicology review

Editorial Board Member/Reviewer- Nutr and Food Science International Journal

Editorial Board Member/Reviewer- Journal of Rheumatic Diseases and Treatment

Editorial Board Member/Reviewer - Journal of Proteomics & Bioinformatic

2.f-ii. Reviewing Activities for Agencies and Foundations:

2018- Reviewer: The American Society for Biochemistry and Molecular Biology

2017- Reviewer: Society for Redox Biology and Medicine

2017- Reviewer: HATCH grant, **USDA**, AGNR

2016- Reviewer: **National Institute of Health (NIH).**
Atherosclerosis and Inflammation of the Cardiovascular System
(AICS) Study Section Adhoc Member.

2013- Reviewer: Selected as Early Stage Reviewer to Center for Scientific Review
(CSR)- **National Institute of Health**

2012-current- Reviewer- American Heart Association

3. TEACHING, MENTORING AND ADVISING

3.a. Courses Taught at Undergraduate and Graduate level at UMD-NFSC:

Courses taught in the last ~three and half years. 1st year was exempted from teaching.

2015-Fall:

1. NFSC678F- *Title: Ntrtn & Chronic Disease, Fall-2015 (3 credits, 100% effort), 5 Grad Students*
2. NFSC498F- *Title: Ntrtn & Chronic Disease, Fall-2015 (3 credits, 100% effort), 8 Undergrads*
3. NFSC100- *Title: Elem of Nutrition, Fall-2015 (3 credits; 25% effort), 41 Undergrad Students*

2016-Spring:

1. NFSC678M- *Title: N. & inflammatory disease, Spring-2016 (3 credits, 100% effort), 4 Grad Students*

2016-Fall:

1. NFSC498F- *Title: Ntrtn & Chronic Disease, Fall-2016 (3 credits, 100% effort), 10 Undergrad Students*
2. NFSC678F- *Title: Ntrtn & Chronic Disease, Fall-2016 (3 credits, 100% effort), 1 Grad Students*
3. NFSC100- *Title: Elem of Nutrition, Fall-2016 (3 credits; 25% effort), 52 Undergrad Students*

2017-Spring:

1. NFSC678M- *Title: N. & inflammatory disease, Spring-2017 (3 credits, 100% effort), 6 Grad Students*

2017-Fall:

1. NFSC498F- *Title: Ntrtn & Chronic Disease*, Fall-2016 (**3 credits**, 100% effort), **10** Undergrad Students
2. NFSC678F- *Title: Ntrtn & Chronic Disease*, Fall-2016 (**3 credits**, 100% effort), **4** Grad Students
3. NFSC100- *Title: Elem of Nutrition*, Fall-2016 (**3 credits**; 33% effort), **42** Undergrad

2018-Spring:

1. NFSC678M- *Title: N. & inflammatory disease*, Spring-2017 (**3 credits**, 100% effort), **4** Grad Students

3.b. Course or Curriculum Development by Dr. Rahaman at UMD/NFSC:

Proposed, developed, and taught TWO entirely NEW courses at UMD/NFSC:

1. Proposed, developed, and taught NFSC (Nutrition and Food Science)-**498F/678F** for both Undergraduate and Graduate Students (**3 credits**). The title of the course is: “*Nutrition & Chronic Disease*”.

Course Description and Goals: Analysis of current topics related to diet, nutrition, and human health and chronic diseases at cellular, molecular and biochemical level. Further, this course will provide overview of the current methods, and *in vitro/vivo* model systems used in research. Syllabus includes topics relevant to dietary regulation of genes/proteins and their impact on both physiological and pathological conditions including hyperlipidemia, hyperglycemia, and cancer. This course is designed to help students to understand and apply current scientific concepts and research methods, and to obtain necessary skills in evaluation/interpretation of evidence based scientific data.

2. Proposed, developed, and taught NFSC (Nutrition and Food Science)-**678M** for Graduate Students (**3 credits**). The title of the course is: “*Nutrition & inflammatory disease*”.

