



# AUT INSTITUTE OF BIOMEDICAL TECHNOLOGIES

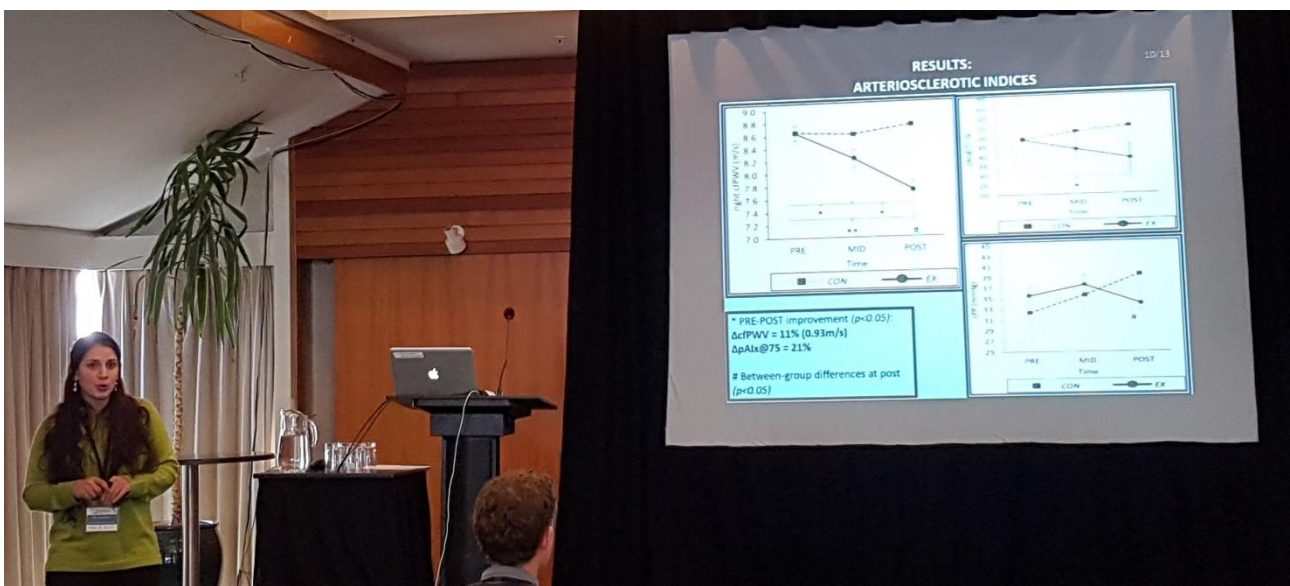
AUGUST 2016

## MEDSC 2016 HELD 29 – 31 AUGUST IN NELSON



IBTec staff and students delivered presentations at the 2016 MedSci held in Nelson. The IBTec representatives who attended this conference were: Professor Ahmed Al-Jumaily, Dr Andrew Lowe, Kevin Roos, Anubha Kalra, Gautam Anand, Nargis Afroj Chowdhury, Andries Meintjes, Ali Adil Ali, Parn Jones and Shivani Sethi. In the photo, Parn, Anubha and Nargis are manning the AUT desk.

IBTec would like to congratulate Shivani Sethi, who recently graduated with a Master of Philosophy with Honours (First Class) and was awarded the 2016 Biomedical Technology Prize. Below is Shivani delivering her paper.





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### IBTec HOSTED PROFESSOR PAUL YOUNG



While visiting IBTec on Thursday 1 September, Professor Paul Young gave a presentation entitled “Novel therapies for treating inflammation and infection in the lung” to staff and students.

Paul is Deputy Executive Director & Head of Respiratory Technology at the Woolcock Institute and Professor of Respiratory Technology at the Sydney Medical School, University of Sydney. Paul has made a significant contribution in the field of advanced drug delivery and inhalation science. Paul has published >180 peer reviewed international journal articles (~3500 citations), 5 patents, 13 book chapters and in excess of 100 conference proceedings. Paul has an H-index of 33 and 5-year i10 index of 100. Paul was an Australian Research Council Future Fellow and is a Chartered Chemist of the Australian Royal Society of Chemistry. He has given invited conference seminars on multiple occasions and has been on the organising committees for international science conferences. Paul has been appointed onto the Australian Research Council College, the external TGA medical advisory committee, and editorial boards of range of journals including Pharmaceutical Research, Journal of Pharmacy and Pharmacology, Drug Development and Industrial Pharmacy, AAPS PharmSciTech, and Respiratory Drug Delivery. Paul was a founding director of Nanopharm Ltd in the UK and is Director of Pulmatix Pty Ltd in Australia, a specialist contract drug development and testing company. Paul collaborates with both academia and industry on an international level and has attracted >AUD 15 million dollars in funding within the area of inhalation medicine.

### IBTec HAS A NEW MASTERS STUDENT



**Mayur Deepak Wadhvani** is doing a Master of Engineering at AUT. He completed a Bachelor in Biomedical Engineering at Mumbai University with distinction. Mayur has experience in working with infrared technology. His Bachelor’s project was Vein Detection using Infrared light. Currently he is working under the supervision of Professor Ahmed Al-Jumaily & Research Officer Sam Parittotokkapor to build a carotid Pulse Wave Velocity sensor for stroke risk assessment. Mayur is trying to build a career in research of biomedical devices.



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### TWO NEW INTERNS, ONE FROM FRANCE AND ONE FROM HOLLAND



**Pierre Hemery** is a French student and is currently completing an internship at IBTec. His project is to create a phantom of the carotid artery in order to measure the flowrate and pressure in specific conditions such as an obstruction. He will be working here until December. In his country, he studies engineering in the EPF School in the south of Paris. It is a really nice establishment and the atmosphere of work is great there because everyone helps each other. It is what we call a “general” school which means we learn about a lot of different subjects linked to engineering such as mechanical, electricity circuits, thermodynamics, but also programming and chemistry. Next year will Pierre’s fourth year. He came all the way from France because he loves to travel and is really attracted by the nature of this country. He also plays rugby which helps to!



**Luco Meijlink** is a student from the Netherlands. He is currently doing his 4<sup>th</sup> year of a Bachelor of Chemical Engineering. He will be doing an internship for five months with IBTec. The project he is going to work on is going to be related to a special synthetic polymer coated around cotton fibres that can become hydrophilic when cold and hydrophobic when hot, that way water can be collected in desert areas. His hobbies are playing field hockey and he loves music.