


New Members

The NGED wishes to welcome A/Prof Marie Dziadek from the Garvan Institute of Medical Research to the Network.

	<p>Marie Dziadek (click on the name to view the full member profile)</p> <p>Organisation: Garvan Institute of Medical Research Department: Cancer Research Program Email: m.dziadek@garvan.org.au Phone: 02 9295 8195</p>
Research interests	<ul style="list-style-type: none"> • Epigenetic basis of fetal programming • Role of STIM proteins in calcium signalling
Facilities/ techniques	<ul style="list-style-type: none"> • Sequenom mass spectrometer • Microarray facility

NGED Website

NEW

The NGED website has been updated to include an [events calendar](#) and a [register of facilities / techniques](#).

Whilst the facilities/techniques register provides a summary of equipment and expertise available in NGED laboratories, the calendar includes meetings in 2006-2008 that are relevant to developmental biology and developmental physiology.

If you are aware of any upcoming conferences, workshops, and other meetings, that are not included in the events calendar, please let me know. With thanks – [Helli](#).



5th Developmental Biology Workshop

✦ Applications Close 29 September 2006 ✦



The closing date for applications for the 5th Australian Developmental Biology Workshop is fast approaching. Please remind any of your colleagues who may be interested in attending to submit their applications.

What: The 5th Australian Developmental Biology Workshop
Where: Victor Harbor, South Australia
When: 29th November to 3rd December 2006.

Closing Date:
 Applications must reach Adelaide by 5pm, Friday **29th September 2006**.

Please refer to the application guidelines at the [Workshop website](#)


Communication


The NGED consists of 63 laboratories from the fields of developmental biology and developmental physiology. At present there are 63 members and approximately 500 affiliate members in the Network. Whilst all member profiles are available on our website, we would like to introduce you to individual laboratories in our newsletters over the next few months. We hope that this will bring the Network closer together and inform members of the areas of expertise within the NGED to promote interchange and collaboration.

As the information will be based on your NGED member profile, it is important to keep your [profile](#) up to date:

1. Copy the details of your profile into a word document and apply the necessary changes using the 'track changes' function.
2. Email the details to [Helli](#) for the web update.

Who is who? Introducing NGED Laboratories...

	<p>Claire Roberts Laboratory <i>(click on the name to view the full member profile)</i></p>
	<p>University of Adelaide, Obstetrics & Gynaecology</p>
	<p>Email: claire.roberts@adelaide.edu.au / Phone: 08 8303 3118</p>
<p>Research interests</p>	<p>Our group focuses on the development of the placenta and how it affects pregnancy outcome. We are particularly interested in the molecular mechanisms by which extravillous cytotrophoblasts of the placenta invade and colonise the maternal uterine arterioles to sequester an adequate blood flow to sustain the growth and differentiation of the placenta and hence those of the fetus. We have discovered a novel interaction of growth factors that regulates this process and which, in turn, is regulated by oxygen tension within the placenta. Of great interest is the pivotal role of insulin-like growth factor II (IGF-II) in promoting cytotrophoblast invasion, placental growth and functional capacity. We utilise in vitro and in vivo techniques and exploit the advantages that studying a range of species provides. Specifically, we conduct experiments in mice, guinea pigs, sheep and human placental tissue. We are very keen to translate our research findings into therapeutics and diagnostics for use in human medicine and animal production. To this end we have patented some of our research and have industry partners who work with us to commercialise our technologies.</p>
<p>Facilities/ techniques</p>	<ul style="list-style-type: none"> • Confocal Microscope • Video Image Analysis Systems • Real Time PCR • FACS

	<p>Joan Heath Laboratory <i>(click on the name to view the full member profile)</i></p>
	<p>Ludwig Institute for Cancer Research, Colon Molecular and Cell Biology Laboratory</p>
	<p>Email: joan.heath@ludwig.edu.au / Phone: 03 9341 3150</p>
<p>Research interests</p>	<ul style="list-style-type: none"> • Developmental biology (organogenesis of the vertebrate intestine) • Colorectal cancer
<p>Facilities/ techniques</p>	<ul style="list-style-type: none"> • Zebrafish aquarium • Transgenic/Knock-out Mouse facility • Centre for Advanced Microscopy (fluorescence microscopy, confocal microscopy, live time-lapse imaging, FRET, FLIM) • Bioinformatics Unit

Upcoming Events

<p>2006 November</p>	<p>30th Annual Meeting of the Matrix Biology Society of Australia and New Zealand Place: Melbourne Convention Centre, Victoria For details please contact Greg Harper.</p>
<p>2006 Nov 29 - Dec 3</p>	<p>5th Australian Developmental Biology Workshop Place: Whalers Inn Resort, Victor Harbor, SA For details please contact Rob Saint.</p>
<p>2007 July 12-17</p>	<p>7th IBRO World Congress of Neuroscience Place: Melbourne Convention Centre, Melbourne, VIC For details please contact Sandra Rees</p>
<p>2007 November 6-10</p>	<p>5th International Congress of the Developmental Origins of Health and Disease (DOHaD) Place: Perth, WA For details please contact John Newnham or Tim Moss</p>

NGED Programs

The Network has introduced a number of programs to support the interaction amongst Network Members and with other researchers and research organisations from Australia and overseas. Award rules and application forms are available on the [NGED website](#). The table below provides a brief description of the programs and the application closing dates for 2006.

Closing Dates	Programs
31.10.06	<p>NGED Conference Support Awards The purpose of the NGED Conference Support Program is to assist conference organisers to provide high profile meetings in the areas of developmental biology / developmental physiology. Preference will be given to international conferences held in Australia with an emphasis on promoting multidisciplinary interactions in order to provide the greatest benefit to NGED members from different scientific backgrounds.</p>
31.10.06 for travel in Nov-Jan 2006/07	<p>NGED Conference Participation Awards The purpose of the NGED Conference Participation Award is to provide young scientists with an opportunity to present their work at a scientific forum, which they otherwise may not have been able to. Preference will be given to the Network's PhD students and early career researchers. Awards will not normally exceed \$500 (for meetings in Australia) or \$1,000 (for overseas meetings).</p>
31.10.06	<p>NGED Laboratory Interchange Award The NGED Laboratory Interchange Award is available to assist NGED students, early career scientists and other members of the Network to visit other NGED laboratories to work on collaborative interdisciplinary projects, learn specialised techniques or access specialised equipment.</p>
Ongoing	<p>NGED Cross-Disciplinary Workshop Attendance Award To facilitate research interactions and research training activities, which cross discipline boundaries, the Cross-Disciplinary Workshop Attendance Award will assist NGED students, early career scientists and other members of the Network to attend cross-disciplinary workshops (i.e. a physiology student attending a developmental biology workshop).</p>
31.10.06	<p>NGED Focus Group Award The purpose of this award is to support 'Focus Group/Think Tank Meetings' that lie within the objectives of the Network (i.e. strategic planning across the fields, Centre of Excellence planning, or establishment of collaborations between NGED groups that cross disciplinary boundaries).</p>