Course Description and Goals: Analysis of current topics related to diet, nutrition, and inflammatory disease at cellular, molecular and biochemical level. Further, this course will provide overview of the current methods, and *in vitro/vivo* model systems used in research. Syllabus includes topics relevant to dietary regulation of genes/proteins and their impact on inflammatory diseases. This course is designed to help students to understand and apply current scientific concepts and research methods, and to obtain necessary skills in evaluation/interpretation of evidence based scientific data.

3.c. Advising (other than research direction):

Undergraduate Advising: (total # of Students: 129)

2015-Fall:	# of Students:	8
2016-Spring:	# of Students:	6
2016-Fall:	# of Students:	23
2017-Spring:	# of Students:	23
2017-Fall:	# of Students:	23
2018-Spring:	# of Students:	23
2018-Fall:	# of Students:	23

3.d. Advising (Research Direction):

3.d-i. Undergraduate/Graduate Supervision of Research (Special topics):

1. Michael Merth, NFSC799 (**credits: 3**), *Title: Master Thesis Res*, Fall-2015
2. Rishov Goswami, NFSC898 (**credits: 2**), *Title: Pre-Candidacy Research*, Sum-2015
3. Rishov Goswami: NFSC898 (**credits: 1**), *Title: Pre-Candidacy Research*, Spring-2016
4. Michael Merth: NFSC799 (**credits: 3**), *Title: Master Thesis Res*, Fall-2016
5. Michael Merth: NFSC699 (**credits: 3**), *Title: Probs in Nutr & Food Sci*, Fall-2016
6. Mazen Alharbi: NFSC699 (**credits: 4**), *Title: Probs in Nutr & Food Sci*, Fall-2016
7. Mazen Alharbi: NFSC898 (**credits: 1**), *Title: Pre-Candidacy Research*, Spring-2017
8. Mazen Alharbi: NFSC699 (**credits: 1**), *Title: Prob in Nutr & Food Sci*, Spring-2017

9. Sarah Malik: NFSC498A (**credits: 3**), Spring-2017
10. Ayobami Adebayo: NFSC386 (**credits: 3**), Spring-2017
11. Mazen Alharbi: NFSC699 (**credits: 3**), *Title: Probs in Nutr & Food Sci*, Spring-2018
12. Nabyendu Gupta: NFSC699 (**credits: 3**), *Title: Probs in Nutr & Food Sci*, Spring-2018
13. Rishov Goswami: NFSC699 (**credits: 3**), *Title: Probs in Nutr & Food Sci*, Spring-2018
14. Mazen Alharbi: NFSC898 (**credits: 6**), *Title: Pre-Candidacy Research*, Spring-2018
15. Ayobami Adebayo: NFSC498A (**credits: 3**), Spring-2018

3.d-ii. Undergraduate Students (Mentor: Dr. Rahaman):

1. Jonathan Cohen 2015- 2017, Animal & Avian Sciences Pursuing MS at UCDAVIS
2. Sarah S. Malik 2016- 2017, Nutrition & Food Science Working at NIH
3. Rabia Tahir 2017- current, Nutrition & Food Science Student at UMD
4. Ayobami Adebayo 2016- current, Nutrition & Food Science Student at UMD
5. Alex Kang 2016- current, Nutrition & Food Science Student at UMD

3.d-iii. Master's Thesis Students (Mentor: Dr. Rahaman):

1. Michael Merth 2014- 2016 Nutrition & Food Science **Graduated**
2. Rishov Goswami 2015- 2017 Nutrition & Food Science **Graduated**

3.d-iv. Doctoral Thesis Students (Mentor: Dr. Rahaman):

1. Rishov Goswami 2015-current Nutrition & Food Science PhD Candidate/2020
2. Mazen Alharbi 2016-current Nutrition & Food Science PhD Candidate/2021
3. Nabyendu Gupta 2016-current Nutrition & Food Science PhD Candidate/2021
4. Bidisha Dutta 2018-Fall Nutrition & Food Science PhD Candidate/2023

3.d-v. Postdoctoral (Mentor: Dr. Rahaman):

1. Shweta Sharma 2015-Present Nutrition & Food Science Working at UMD
2. Rakesh Arya 2018-present Nutrition & Food Science Working at UMD

3.d-vi. Other Mentorship-Research Direction:

