Professor Jane Harding, Deputy Vice-Chancellor (Research) has been awarded a prestigious grant from the United States National Institutes of Health (NIH) for a project that has global implications for reducing brain damage in newborn babies.

“This is a remarkable achievement, not only because the NIH rarely funds major projects outside the USA, but also because Professor Harding is carrying out the duties of the Deputy Vice-Chancellor while also producing world class research,” says the Vice-Chancellor, Professor Stuart McCutcheon.

Jane received an individual investigator grant from the Eunice Kennedy Shriver National Institute of Child Health and Human Development - one of 21 institutes which make up the NIH - for research which is investigating the connection between hypoglycaemia in newborn babies and subsequent brain damage.

As many as 15 percent of newborn babies have periods of hypoglycaemia (low blood glucose concentrations), which in some cases may lead to brain damage, explains Jane. “At present we don’t know which babies will suffer brain damage or what glucose concentrations will trigger the damage. It is likely that the duration, severity and frequency of the hypoglycaemic episodes are all important factors. So the question we’re trying to answer is, when does hypoglycaemia matter?”

It is very rare for researchers to get direct access to NIH funding outside the US. “You have to have an argument that says we can contribute in a way that North American investigators can’t.”

The project Jane is leading, called the CHYLD Study (Children with Hypoglycaemia and their Later Development), already has a unique cohort of nearly 600 children ranging in age from nine months to four and half years old – all of whom were born in Hamilton – and all of whose blood glucose concentrations were monitored continuously over the first few days after their birth.

“The NIH recognises that we can do this study better and faster than anyone in the US because we have a population already willing to participate in the study and available for follow-up.”

The CHYLD study will be funded over five years to enable teams of investigators to follow the development of the cohort of children.

“It’s very exciting,” says Jane who has overall oversight and coordination of the project and is leading a team of about 25 people. “Neonatal hypoglycaemia is an area I’ve always been interested in and I think we can really make a difference with how we care for these babies within five years,” she adds. “And caring for them probably means preventing brain damage.”

Jane became Deputy Vice-Chancellor (Research) in 2008 and has a chair in Neonatology at the Liggins Institute. She is an international authority on the regulation of fetal growth, placental function, and the treatment and consequences of undernutrition in the womb. The CHYLD project is the largest study she has led in her career to date and fits within the wider research programme of the Liggins Institute’s Fetal and Neonatal Physiology Group, focused on caring for babies in the newborn period to improve their longer term health.
From 11 to 18 September I led a delegation of University of Auckland staff to Canada and the West Coast of the United States to explore opportunities for research collaboration and to continue our programme of engagement with alumni and friends. In the course of five days we visited four universities – the University of Alberta (Edmonton), University of British Columbia (Vancouver), University of Washington (Seattle) and University of California (Davis). In addition to being leading West Coast universities, all are partners of The University of Auckland through one or more of the international research university networks to which we belong.

The purpose of the trip was to develop collaborations, where appropriate, in four key areas – Food, Nutrition and Health (led by Grant Guilford), Indigenous Knowledges (Charles Royal), Materials Science and Technology (Debes Bhattacharyya) and Human Therapeutics (Rod Dunbar). In addition we held alumni events in each of the four cities visited (as well as in Palo Alto) and met with a number of the University’s friends and philanthropic supporters. Overall it was a very full agenda, in common with most of the visits of this type we undertake, but very productive and a good use of time.

Despite the fact that several of the universities we visited have been subjected to savage budget cuts (particularly in the USA), our delegation was very warmly received and there was a great deal of enthusiasm for the development of collaborative research programmes and student exchanges. Even after recent cuts these universities are well resourced by our standards and they recognise that we have unique capabilities which complement their own. This is true in each of the four key areas represented by our team. In the past weeks the team has met again and we have assembled a list of key opportunities, which we will now discuss further with our partners. If staff would like to know more about the opportunities presented by these relationships they are invited to contact the programme leaders listed above or the tour organiser, Director of Research Management John Smart.

Spring Graduation

The University held graduation ceremonies at the Auckland Town Hall for the final time during Spring Graduation.

The Aotea Centre, whose greater capacity necessitates fewer ceremonies, has been used since 2009 but was required for Rugby World Cup purposes during September.

