

Administrative and Extracurricular Appointments:

2022~	Member, NSU IACUC
2021~2022	Canvas Coordinator, SHLS, NSU
2021~2022	Member, Canvas Rollout Steering Committee, NSU
2021~2022	Member, SHLS CRF Coordination Committee
2021	Member, NSU Pathology Lab Coordination Committee
2021	Member, NSU Brochure Committee
2020-2021	Member, Research Misconduct Investigation Committee (RMIC)
2020	Head, Graduate Defense Summer 2020 Committee Department of Pharmaceutical Sciences
2020	Head, Graduate Defense Spring 2020 Committee Department of Pharmaceutical Sciences
2019-2021	Research Coordinator, School of Health and Life Sciences
2017-2018	Coordinator, Spring 2018 Undergraduate Examination Committee Department of Pharmaceutical Sciences
2017-2018	Graduate Program Coordinator (GPC) Department of Pharmaceutical Sciences
2017	Coordinator, Academic Support Sub-committee Department of Pharmaceutical Sciences
2014	Faculty advisor North South University Pharmacy Club

Industry Experience:

2002 to 2004 Executive

Division of International Marketing
The ACME Laboratories Limited, Dhaka, Bangladesh

- Coordinated international marketing operations of pharmaceutical finished products for countries like Australia, China, India, Sri Lanka, and Pakistan.
- Major duties involved identification and development of international markets for medical products, drafting business agreements, preparation of marketing plans, development of promotional materials, preparation of reports, participation in international meetings and exhibitions.

Publications:

Articles in peer-reviewed international journals:

SL. No.	Citation	Impact Factor	Scimago Rank
1.	Bepari AK, Shatabda S, Reza HM. Virtual screening of flavonoids as potential RIPK1 inhibitors for neurodegeneration therapy. PeerJ. 2024;12.	2.7	Q1
2.	Bepari AK, Rabbi G, Shaon HR, Khan SI, Zahid ZI, Dalal K, Reza HM. 2023a. Factors Driving Antimicrobial Resistance in Rural Bangladesh: A Cross-Sectional Study on Antibiotic Use-Related Knowledge, Attitude, and Practice Among Unqualified Village Medical Practitioners and Pharmacy Shopkeepers. <i>Advances in Therapy</i> 40:3478–3494. DOI: 10.1007/s12325-023-02547-5.	4.22	Q1
3.	Johra, F.T., Hossain, S., Jain, P., Bristy, A.T., Emran, T., Ahmed, R., Sharker, S.M., Bepari, A.K. and Reza, H.M., 2023. Amelioration of CCl4-induced oxidative stress and hepatotoxicity by <i>Ganoderma lucidum</i> in long evans rats. <i>Scientific Reports</i> , 13(1), p.9909.	4.996	Q1
4.	Bepari, A.K., Rabbi, G., Shaon, H.R., Khan, S.I., Zahid, Z.I., Dalal, K. and Reza, H.M., 2023. Factors Driving Antimicrobial Resistance in Rural Bangladesh: A Cross-Sectional Study on Antibiotic Use-Related Knowledge, Attitude, and Practice Among Unqualified Village Medical Practitioners and Pharmacy Shopkeepers. <i>Advances in Therapy</i> , pp.1-17.	4.22	Q
5.	Namme, J.N., Reza, H.M. and Bepari, A.K. , 2023. Computational analysis and molecular dynamics simulation of high-risk single nucleotide polymorphisms of the ADAM10 gene. <i>Journal of Biomolecular Structure and Dynamics</i> , pp.1-13.	5.235	Q2
6.	Hossain M, Suchi TT, Samiha F, Islam MM, Tully FA, Hasan J, Rahman MA, Shill MC, Bepari AK , Rahman GS, Reza HM.	3.776	Q1

