

Bamidele O. Tayo, Ph.D.

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PROFILE

Dr. Bamidele Tayo has an educational background in Human Nutrition, Statistics, Statistical Genetics, Epidemiology and Community Health. Dr. Tayo is a Fellow of the Royal Statistical Society. He is also a professional member of the International Genetic Epidemiology Society and the American Society of Human Genetics. Dr. Tayo's research interests include genetic mapping of complex diseases, development and evaluation of statistical methods for genetic linkage and association studies.

EDUCATION

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| Bachelor of Science <i>University of Ibadan, Nigeria</i> Human Nutrition | 1990 |
| Ordinary Certificate in Statistics <i>Royal Statistical Society, London</i> | 1997 |
| Postgraduate Diploma in Statistics <i>University of Ibadan, Nigeria</i> | 1998 |
| Master of Science <i>European School for Advanced Studies in Molecular Medicine and Genetic Epidemiology, University of Pavia, Italy</i> Statistical Genetics | 2000 |
| Doctorate of Philosophy <i>State University of New York at Buffalo</i> Epidemiology and Community Health | 2006 |

HONORS AND AWARDS

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| Fellowship Award <i>Istituto Universitario di studi Superiori, the University of Pavia, Italy</i> | 2000 |
| Professional Development Award <i>New York State</i> Association Mapping and Genetics and Clinical Trials | 2003 |
| Scholarship Award <i>Rockefeller University</i> Advanced Linkage and Gene Mapping. | 2003 |
| Scholarship <i>North Carolina State University</i> Markov Chain Monte Carlo for Genetics and Advanced Pedigree MCMC. | 2004 |
| Professional Development Award <i>New York State</i> Independent study on genetic data analysis with S-PLUS/R. | 2006 |

RECENT PUBLICATIONS

1. Jackai LEN, Nokoe S, **Tayo BO**, Koon, P. Inferences on pod wall and seed defences against the brown cowpea coreid bug, *Clavigralla tomentosicollis* Stal. (Hem., Coreidae) in wild and cultivated *Vigna* species. *J. appl. entomol. Journal of applied entomology.* 125(5), 277-286. June 2001.
2. Jackai LEN, Goudou C, Asiwe JAN, **Tayo BO**, Integrated control of the cowpea Aphid using seed dressing and varietal resistance. *Samaru Journal of Agricultural Research.* 13-23. 2001.
3. Adeyemo AA, Omotade OO, Rotimi CN, Luke AH, **Tayo BO**, Cooper RS. Heritability of blood pressure in Nigerian families. *Journal of Hypertension.* 20(5), 859-63. May 2002.
4. Adeyemo A, Luke A, Cooper R, Wu X, **Tayo B**, Zhu X, Rotimi C, Bouzekri N, Ward R. A genome-wide scan for body mass index among Nigerian families. *Obesity Research.* 11(2), 266-73. February 2003.
5. Wu X, Luke A, Cooper RS, Zhu X, Kan D, **Tayo BO**, Adeyemo A. A Genome Scan Among Nigerians Linking Resting Energy Expenditure To Chromosome 16. *Obesity Research.* 12(4), 577-81. Apr 2004.
6. **Tayo BO**, Liang Y, Stranges S, Trevisan M. Genome-wide Linkage Analysis of Age at Onset of Alcohol Dependence: a Comparison Between Microsatellites and Single-nucleotide Polymorphisms. *BMC Genetics* 2005, 6(Suppl 1):S12 (30 December 2005)
7. Liang Y, **Tayo B**, Cai X, Kelemen A. Differential and Trajectory Methods for Time Course Gene Expression Data. *Bioinformatics (oxford, England).* 21(13), 3009-16. Jul 2005.
8. Luke A, Durazo-Arvizu R, Cao G, Adeyemo A, **Tayo B**, Cooper RS. Positive association between resting energy expenditure and weight gain in a lean adult population. *American Journal of Clinical Nutrition.* 2006 May; 83:1076-81
9. Liang Y, Kelemen A, **Tayo B**. Model-based or algorithm-based? Statistical evidence for diabetes and treatments using gene expression. *Statistical Methods in Medical Research.* 2007 16(2):139-153.

RECENT EXPERIENCE

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|---|-----------|
| Graduate Assistant <i>Department of Social and Preventive Medicine</i> <i>State University of New York at Buffalo</i> | 2002-2006 |
| Research Assistant Professor (Volunteer Appointment) <i>Department of Biostatistics</i> <i>State University of New York at Buffalo</i> | 2006-2007 |
| Research Associate <i>Department of Epidemiology and Preventive Medicine</i> <i>Loyola University Stritch School of Medicine</i> | 2006-2007 |
| Adjunct Research Fellow <i>Institute of Child Health</i> <i>College of Medicine, University of Ibadan</i> | 2007- |
| Research Assistant Professor <i>Department of Epidemiology and Preventive Medicine</i> <i>Loyola University Stritch School of Medicine</i> <i>Department of Epidemiology and Preventive Medicine</i> <i>Loyola University Stritch School of Medicine</i> | 2007- |