There were six Spring Graduation ceremonies spread over two days (20 and 22 September) with 2450 graduates receiving a total of 2708 qualifications. These included 124 doctorates. (At Autumn Graduation 6051 students graduated at ten ceremonies.)

A challenging path

Three and a half years ago when Sue Nash enrolled in the University’s New Start programme she had no clear idea of what she wanted to study but she wanted to make a difference. At Spring Graduation Sue graduated with a double major in History and Sociology alongside her youngest son Sam Nash with a conjoint BA (Political Studies) and BCom (Marketing).

Unfortunately Sue’s journey into academic life coincided with the family moving from two incomes to one income to no income. Her initial reaction was to give up study and return to the workforce but she had been given a gift through the Kate Edger Charitable Trust scholarship without which she would not have embarked on an academic path. “KEECT enabled me to give up the security of employment to study fulltime. Staff member Jane Bellamy and the KEECT had put their faith in me, they gave me the encouragement and flexibility I needed.”

The year Sue started at university, her daughter graduated with a BA/LLB(Hons). “I had seen how she had grown and developed as a person through her time at Auckland. She was my inspiration. Both my sons were also studying. James left university with a B(Economics) and today I am graduating with Sam.

“I was very aware of not compromising my sons’ experience at university,” says Sue. “It was their time as much as it was my time. During the first year I only saw them when they had run out of refill, or credit on their photocopying account, but by my third year Sam and I were studying the same Irish history paper and sitting together in tutorials.”

High-achieving partners share law success

Not only was her daughter Kiri Toki (Ngāti Wai, Ngā Puhi) capped but also Kiri’s partner Kingi Snelgar (Ngā Puhi, Whakatohea, Te Arawa) with a conjoint BA(Hons) and LLB(Hons). “I had seen how she had grown and developed as a person through her time at Auckland. She was my inspiration. Both my sons were also studying. James left university with a B(Economics) and today I am graduating with Sam.

“I was very aware of not compromising my sons’ experience at university,” says Sue. “It was their time as much as it was my time. During the first year I only saw them when they had run out of refill, or credit on their photocopying account, but by my third year Sam and I were studying the same Irish history paper and sitting together in tutorials.”
— both with a conjoint BA/LLB(Hons).

Each came to University holding a 28th Māori Battalion Ngarimu VC Scholarship. As well as majoring together in Political Studies for their Arts degree the pair took the same elective majoring together in Political Studies for their Battalion Ngarimu VC Scholarship. As well as — both with a conjoint BA/LLB(Hons).

Although they had already met the shared experience undoubtedly strengthened the bond between them. “Their approach and study methods were very different but complementary,” says Valmaine.

She is proud of how Kiri coped with the Law School’s “competitive and challenging” environment. “To complete with a BA/LLB (Hons) is a testament not only to her strength of character but also her academic aptitude and courage.”

The korowai (feather cloak) worn by Kiri is the same korowai which Valmaine and her colleague Dr Nin Tomas used at their graduations. Kingi’s korowai was specially handmade for him by his mother Eliza. “Both are special korowai for occasions of celebration and great accomplishment,” says Valmaine.
Researchers join WUN’s Global Challenge

Four researchers from different faculties are expanding the University’s knowledge spaces by actively engaging with the World Universities Network (WUN).

Professor Richard Le Heron and Dr Nick Lewis (Science), Professor Roger Dale (Education) and Professor Cris Shore (Arts) are all recognised research partners in WUN-funded projects which come under the umbrella of WUN’s Global Challenge in Higher Education and Research. The Challenge, of which our researchers are active in two key projects, calls for WUN member universities and their partners to address the sources, mechanisms, and social structures that give rise to today’s higher education challenges. They are charged to work collaboratively across the network to propose reform policies for international research and education.

Richard and Nick, along with researchers from Bristol, Western Australia, Cape Town and Wisconsin Madison, are examining how, why and in what forms globalising research projects are emerging. “The team is interested in how things are tracking,” says Richard, “where there are connections, movements and tensions; and where new spaces and subjects give rise to new opportunities for globalisation.”

Adds Nick: “This work will generate new knowledge and understandings of the diverse aspirations, drivers and consequences of global research assemblages”.

