

**The University of Auckland Graduate Centre
Registration Summary**

Name: Miss Jenny Wang ID Number: 1528640
 Legal Name: Miss Zhinuo Wang
 Department/School: Bioengineering Institute Faculty: Bioengineering Institute

Subject: Bioengineering - Doctor of Philosophy

Admission Regulation: Bachelor with Honours

Admission Qualifications: BE(Hons) First Class 14/12/2013 University of Auckland

Academic Load: Full-Time

Statute:

Residency: New Zealand Citizen

Supervisor/Advisor(s): Prof Martyn Nash (Main Supervisor)
 Prof Alistair Young (Co Supervisor)
 Dr Christopher Bradley (Co Supervisor)
 Dr Vicky Wang (Co Supervisor)

Proposed Research Topic: Characterising Human Heart Failure with Clinical Imaging and Structure-Based Modelling

- Provisional Goal(s):
1. Approval of the full thesis proposal by the appropriate departmental/faculty postgraduate committee.
 2. A substantial piece of written work, such as a literature review, completed to the satisfaction of the main supervisor.
 3. Presentation of the proposal and/or work in progress to an appropriate forum e.g. seminar, research group, conference, to the satisfaction of the supervisors.
 4. Ethics approval/s and/or permissions obtained for the research (if required).
 5. Attendance at one of the Doctoral Skills Programme Induction Days.
 6. Undertake Diagnostic English Language Needs Assessment (DELNA) online screening. If a full assessment is advised, complete full diagnostic test and participate in any language enrichment recommended by the DELNA Language Advisor.
 7. Successful completion of the Academic Integrity Module.
 8. Completion of one substantial piece of written work within 12 months – a literature review focused on mathematical modelling of heart failure mechanics. (Related to provisional goal #2.)
 9. Gain proficiency in using AMRG (CIM) software to segment spatio-temporal heart motion from MRI. Analyse 6 heart failure patient cases.
 10. Implement and solve an anisotropic anatomically accurate ventricular mechanics model using OpenCMISS(Iron) and contribute models to relevant repositories.

Milestones:	Due Date	Completed Date
DELNA assessment required	01/05/2014	02/03/2010
Complete Acad Integrity Module Within 2 months	01/05/2014	15/02/2014
Complete Doctoral Skills Induction Day	01/03/2015	28/02/2014
Doctoral Annual Report for 2016	31/03/2016	06/04/2016
Doctoral Annual Report for 2017	31/03/2017	

Start Date: 01/03/2014

Expiry Date(s): Minimum Submission Date: 28/02/2017
 Maximum Submission Date: 28/02/2018
 Provisional Status Review Date: 31/03/2015

Candidature Status: Confirmed 02/04/2015

Leave:

Chair-sign-off: 04/02/2014

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Internal Use Only

Print Date: 28/04/2017

End-of-Report