

- ❖ **Name & Designation** : Dr. Mukesh Nandave, Associate Professor
- ❖ **Address** : Pharmacology, SPP School of Pharmacy & Technology
Manament, (NMIMS), Vile Parle (West), Mumbai-400056
- ❖ **Name of the International Conference/ Seminar/Symposium/ Workshop** : The Arteriosclerosis, Thrombosis, and Vascular Biology-2014.
- ❖ **Title of the abstract accepted** : Pharmacological inhibition of NLRP3 Inflammasome by parthenolide improves obesity-induced insulin resistance in diet-induced obese mice
- ❖ **Venue & Date** : Ontario, Canada, 1-3rd May 2014.
- ❖ **Money sanctioned** : ₹ 1,00,000/-
- ❖ **Money reimbursed** : ₹ 1,00,000/-

Participation Report

Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) 2014 Scientific Sessions was held in the Sheraton Convention Center at Toronto, Canada from May 1-3, 2014. The conference focused on a wide range of topics related to preclinical as well as clinical research on Arteriosclerosis, Thrombosis and Vascular Biology.

The conference presented a total of 120 oral presentations and 677 posters over the period of three days. While the oral papers were presented in five plenary sessions, four concurrent sessions while the posters were presented in three sessions i.e. on 1st and 2nd May from 5.30 to 7.30 pm and on 3rd May from 8.30 to 10.30 am.

Highlights of conference

1. Plenary sessions

Plenary sessions were on following themes

Date	Plenary session	Theme
1 st May	I	Highlights from the ATVB Journal
	II	Young Investigator Award Competition- Brinkhouse Prize and Page Award
2 nd May	III	Functional Genomics
	IV	Modulation of Plaque Vulnerability
3 rd May	V	Hoeg Award Lecture Keynote Lecture Distinguished Lecture

2. Early Career Training Session

First time I attended early career training sessions in any national and international conference attended. Sessions were conducted on May 1 and 2 include -

- Finding, Funding, and Succeeding in Your Post-doctoral Fellowship
- Tips for Getting Your First Grants
- Negotiating a Startup Package as a Basic Scientist
- International Perspectives on Career Development and Advancement

- Balancing the Bench and Bedside as an Early Physician-Scientist
- Corporate Collaborations, SBIR Startups and Other Fates For Your Scientific Discoveries

3. Concurrent Sessions

Following concurrent sessions were included in scientific program on all three days of the conference:

Concurrent Session I

- Session A: Apolipoproteins: Structure and Function
- Session B: Clinical Lipidology- Diagnosis and Therapeutics
- Session C: Molecular and Cellular Biology of the Vessel Wall
- Session D: Venous Thromboembolism

Concurrent Session II

- Session A: Cellular Lipid Metabolism
- Session B: Blood Coagulation and Antithrombotic Therapy
- Session C: Genomics of Vascular Disease
- Session D: Contemporary Management of Peripheral Arterial Disease

Concurrent Session III

- Session A: Mechanisms of Atherosclerosis
- Session B: Platelet Production, Signaling and Function
- Session C: Immunity and Inflammation in Vascular Biology
- Session D: Diabetes, Obesity and Metabolic Disorders

Concurrent Session IV

- Session A: Lipoprotein Metabolism and Therapeutic Targets
- Session B: Vascular Cells, Inflammation and Thrombosis
- Session C: Stem Cells, Vascular Development and Angiogenesis
- Session D: Aortic and Carotid Artery Disease

4. Oral Paper Presentations

Although most of the papers at the conference were interesting, especially session dedicated for oral presentation on Venous Thromboembolism, Apolipoproteins, Blood Coagulation and Antithrombotic Therapy, Contemporary Management of Peripheral Arterial Disease, Mechanisms of Atherosclerosis, Diabetes, Obesity and Metabolic Disorders, Stem Cells,

Vascular Development and Angiogenesis. In this session, many papers that was directly relevant to my research.

5. My Poster Presentation

I presented my paper entitled, "Pharmacological Inhibition of NLRP3 Inflammasome by Parthenolide Improves Obesity-Induced Insulin Resistance in Diet-Induced Obese Mice" on second day of the conference i.e. on 2nd May 2014 from 5.30 to 7.30 pm. My paper was included in concurrent session III i.e. Diabetes, Obesity and Metabolic Disorders.

My poster presentation went well; many delegates stopped by, interacted with me, and raised lot of scientific queries. The presentation was received well and some interesting questions were raised which I answered satisfactorily. Chairman of the session talked to me afterwards about my research. For future and further studies on Parthenolide in obesity, Dr. Mahdi Garelnabi from University of Massachusetts Lowell shown willingness to collaborate with me.

6. Summary

The ATVB conference provided multiple opportunities for diverse disciplines and early career attendees including me to explore areas of cross-disciplinary interests within the arteriosclerosis, thrombosis, vascular biology, peripheral vascular disease, vascular surgery, and functional genomics research communities.

The conference offered me a great opportunity to interact with prestigious researchers in the area of Diabetes, Obesity and Metabolic Disorders research from all over the world. I also had opportunity to interact and discuss with Dr. Bukhtiar H. Shah, from NIH, Center for Scientific Review (CSR) regarding submission of research grant proposal from India.

It provided me with an opportunity to learn about other cutting edge research in the area which assisted me to come up with a few new ideas relevant for my research.

I would like to thank the ICMR, Government of India for providing the funds that allowed me to travel to Toronto, Canada and present my papers.