Aiming high

Young high achievers were challenged to keep up their momentum and aim to become “old high achievers” at the 2011 Blues Awards in September. The sage advice to the 94 glam and glitzy Blues winners came from guest speakers Lynda and Jools Topp.

As Kiwi cultural icons and self-professed “old achievers” the Topp twins showed that high achievers can come from anywhere, even Huntly. They urged the 250-strong audience to feel, see and grasp the moment every day; and reassured that “it is okay to stumble on the odd stuff-up, or leave a train stationary on the tracks, on the way to achieving great things”.

Strangely though, while the country is immersed in the throngs of rugby cheer, the Blues Sports Awards were anything but. There was a strong cohort of students from orienteering and karate, and a wide representation of watersports from waterpolo, underwater hockey, kayaking, canoeing, swimming and surf lifesaving; while others excelled in less popular activities such as canoe polo, fencing and ultimate Frisbee.

Cultural awards were given out to students for their contribution to fine art, music, singing, film and dance as well as debating, business case competitions, architecture, mentoring and language support.

The night culminated in the announcement of the overall supreme awards.

Roger (Education) and Cris (Anthropology) are partners on the WUN-funded project entitled “Global regionalisms, governance and higher education”. This collaboration between the universities of Bristol, Auckland, Cape Town, Penn State, Sydney and Wisconsin Madison examines the emergence of new forms of region-building and inter-regional relations around the globe, as they are imagined and constructed through innovative forms of higher education at the supra-national scale. The team is also examining the dynamics of governance associated with these forms of global regionalism.

Both Roger and Cris recently accepted invitations from the Vice-Chancellor, Professor Stuart McCutcheon, to represent the University on the WUN Higher Education and Research Global Challenge steering group and champion related WUN opportunities within the University. “WUN offers us the opportunity to engage in research in areas of current and significant global concern – it does so by bringing together the combined experience, expertise and resources of both WUN and non-WUN partners. This alliance holds significant potential for researchers at this University working in any discipline,” says Cris.

From left: Lynda Topp, chancellor Roger France and Richard Le Heron.

These were The University of Auckland Society Art and Cultural Award to Anthony Schneider who gave up a place at Oxford to study voice at Auckland and has been a frequent performer for the Opera Factory, singing with the Chapman Tripp Opera Chorus and performing the role of an Apparition in the 2010 NBR NZ Opera production of Verdi’s Macbeth; Sportsman of the Year and Māori Sportsperson of the Year to James Unson who represented New Zealand in badminton at the 2010 Commonwealth Games in New Delhi and for the 2011 Whyte Trophy series; Sportswoman of the Year to Elizabeth Lamb who placed 6th equal for high jump in the 2010 Commonwealth Games and now has her sights set on the London 2012 Olympics; and Most Mentorious Sporting Performance to Madison Boon, gold medallist at the Sanyo Busson International Lifesaving Cup for surf lifesaving in Japan.

Blues committee Chair, Dr Jane Skeen says: “The Cultural and Sports Blues Panel continues to be impressed by the achievements of the Blues recipients and acknowledges the flexibility of the academic staff in meeting each student’s individual needs, when events such as competitions and world championships conflict with academic schedules.”

From left: Lynda Topp, chancellor Roger France and Jools Topp.
The Confucius Institute at Otago

The Confucius Institute based at The University of Auckland is opening an office at Otago University.

This will initiate and support Chinese language learning and culture activities in the Dunedin area and will focus on programmes and projects to meet local needs.

A Dunedin-based, part-time administrative position funded by Otago University will be dedicated to co-ordinating of local activities and Otago will be represented on the advisory board of the Confucius Institute.

“The arrangement will enhance the collaboration that already exists between the two universities with regards to the Institute,” says Director Nora Yao. “It also strengthens and further develops the two universities’ relationship with the Institute’s China partner, Fudan University in Shanghai.

“The Dunedin area currently has only one school offering Chinese and this collaboration will help support the development of teaching the language in more schools.”

Earlier this year the Institute funded a language assistant to work for a year in the Dunedin area.

U21 graduates confer in KL

In June PhD student Ashley Young from the Department of Chemical and Materials Engineering went to the third Universitas 21 Graduate Research Conference (U21 GRC) hosted by the University of Nottingham Malaysia Campus. She writes here of her experience.