	Coenzyme Q10 ameliorates carbofuran induced hepatotoxicity and nephrotoxicity in wister rats. Heliyon. 2023 Feb 14.		
7.	Bepari AK , Takebayashi H, Namme JN, Rahman GM, Reza HM. A computational study to target necroptosis via RIPK1 inhibition. Journal of Biomolecular Structure and Dynamics. 2022 Jul 30:1-6.	5.235	Q2
8.	Rahman MA, Shuvo AA, Bepari AK , Hasan Apu M, Shill MC, Hossain M, Uddin M, Islam MR, Bakshi MK, Hasan J, Rahman A. Curcumin improves D-galactose and normal-aging associated memory impairment in mice: In vivo and in silico-based studies. Plos one. 2022 Jun 29;17(6):e0270123.	3.752	Q1
9.	Shill MC, Biswas B, Islam M, Rima SS, Ferdousi FA, Chowdhury Q, Reza HM, Bepari AK . 2022. Screening of plasma IL-6 and IL-17 in Bangladeshi lung cancer patients. :2022.03.27.22272998. DOI: 10.1101/2022.03.27.22272998.	NA	NA
10.	Jain P, Bepari AK , Sen PK, Rafe T, Imtiaz R, Hossain M, Reza HM. High prevalence of multiple antibiotic resistance in clinical E. coli isolates from Bangladesh and prediction of molecular resistance determinants using WGS of an XDR isolate. Scientific reports. 2021 Nov 24;11(1):22859.	4.996	Q1
11.	Bizen N, Bepari AK , Zhou L, Sakimura K, Ono K, Takebayashi H. Ddx20, an Olig2 binding factor, governs the survival of neural and oligodendrocyte progenitor cells via proper Mdm2 splicing and p53 suppression. Cell Death Differ. Published online January 1, 2022:1-14. doi:10.1038/s41418-021-00915-8	15.83	Q1
12.	Namme JN, Bepari AK* , Takebayashi H.* Cofilin Signaling in the CNS Physiology and Neurodegeneration. International Journal of Molecular Sciences. 2021 Jan;22(19):10727.	5.923	Q1
13.	Shill MC, Bepari AK , Khan M, Tasneem Z, Ahmed T, Hasan MA, et al. Therapeutic Potentials of Colocasia affinis Leaf Extract for the Alleviation of Streptozotocin-Induced Diabetes	6.922	Q1

	and Diabetic Complications: In vivo and in silico-Based Studies. <i>Journal of Inflammation Research</i> . 2021 Feb 19;14:443–59.		
14.	Emran T, Chowdhury NI, Sarker M, Bepari AK , Hossain M, Rahman GMS, et al. L-carnitine protects cardiac damage by reducing oxidative stress and inflammatory response via inhibition of tumor necrosis factor-alpha and interleukin-1beta against isoproterenol-induced myocardial infarction. <i>Biomedicine & Pharmacotherapy</i> . 2021 Nov 1;143:112139.	6.529	Q1
15.	Bepari AK , Reza HM. Identification of a novel inhibitor of SARS-CoV-2 3CL-PRO through virtual screening and molecular dynamics simulation. <i>PeerJ</i> . 2021 Apr 13;9:e11261.	2.984	Q1
16.	Bari R, Bepari AK , Reza HM. COVID-19: Lessons from Norway tragedy must be considered in vaccine rollout planning in least developed/developing countries. <i>Open Medicine</i> . 2021;16(1):1168–9.	2.199	Q3
17.	Akash SZ, Lucky FY, Hossain M, Bepari AK , Rahman GM, Reza HM, et al. Remote Temperature-Responsive Parafilm Dermal Patch for On-Demand Topical Drug Delivery. <i>Micromachines</i> . 2021;12(8):975.	2.891	Q2
18.	Reza HM, Saleh R, Jain P, Rahman GMS, Bepari AK . C-MAF Expression in Adult Human Ocular Surface and its Implication in Pterygium Pathogenesis. <i>Reports of Biochemistry and Molecular Biology</i> . 2020 Jan 10;8(4):419–28.	-	Q3
19.	Johra FT, Bepari AK , Bristy AT, Reza HM. A Mechanistic Review of β -Carotene, Lutein, and Zeaxanthin in Eye Health and Disease. <i>Antioxidants</i> . 2020 Nov;9(11):1046.	6.312	Q2
20.	Toda, H., Kawasaki, K., Sato, S., Horie, M., Nakahara, K., Bepari, A.K. , Sawahata, H., Suzuki, T., Okado, H., Takebayashi, H., Hasegawa, I., 2018. Locally induced neuronal synchrony precisely propagates to specific cortical areas	4.379	Q1

