

Determining the gene response to hypoxia in cardiovascular system

Host School/Institute: Central Clinical School

Project Code: CCS2

Supervisor: Dr Bing Yu

Contact Phone: +61 2 9515 5016

Contact Email: bingy@med.usyd.edu.au

Description of Project:

Hypoxia is common in cardiovascular disease and is also a stimulation to elicit the training response of cardiovascular system in endurance sports. It is important to understand the molecular mechanism and gene responses after a short- or long-term of hypoxia. This project will involve in cell culture, RNA extraction, reverse transcription and real time PCR analysis. It aims to identify the time course for the gene expression of the hypoxic inducing factors and their downstream targets.

Administration contact details:

Ms Dina Bowe

Phone: +61 2 9351 2405

Email: d.bowe@usyd.edu.au