“I was one of 35 postgraduate students representing fourteen universities, from ten countries, that presented their work relating to the topic of “Food”.

As a PhD candidate it can be easy to get caught up in the minutiae of your topic. Researching the textural properties of biscuits through mastication had me obsessively thinking of bolus particle size distribution, and shear stresses. While this is far from a bad thing when it comes to completing doctoral studies, it can lead to a disconnect from the “big picture”. This concern was a thread that ran through the conference. Keynote speakers Professor Sayed Azam-Ali and Professor Neville Wylie delivered the message of the importance of breaking out of knowledge “silos”, of communicating research findings on a worldwide scale between disciplines and to the general public so that global issues can be addressed with the best tools available.

This conference made me realise how lucky I am to be studying at The University of Auckland. I was proud to hear delegates’ success stories of people they knew who had or were studying here. Feedback on my presentation highlighted to me how innovative the research that is being carried out at this university is; I had made people think about an everyday activity in a way they never had before.

Strong bonds were forged between the delegates; for five days, we lived, learnt, competed in a poster competition, and experienced the culture of Kuala Lumpur together. In addition to academic content, there was a rich social programme: a welcome dinner, a cultural tour with traditional Malaysian dances, an agricultural tour of Putrajaya and a gala dinner in the Penthouse of The Royale Chulan. These experiences taught me things that cannot be learnt in a classroom. For that reason, I encourage everyone that gets the opportunity to jump at the chance to be involved in future Universitas 21 Graduate Research Conferences.

Poster presentation group. From left to right: Kim-Yen Phan-Thien (University of New South Wales), Ashley Young (University of Auckland), Rong Cao (Lund University), Tristan Partridge (University of Edinburgh). Absent: Hilary Brook (University of Birmingham).

The Bill & Melinda Gates Foundation Grand Challenges Explorations Round 8

Funding for innovative and unconventional global health solutions in the developing world.

Initial grants of US $100,000 with possibility of a further $1m. Application via a two page form. Closing date at Research Office, 10 November 2011. Topics are:

• Protect crop plants from biotic stresses from field to market
• Design new approaches to optimize immunization systems
• Explore new solutions in global health priority areas
• Explore nutrition for healthy growth of infants and children
• Apply synthetic biology to global health challenges

Research Office contact David Saunders, d.saunders@auckland.ac.nz, ext.84886. www.grandchallenges.org

Royal Society of New Zealand International Mobility Fund - Cancelled

The Ministry of Science and Innovation has recently revised its budgets for the International Relationships Fund. As a result of a significant I RF budget reduction for 2011-12, MSI has decided to dis-establish the International Mobility Fund (IMF). Research Office contact Chris Tews, c.tews@auckland.ac.nz, ext 88301. www.royalsociety.org.nz/programmes/funds

HRC NZ-Canada Community-based primary healthcare research

Further details are available about this joint initiative between the HRC and the Canadian Institute of Health Research (Canadian equivalent) in the following areas:

• Better systems: chronic disease prevention and management in community-based primary healthcare
• Access to appropriate community-based primary healthcare for vulnerable populations

This is now not part of the HRC Annual Funding Round. The deadline for registration of interest with HRC will be December 2012 with full applications due by July 2012. NZ proposals need to be partnered with a Canadian proposal which has already been successful at the CIHR “Expression of Interest” phase (deadline January 2012). Research Office contact Elizabeth Visser, e.visser@auckland.ac.nz, ext.83562. www.hrc.govt.nz/funding-opportunities/
Bligh: William Bligh in the South Seas (New Zealand Penguin Group (NZ), University of California Press) by Distinguished Professor of Maori Studies, Dame Anne Salmond brings new revelations about Pacific explorer and Bounty commander William Bligh’s voyages from 1777.

William Bligh is perhaps the most misunderstood character of the early Pacific explorers and colonisers. Anne charts Bligh’s three Pacific voyages – with Captain James Cook in the Resolution, on board the Bounty, and as commander of the Providence – and beyond. Anne breaks new ground by portraying the Pacific islanders as key players for the first time and shows this episode as important to the history of the wider world, not simply of the West. She retells the infamous mutiny aboard the Bounty, which saw Bligh lose control of his ship and be left marooned in a small boat near the Tahitian islands. All the drama and danger of seafaring is brought to life on the page. There are many new revelations about Bligh’s relationship with Captain Cook.