- 2015-Summer: Rishov Goswami, PhD student; Role: Mentor
- 2015-Summer: Chitrin Biswas, High School student; Role: Mentor
- 2015-Summer: Michael Merth, MS Graduate Student; Role: Mentor
- 2015-Summer: Jonathan Cohen, Under Graduate Student; Role: Mentor
- 2015-Summer: Shweta Sharma, Post Doctoral Fellow; Role: Mentor
- 2016-Summer: Rishov Goswami, PhD student; Role: Mentor
- 2016-Summer: Michael Merth, MS Graduate Student; Role: Mentor
- 2016-Summer: Jonathan Cohen, Under Graduate Student; Role: Mentor
- 2016-Summer: Shweta Sharma, Post Doctoral Fellow; Role: Mentor
- 2016-Summer: Sarah S. Malik, Under Graduate Student; Role: Mentor
- 2017-Summer: Rishov Goswami, PhD student; Role: Mentor
- 2017-Summer: Mazen Alharbi, Graduate PhD Student; Role: Mentor
- 2017-Summer: Jonathan Cohen, Under Graduate Student; Role: Mentor
- 2017-Summer: Nabyendu Gupta, Graduate PhD student; Role: Mentor
- 2017-Summer: Sarah S. Malik, Under Graduate Student; Role: Mentor

3.e. Extension Activities:

- 2014- **Invited talk-** Course taught at Department of Avian and Animal Science for Graduate Students-UMD
- 2014- **Judging-** Bioscience Day Annual Poster Presentation, UMD
- 2014- **Judging-** AGNR Annual Poster Presentation, UMD
- 2015- **Invited talk-** TRPV4 mechanotransduction and cell differentiation; Fischell Department of Bioengineering, UMD
- 2015- **Judging-** Bioscience day Annual Poster Presentation, UMD
- 2016- **Invited talk-** Course taught at Department of Avian and Animal Science for Graduate Students, UMD
- 2016- **Judging-** Bioscience day Annual Poster Presentation
- 2016- **Judging-** AGNR Annual Poster Presentation, UMD
- 2016- **Reviewer-** National Institute of Health (NIH)
- 2017- **Reviewer-** HATCH grant, USDA
- 2017- **Judging-** Bioscience Day Annual Poster Presentation
- 2017- **Reviewer-** Society for Redox Biology and Medicine
- 2018- **Reviewer-** American Society for Biochemistry and Molecular Biology
- 2018- **Judging-** ANSC Annual Poster Presentation, UMD

4. SERVICE

4.a. Professional:

4.a-i. Offices/Committee Memberships held in Professional Organizations:

Professional Memberships:

2008-Present	Life member of Indian Science Congress
2011-Present	Member of The American Thoracic Association
2009-Present	Member of The American Heart Association
2016-Present	Member of The International Protein Society
2017-Present	Member of The American Society for Biochemistry and Molecular Biology (ASBMB)

4.a-ii. Reviewing activities for agencies:

2018-	Reviewer: American society for Biochemistry and Molecular Biology
2017-	Reviewer: Society for Redox Biology and Medicine
2017-	Reviewer: HATCH grant, USDA-AGNR
2016-	Reviewer: AICS Study Section Adhoc Member, Center for Scientific Review's (CSR), National Institute of Health (NIH)
2012-Current-	Reviewer: American Heart Association

4.a-iii. International Activities:

