

ENDOCRINOLOGY, DIABETES AND METABOLISM

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Molecular analyses of diabetes and its complications: A recent view**Syed M Shahid**University of Auckland, New Zealand
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The world is facing economic crisis, in general and the developing countries are at a huge economic burden, in particular. This is because of many reasons, top of the list is the increasing rate of mortality and morbidity due to health problems. Communicable disorders like influenza, typhoid, hepatitis, dengue, polio on one hand and non-communicable diseases such as diabetes, cardiac issues, kidney disorders, liver failures and cancers on the other hand, have made it even critical. The prevalence and incidence of diabetes, representing >90% of all cases of diabetes are increasing rapidly throughout the world. The International Diabetes Federation has estimated that the number of people with diabetes is expected to rise from 366 million in 2011 to 552 million by 2030 if no urgent action is taken. Furthermore, as many as 183 million people are unaware that they have diabetes. Therefore, the identification of individuals at high risk of developing diabetes is of great importance and interest for investigators and health care providers. In the search for the risk and causes of diabetes and its complications, medical sciences have now advanced to the molecular level. Genetics, genomics, proteomics and metabolomics are opening ways to a new and deeper understanding of bodily processes and are providing the tools for more precisely targeted interventions when their function is disturbed. Keeping above in mind, a recent view of modern genetic and molecular analyses being presented to highlight some of the molecular and genetic risks and susceptibility in diabetes and its complications in a particular population.

Biography

Syed M Shahid has completed his PhD in Health Biochemistry from University of Karachi, Pakistan. He has worked as Postdoctoral Researcher at FMHS, University of Auckland and has more than 10 years of health science teaching and research experience. He is currently working as Senior Lecturer and Programme Leader, Health Services Management at Aspire2 International, Auckland, New Zealand. He has published more than 45 research papers in the field of health and disease in journals of international repute. He has presented his research work in more than 60 international conferences, symposia and seminars.

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