“Although he is famed as a practical seaman and hydrographer, Bligh was also a pioneering ethnographer, who made major contributions to our knowledge of life in Polynesia during the early contact period,” says Anne.
SATURDAY 10 OCTOBER
School of Environment public lecture
Dr Paul Reynolds, Ministry for the Environment’s Chief Executive and Secretary for the Environment: Policy development in a complex world. 11am-12noon Room 53, OCH, Bldg 104. Queries to s.reid@auckland.ac.nz
Department of Māori Studies seminar
Ararapa Ngaha: Crisis and challenge: Te Reo Māori and Web 2. 1-2pm Room 101, Māori Studies. Contact s.abel@auckland.ac.nz
Bioengineering research seminar
Dr Alaona Ben-Tal, Institute of Information and Mathematical Sciences, Massey University: A theoretical study of respiratory sinus arrhythmia and its physiological function. 4-5pm Ground Floor Seminar Rm 1010, UNIServices House, 70 Symonds St. 1987 former All Black team fundraising dinner 6.30pm Ellerslie Racing Club, Greenlane. An evening featuring a live panel discussion with Sir Brian Lochore, Sean Fitzpatrick, Grant Fox and David Kirk. All proceeds going to the John Drake House, 70 Symonds St.

THURSDAY 6 OCTOBER
What’s on

FRIDAY 14 OCTOBER
Luncheon concert
Featuring School of Music chamber music ensembles. 10.5-11.30am Music Theatre, School of Music, 6 Symonds St. Free.
School of Music composition class
Piano composition prize concert. 4pm Music Theatre, School of Music, 6 Symonds St. Free.

SATURDAY 15 OCTOBER
Exhibition talk
1-2pm Gus Fisher Gallery, 74 Shortland St. In response to Frank Hofmann’s multi-disciplinary lifestyle, Gus Fisher Gallery Curator Andrew Clifford discusses the relationships between art and music. Queries to gusfishergallery@auckland.ac.nz

TUESDAY 18 OCTOBER
Exposure: Postgraduate research events
Runs until 20 October. Presented by the Postgraduate Students’ Association (PGSA) and the School of Graduate Studies. For full details visit www.exposure.auckland.ac.nz
School of Biological Sciences seminar
Dr Nicole Webster, Australian Institute of Marine Science, Townsville, Australia: Symbiotic microbes: Sentinels for marine ecosystem health. 1-2pm Mac 1 Seminar Rm, Biology Bldg. Queries to mw.taylor@auckland.ac.nz

WEDNESDAY 12 OCTOBER
Outlook information management training
1-4pm CAD, 4th Floor, 76 Symonds St. Visit www.cad.auckland.ac.nz/workshops (IT Literacy).

THURSDAY 13 OCTOBER
Special presentation
Gregory O’Brien, poet, artist, curator and friends: Envisioning the Kermadecs: Art meets science in New Zealand’s subtropical islands. 6pm OGG84, Owen G Glenn Bldg, 12 Grafton Rd.

WEDNESDAY 19 OCTOBER
$100K Challenge Grand Prize Giving 2011 5.45-8pm Level 1 Foyer, Owen G Glenn Bldg, 12 Grafton Rd.

Keynote speaker: Owen Glenn ONZM. Share in the excitement as over $80,000 worth of prizes are awarded. University students and staff have created 70+ ventures through the Spark system. Mix with the winners, investors and supporters over nibbles and drinks.

Student jazz ensemble concerts
Large ensemble concert 6.30pm Kenneth Myers Centre, 74 Shortland St. Featuring students of the School of Music. Free.

