

Zain Omar Ali
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Education

Harvard University, , Cambridge, USA

2016 A.M Molecular & Cellular Biology (Genetics and Evolution) Thesis
“*Evolutionary Genetics in wild mice and yeast*”
Thesis Advisor: Andrew Murray (PhD)

Carleton College, Northfield, USA

2008 BA. Biology (magna cum laude)

United World College of the Atlantic, UK

2004 International Baccalaureate (Llantwit Major)

Employment Experience

Independent University, Bangladesh (IUB), Bashundhara, Dhaka School of Life Sciences

Adjunct Lecturer, September, 2016- October, 2016

Harvard University, Cambridge, USA,
Life Sciences 1b,
Teaching Fellow, January, 2014 – May, 2014.

Harvard University, Cambridge, USA,
Genetics Genomics & Evolution,
Teaching Fellow, September, 2012 – December, 2012.

Research Experience

Howard Hughes Medical Institute, Maryland, United States
Jackson Laboratory,
Research Assistant, February, 2009 – June, 2011

- Conducted and reported experiments relating to two projects: (i) complex genetics of glaucoma susceptibility in inbred mouse strains, (ii) molecular mechanisms of disease etiology in a Mendelian mouse model of angle-closure glaucoma.

Honors / Awards

Mind Brain Behavior Award for proposal “Molecular Profiling of Neurons Mediating Behavioral Evolution” (Harvard University, 2014)

Robert A. Chapman Memorial Scholarship (Harvard University, 2013)

Dean’s List (Carleton College, 2005)

Starr International Scholarship (Carleton College, 2004)

Davis United World College Incentive Scholarship (Carleton College, 2004)

Publications

Nair, K.S. *et al.* Alteration of the serine protease PRSS56 causes angle-closure glaucoma and posterior microphthalmia in humans and mice. *Nature Genetics*. **43**, 579-584 (2011)

Nair K.S., Ali Z. and John S.W.M. (2010) "Multiple Genes Determine Frequency and Severity of IOP elevation in Mouse Glaucoma." Poster and Abstract: Association for Research in Vision and Ophthalmology Annual Meeting 2010, Ft Lauderdale, Florida.