

❖ Name & Designation	: Mr. Arun Kannan, Research Scholar.
❖ Address	: Dept. of Biochemistry, Bharathidasan University, Palkalaiperur, Tiruchirappall-620024.
❖ Name of the International Conference/ Seminar/Symposium/ Workshop	: 50 th European Association for the Study of Diabetes (EASD)-2014.
❖ Title of the abstract accepted	: Effect of Hyperglycaemia on the expression of aquaporins in diabetic Rat Testis.
❖ Date & Venue	: 15-19 th September 2014. Vienna, Austria.
❖ Money sanctioned	: Rs 59,253/-
❖ Money reimbursed	: Rs 58,282/-

Participation Report

Organization of Training/Workshop:

The European Association for the Study of Diabetes (EASD) is a global trans-disciplinary science - based non-profit foundation dedicated to diabetes research. Since its foundation in 1965, EASD has been organising an annual meetings which has become the largest international annual conference on diabetes research worldwide. The EASD Annual meeting has a longstanding tradition of not only presenting science at highest calibre, but also of bringing researchers and clinicians of the highest calibre together.

The EASD 50th Annual meeting had more than 17,000 participants from 132 countries which included above 1332 poster presentations from 2264 abstracts and 264 lectures in all the major scientific sections related to the field of diabetes.

Academic Highlights Training/Workshop:

The conference exhibited diverse aspects of diabetes research. It promotes and fosters the exchange and dissemination of information and ideas relating to diabetes and its complications. The plenary sessions explore the cutting edge breakthroughs on topics such as new biology of diabetes, beta cell in type-2 diabetes, causal mechanisms in diabetes pathogenesis. Many new developments in the area of diabetes research were seen where novel approaches have been applied for understanding complications.

The EASD offer additional educational opportunities complementing the regular meeting program providing attendees with a full educational experience. Innovation, networking opportunities and diverse perspectives were woven throughout the pre meeting events.

The conference helped me to get exposure to the international diabetes research. It helped me to interact with other researchers working in the field of diabetes. It opened the ways of possible collaborations and funding opportunity which will help in the success of my current research programme.

PARTICIPANT'S CONTRIBUTION TO THE CONFERENCE /TRAINING / WORKSHOP:

The poster entitled "Effect of Hyperglycaemia on the Expression of Aquaporins in Diabetic Rat Testis" was presented by me (Mr. Arun. K, Research Fellow, Department of Biochemistry, Bharathidasan University) at the EASD 50th Annual Meeting, Reed Messe Vienna, Congress Center Messeplatz1, A-1021Vienna, Austria. September 15th-19th, 2014.

The poster revealed expression of AQPs 7, 8, 9, & 11 in the testis of diabetic rats were altered compared to controls. Alteration of AQPs expression leads to disruption of water homeostasis and affects spermatogenesis. Furthermore, altered expression and regulation of AQPs have already been demonstrated to be the cause of several disorders of the male reproductive system. The full enlightenment of these molecular interactions and mechanisms may point towards possible therapeutic targets to counteract diabetes induced male subfertility/infertility. This study elicited an interest among diabetologists to understand the importance of diabetes in infertility. There were many valuable suggestions and comments regarding the role of aquaporins in infertility. It proved to be a thought provoking interactive discussion. This EASD 50th annual meeting travel definitely helped in enhancing my scientific career as a researcher.