

Md. Habibur Rahaman

Lecturer

Department of Biochemistry and Microbiology

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Research Interest

- My research interest lies in the milieu of Protein Science and Structural Biology

Education

- Master of Science (MSc) (Sep. 2012 - Oct. 2013)
Molecular Medicine (Cancer)
University of Sheffield, UK
Merit-68% marks [= >70% is Distinction]
- Master of Science (M.S.) (Aug. 2010 - Sep. 2011)
Department of Genetic Engineering & Biotechnology
University of Dhaka, Bangladesh
GPA **3.87** out of **4** (Secured **3rd** place)
- Bachelor of Science (B.S.) (Apr. 2006 - May 2010)
Department of Genetic Engineering & Biotechnology
University of Dhaka, Bangladesh
cGPA **3.93** out of **4** (Secured **1st** place)
- Higher Secondary School Certificate (H.S.C.), Science Group (2005)
Chittagong Board, Bangladesh
GPA **5** out of **5**
- Secondary School Certificate (S.S.C.), Science Group (2002)
Chittagong Board, Bangladesh
GPA **4.50** out of **5**

Academic Experience

- Lecturer (16 Sep. 2014-till to date)
Department of Biochemistry and Microbiology, North South University, Bangladesh
- Lecturer (10 Aug. 2014- 15 Sep. 2014)
School of Life Sciences, Independent University, Bangladesh (IUB)

Research Experience

- Research Officer (Feb. 2014 – Jul. 2014)
Enteric and Food Microbiology Lab, ICDDR,B, Bangladesh
- Research Associate (Nov. 2011- Aug. 2012)
Plant Biotechnology Lab, University of Dhaka, Bangladesh

Publications

- **Rahaman MH**, Islam T, Colwell RR and Alam M (2015). Molecular tools in understanding the evolution of *Vibrio cholerae*. *Front. Microbiol.* **6**:1040.
- Zaman, A., **Rahaman, M.H.**, and Razzaque, S. (2013). Kaposi's sarcoma: a computational approach through protein-protein interaction and gene regulatory networks analysis. *Virus Genes* **46**: 242-254.

Conference Presentations

- Ali MT, **Rahaman MH**, Islam MK and Akter S.: Targeting peptide deformylase: An *in-silico* approach to identify the novel bioactive marine compounds to treat *Helicobacter pylori*. In: 2nd GNOBB Conference-ICBHA, January 2015, University of Dhaka, Bangladesh.
- **Rahaman, M.H.**, and Sayers, J. R.: Bacterial Flap Endonucleases (FENs): Purification and Characterisation of The *Pseudomonas aeruginosa* FEN (PaFEN). In: The Genomics of Common Diseases, September 7-10 (2013), Keble College, University of Oxford, UK. Organised by the Wellcome Trust and Nature Genetics.
- Zaman, A., Razzaque, S., and **Rahaman, M.H.**: Kaposi's sarcoma: Understanding protein-protein interaction and gene regulatory networks through a computational approach. In: Joint Conference of HGM-2013 and 21st International Congress of Genetics, April 13–18 (2013), Singapore.
- Zaman, A., **Rahaman, M.H.**, and Razzaque, S.: Designing an *in-silico* protein-protein interaction profile and gene regulatory network for Kaposi's Sarcoma-associated Herpes Virus. In: Antivirals for the Developing World, February 7-10 (2012), ICGEB, New Delhi, India.

Awards and Achievements

1. Commonwealth Shared Scholarship, awarded by the University of Sheffield and the Commonwealth Scholarship Commission (CSC), UK (Full funding for overseas MSc, 2012-13)
2. The CSC, UK, awarded registration and travel grants to present a poster at the Genomics of Common Diseases Conference, University of Oxford, UK (2013)
3. Commonwealth Shared Scholarship, awarded by the University of Leicester and the CSC, UK (2012, Deferred)
4. University Grant Commission's Scholarship for the outstanding results in B.S. Honours (2014)
5. Prime Minister's Gold Medal for the highest cGPA in B.S. Honours in the Faculty of Biological Sciences, University of Dhaka, Bangladesh (Nominated, 2012)
6. NSICT Fellowship 2011-12, awarded by the Ministry of Science, Information and Communication Technology, Government of Bangladesh (Bursary for M.S. research)
7. Dean's Award for the outstanding results in B.S. Honours (2011)
8. Pre-Graduation Merit Scholarship in undergrad level (Fee waiver, 2009)
9. Placed 31st (among 25,000 candidates) in the admission test of University of Dhaka (2006)
10. Listed as a Reviewer, International Journal of Pediatrics and Adolescent Medicine, King Faisal Specialist Hospital and Research Centre, Riyadh, KSA (2014)

Key Skills

- Languages
 - English: Excellent
 - Bengali: Mother tongue
- Laboratory
 - DNA extraction, PCR, RFLP, Sequencing, Western blotting and Immunoblotting, Cloning and transformation, Protein expression and purification, Ion-exchange and affinity chromatography, UV exonuclease assay, FRET assay, Endonuclease assay
- Computational
 - Efficient use of Microsoft Office, Networking & Internet, Basic concepts of C-programming, Perl-programming and R-programming, GraphPad Prism, Bioinformatics & computational systems biology, Homology modelling, Molecular docking/*in-silico* drug designing

Referees

- **Prof. Jon R Sayers**
Department of Infection, Immunity & Cardiovascular Disease
University of Sheffield
The Medical School
Beech Hill Road
Sheffield, S10 2RX
United Kingdom
E-mail: j.r.sayers@sheffield.ac.uk
- **Prof. Md. Anwarul Azim Akhand**
Department of Genetic Engineering & Biotechnology
University of Dhaka
Dhaka-1000, Bangladesh
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- **Dr. Abdul Khaleque**
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Dhaka-1229, Bangladesh
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