

## Genome-wide Association: “A Revolutionary Approach”

Vipin Gupta<sup>1</sup>, K. N. Saraswathy<sup>2</sup>, Rajesh Khadgawat\* and M. P. Sachdeva<sup>3</sup>

*Biochemical and Molecular Anthropology Laboratory, Department of Anthropology,  
University of Delhi, Delhi 110007, India*

*E-mail: <sup>1</sup>udaiig@gmail.com, <sup>2</sup><knsaraswathy@yahoo.com>, <sup>3</sup><mpsachdeva@rediffmail.com>*

*\*Department of Endocrinology & Metabolism, All India Institute of Medical Sciences,  
Ansari Nagar, New Delhi, India*

*Telephone: +91 11 26588641 Extn. 3237 (O), 4760 (W), Fax: +91 11 26589386*

*E-mail: rajeshkhadgawat@hotmail.com*

**KEYWORDS** Genome-wide Association Studies. Reverse Genetics. Complex Disorders. Biology

**ABSTRACT** Genome-Wide Association studies (GWAS) have brought a revolutionary change or paradigm shift in detecting novel variants for complex disorders and shifting the burden of finding the biological relevance of these newly discovered variants on biochemists and physiologists, hence it is a movement from forward to reverse genetics. Here we discuss the role of such studies with GWAS designs from anthropological perspective for conducting futuristic India specific GWAS.

*“Philosophy only demands creativity to solve complexity” –Udai G*