- 2018- Organizing committee member and Keynote Speaker at 13th International Conference on tissue engineering and regenerative medicine, July 12-13, **Paris, France.**
- 2018- Keynote Speaker, session co-Chair, and Organizing committee member for International Conference on wound care, tissue repair, and regenerative medicine, June 14-15, **London, UK.**
- 2018- Keynote Speaker at annual TRPV Symposia: Invited Talk: TRPV4 mechanotransduction in cell differentiation, Wakayama Medical School, **Wakayama, Japan.**
- 2018- Organizing committee member for 2nd International Conference on Nutrition and Obesity, August 13-15, **London, UK.**
- 2018- Organizing committee member and Keynote Speaker at 2nd International Conference on Chronic Diseases, July 16-17, **Berlin, Germany.**
- 2017- Keynote Speaker and sessions Chair at 2nd International Conference on advances in skin, wound care and tissue science. Talk Title: “TRPV4 channel regulates skin fibrosis and is associated with scleroderma”. **Frankfurt, Germany.**
- 2017- Invited Speaker at **International Conference on chronic diseases.** Talk Title: “Role of TRPV4 calcium-permeable channel in atherosclerosis”. **Brussels, Belgium.**
- 2017- Organizing committee member for International Conference on Nutrition and Dietetics, **Dublin, Ireland.**
- 2017- Organizing committee member for International Conference on Chronic Diseases, Aug 31-Sep01, 2017, **Brussels, Belgium.**
- 2017- Organizing committee member for 3rd Annual Congress on Bioscience, Oct 16-17, 2017, **Dubai, UAE.**
- 2017- Organizing committee member for 14th International Conference on Clinical Nutrition, July 27-29, 2017, **Rome, Italy.**
- 2017- Organizing committee member for 2nd International Conference on Wound care, Nov 9-10, 2017, **Frankfurt, Germany.**
- 2017- Organizing committee member for 14th Global Obesity Meeting, Oct 23-24, 2017, **Dubai, UAE.**

- 2017- **Invited Speaker** (Rishov Goswami, PhD student) at American Association of Dermatology International Annual Meeting, Orlando, FL, March 3-7, 2017. Talk title: TRPV4 channel mediates dermal fibroblast differentiation and is associated with scleroderma; **Orlando, FL, USA.**
- 2017- **Invited Speaker** at **Keystone International symposia** on Injury, Inflammation, and Fibrosis; Talk Title: TRPV4 Channel Regulates Dermal Fibrosis and is Associated with Scleroderma, Snowbird, **Utah, USA.**
- 2016- **Keynote Speaker** at annual TRPV Symposia: Invited Talk: TRPV4 mechanotransduction in cell differentiation. Wakayama Medical School, **Wakayama, Japan.**

4.b. Campus (University of Maryland-College Park) activities:

4.b-i. Departmental (Department of Nutrition and Food Science):

- | | | |
|--------------|---------------|--|
| 2018 | Chair: | The NFSC Annual Research Day Organization Committee |
| 2016-2017 | Chair: | MS Thesis Committees for Rishov Goswami |
| 2017-Present | Member: | Curriculum Committee for Nutrition |
| 2017-Present | Member: | Assistant/Associate Professor Search Committee |
| 2016-Present | Member: | TA Selection Committee |
| 2016-Present | Chair: | The NFSC Scholarship and Awards Committee |
| 2016-Present | Member: | The NFSC Student Admission Committee |
| 2016-Present | Member: | The NFSC Annual Research Day Organization Committee |
| 2016-Present | Member: | The NFSC Undergraduate Advising Committee on Nutrition |
| 2015-2016 | Member: | MS Thesis Committees for Kathy |
| 2016-2017 | Chair: | MS Thesis Committees for Michael Merth |
| 2016 | Member: | PhD Thesis Committees for Reem Albassam |
| 2015-2016- | Member: | NFSC Lecturer Hiring Committee |

2015-2018 Member: PhD Thesis Committees for Kristen S Gambat

2015-2018 Member: PhD Thesis Committees for Afnan

4.b-ii. College (College of Agriculture and Natural Resources):

2018- Judging: ANSC Annual Poster Presentation, UMD

2018-Present Member: PhD Thesis Committee for Arpita Aditya; Animal And Avian Science Department

2017- Reviewer: HATCH grant, AGNR

2016- Marshal: AGNR College Spring Graduation

2016- Judging: AGNR College Annual Poster Presentation

2016-Present Member: MS Thesis Committee for Zajeba Tabasum; Animal And Avian Science Department

2016-Present Member: Shorb Lecture Committees

2014- Judging: AGNR College Annual Poster Presentation

4.b-iii. University (University of Maryland-College Park):

2017-present Advisor: Student Health and Educational Relief Organization

2017-Present Member: **Senate Student Affairs Committee**

2017- Judging: Bioscience day Annual Poster Presentation

2016- Judging: Bioscience day Annual Poster Presentation

2015- Judging: Bioscience day Annual Poster Presentation

2014- Judging: Bioscience day Annual Poster Presentation