	without rhythm distortion. <i>Scientific Reports</i> . 2018;8(1). doi:10.1038/s41598-018-26054-8.		
21.	Pohlkamp T, Xiao L, Sultana R, Bepari A , Bock HH, Henkemeyer M, et al. Ephrin Bs and canonical Reelin signalling. <i>Nature</i> . 2016 Nov;539(7630):E4–6.	49.962	Q1
22.	Horie M, Watanabe K, Bepari AK , Nashimoto J, Araki K, Sano H, et al. Disruption of actin-binding domain-containing Dystonin protein causes dystonia musculorum in mice. <i>European Journal of Neuroscience</i> . 2014 Nov;40(10):3458–71.	3.386	Q2
23.	Bepari AK , Watanabe K, Yamaguchi M, Tamamaki N, Takebayashi H. Visualization of odor-induced neuronal activity by immediate early gene expression. <i>BMC Neuroscience</i> . 2012 Nov 5;13(1):140.	3.288	Q2
24.	Bepari AK , Sano H, Tamamaki N, Nambu A, Tanaka KF, Takebayashi H. Identification of Optogenetically Activated Striatal Medium Spiny Neurons by Npas4 Expression. <i>PLoS ONE</i> . 2012 Dec 26;7(12):e52783.	3.240	Q1
25.	Watanabe K, Takebayashi H, Bepari AK , Esumi S, Yanagawa Y, Tamamaki N. Dpy19l1, a multi-transmembrane protein, regulates the radial migration of glutamatergic neurons in the developing cerebral cortex. <i>Development</i> . 2011 Nov 15;138(22):4979–90.	6.868	Q1

Conference papers (Posters/Abstracts):

1. Jannatun Nayem Namme, Hasan Mahmud Reza, G.M. Sayedur Rahman, **Asim Kumar Bepari**. In-silico prediction of high-risk pathogenic nsSNPs in the human ADAM10 gene. NDP-007, ICGNB-2022, Dhaka.
2. Jannatun Nayem Namme, Hasan Mahmud Reza, **Asim Kumar Bepari**. Molecular docking and ADMET profiling of approved drugs and marine natural product to screen FBXO7 inhibitors for treatment of Parkinson's disease. NDP-009, ICGNB-2022, Dhaka.
3. A de novo drug design approach to identify a potentially bioavailable PIM1 inhibitor. Azmy Mohammad Sayed, **Asim Kumar Bepari**, G.M. Sayedur Rahman. NDP-011, ICGNB-2022, Dhaka.
4. Tamanna Tanjim Suchi, Manik Chandra Shill, **Asim Kumar Bepari**, G.M. Sayedur Rahman, Hasan Mahmud Reza, Murad Hossain. Coenzyme Q10 Ameliorates Carbofuran Induced Hepatotoxicity and Nephrotoxicity in Wister Rats. PTP-004, ICGNB-2022, Dhaka.
5. Fatima Tuj Johra, Sukria Hossain, Anika Tabassum Bristy, Tushar Emran, **Asim Kumar Bepari**, Preeti Jain, Hasan Mahmud Reza. Evaluation of the hepatoprotective effect of *Ganoderma lucidum* on CCl4-induced hepatotoxicity. PTP-011, ICGNB-2022, Dhaka.
6. Pohlkamp T., Connor J., Durakoglugil M., Xian X., Xiao L., **Bepari A.**, Henkemeyer M., Herz J. (2016). Reelin and EphB/Ephrin-B Interplay: Neuronal Migration or Synaptic Plasticity? Neurobiology of Brain Disorders (GRS) Gordon Research Seminar. PGA Catalunya Business and Convention Centre, Girona, Spain. 2016.8.6-2016.8.7.
7. **Bepari, A.K.**, Watanabe, K., Yamaguchi, M., Tamamaki, N., and Takebayashi, H. (2012). Sensitive detection of neuronal activity by immediate early gene expression. *Journal of Neurochemistry* 123, Suppl. 1, 128.
8. Takebayashi, H., **Bepari, A.K.**, Yamaguchi, M., and Tamamaki, N. (2011). Brain Response to environmental change: Odor-evoked induction of activity-dependent gene expression in mouse brain. *54th Annual Meeting of The Japanese Society for Neurochemistry*. Ishikawa, Japan. P2-11, 2011.9.26-28.
9. **Bepari, A.K.**, Yamaguchi, M., Tamamaki, N., and Takebayashi, H. (2011). Detection of activity dependent gene expression in olfactory circuit by in situ hybridization probe set. *Neuroscience Research* 71, Supplement, e153.
10. Watanabe, K., Takebayashi, H., **Bepari, A.K.**, Esumi, S., Yanagawa, Y., and Tamamaki, N. (2011). Dpy19L1, a multi-transmembrane protein, is required for radial migration of glutamatergic neurons in the developing neocortex. *Neuroscience Research* 71, Supplement, e230.
11. Watanabe, K., **Bepari, A.K.**, Takeda, N., Araki, K., and Takebayashi, H. (2012). Roles of Dpy19 family in development of the cerebral cortex. *Journal of Neurochemistry* 123, Suppl. 1, 49.
12. **Bepari, A.K.**, Yamaguchi, M., Tamamaki, N., and Takebayashi, H. (2011). Brain response to environmental change: Odor-evoked induction of activity-dependent gene expression in mouse

brain. *KEY Forum in Developmental Biology and Regenerative Medicine*. 100th Anniversary Memorial Hall, Kumamoto University, Kumamoto, Japan. 1-26, 2011.09.8-9.

13. Watanabe, K., Takebayashi, H., **Bepari, A.K.**, Esumi, S., Yanagawa, Y., and Tamamaki, N. (2010). Novel transmembrane protein Gsg1 is essential for radial migration and dendrite formation of glutamatergic neurons in the Cerebral cortex. *THE 29th NAITO CONFERENCE ON GLIA WORLD-Dynamic Function of Glial Cells in the Brain*. Shonan Village, Hayama-machi Miura-gun, Kanagawa, Japan. 2010.10.05-08.
14. **Bepari, A.K.**, Usui, N., Ikenaka, K., Tamamaki, N., and Takebayashi, H. (2010). Left-right brain asymmetry in mice. *2010 Global COE-IMEG Joint Summer Retreat Seminar in Aso*. Mt. Aso, Japan. 2010.09.09-10.
15. Takebayashi, H., **Bepari, A.K.**, Usui, N., Ikenaka, K., and Tamamaki, N. (2010). Analysis on brain left-right asymmetry. *Fourth Neural Development Seminar*. Okazaki, Japan 2010.03.19-20.

Personal Information

Mailing Address: House-42, Apt-A7, Road-9, Block-B, Bashundhara R/A, Dhaka, Bangladesh

Permanent Address: Vill- Taluker Charduani, Post-Charduani, P/S- Patharghata, Dist-Barguna

Cell Phone: +8801716089859

Office Phone: +880255668200 Ext- 1951

Email: asim.bepari@northsouth.edu, asimbepari@gmail.com

References

1. Professor Dr. Mark Henkemeyer
Department of Neuroscience
University of Texas Southwestern Medical Centre
Dallas, Texas, USA
Email: mark.henkemeyer@utsouthwestern.edu
Tel: +1-214-645-5916
2. Professor Dr. Hirohide Takebayashi
Division of Neurobiology and Anatomy
Graduate School of Medical and Dental Sciences
Niigata University, Japan
Email: takebaya@med.niigata-u.ac.jp
Tel: +81-96-373-5349