Classifieds

ACCOMMODATION AVAILABLE
Apartments for rent. Call us for your rental requirements, we offer city apartments furnished/unfurnished, all sizes and prices; great rental deals for long-term leases; call Chris or Mandal on 09 303 0601 at City Sales or rentals@citysales.co.nz or log onto www.citysales.co.nz/rentals

MISCELLANEOUS
Children’s hearing tests. Hearing tests for children aged from 6 months up to 5 years old are available every Monday during semester time at The University of Auckland Aural Centre at the University of Auckland. All children will be tested by final-year Master of Audiology students, under the supervision of an experienced audiologist. The cost is only $20. To make an appointment phone the UoA Clinic on 923 9909 or email clinics@auckland.ac.nz

Editing and proofreading services: Academic writing including research articles and reports, theses, journal articles, marketing, promotional/advert, novel material, technical writing, corporate publications, instruction manuals and tutorial documents, books, biographies, novels, children’s literature, historical publications. Claire Morris-Rooney DipEdit, GradDipBus, MMgt - Business. Phone 09 4864246 or 021739992 or email car.clm@xtra.co.nz Claire has worked in management positions at the UoA for 16 years and is currently employed on a part-time basis. Home educator/nanny share wanted for two-year-old boy in Westmere and/or surrounding areas. From January 2012. Must have current references. Email amberwrite@hotmail.com

Travel. I have 12 years experience in booking all aspects of personal travel for university staff and lecturers. I pride myself in ensuring that your travel plans are sourced at the lowest possible costs and are tailor-made to your requirements. Contact Karen on karen.emberton@mondotravel.co.nz or 940 0064 (wk) or (021) 188 7781.

For a full list of The University of Auckland events see: www.auckland.ac.nz/uaa/home/events Please email classified ads to unnewsadvertising@auckland.ac.nz nine days before publication. Cost $20 (incl GST).
The blood running through the veins of twenty-first century commerce increasingly consists of information about individuals. This personal information is expanding at an exponential rate and is the very lifeblood for companies such as Google and social networking giant Facebook. Many of these companies are based outside New Zealand and individuals here and globally are making use of the “cloud” for their information processing needs. However these trends present a challenge to privacy laws and regulators worldwide as they struggle to keep abreast of rapid technological and social changes in how personal information is managed.

New Zealand’s 1993 Privacy Act is written in technology-neutral terms, is principles-based and has thus far stood up relatively well to these challenges. Indeed earlier this year an independent panel of European experts recommended that this country’s laws be certified as providing an “adequate” level of protection for personal information, thereby enabling information relating to European Union citizens to be exported to New Zealand – a not inconsiderable achievement given the importance of outsourcing and service-based businesses to our economy.

On the other hand development of “Web 2.0” has meant that previously vertical relationships in the collection and processing of personal information have been to a large extent replaced by horizontal ones where individuals process one another’s information. In addition, many businesses have become complacent as to their level of compliance with the Privacy Act and related laws such as those prohibiting spam (unsolicited electronic mail). There is a need for complete transparency as to how information is to be used and who it is to be shared with (for instance in the wording of privacy policies on websites).

The recently completed Review of the Privacy Act by the Law Commission is therefore timely. The Commission’s final report makes several recommendations. Amongst the most significant is the heralded shift in the way the Privacy Act is enforced. Currently, this is largely complaints-driven with individuals able to lay complaints with the Privacy Commissioner and on to a specialist tribunal which has significant powers including the power to award monetary compensation. This is to be retained but, in future, be supplemented by the ability of the Commissioner to serve compliance notices on organisations, with fines to back them up should compliance not be forthcoming. This will be especially useful where systemic failures are evident in an organisation (such as when Google last year used information gathered from individuals’ Gmail accounts to create its new Buzz application).

Another recommendation relates to the ability of individuals to access their files, whether these are held by the Government or by commercial enterprises. The Privacy Act gives individuals the right to access these although statistics show that failure to give individuals their information constitutes the single largest source of complaint to the Commissioner and to the Tribunal. To simplify procedures in future the Commissioner will have the power to make binding determinations which organisations would have to abide by (with the right to appeal to the Tribunal thereby shifting the burden from the individual onto the organisation withholding the file).

Two other recommendations are of interest. First, the exception that currently exists for individuals collecting personal information for their “personal, family and household purposes” will be removed where the information is offensive to a person of ordinary sensibilities. This will close a loophole which currently permits individuals to post, say, naked photographs of their former partner on a social network.

Secondly, the Commissioner is to be given the ability to conduct privacy audits of organisations. Whilst this may be a burden for some companies it also provides an opportunity for business graduates (especially auditors) and a reason to be well-acquainted with the requirements of the Privacy Act.

Senior Lecturer Gehan Gunasekara researches and teaches information privacy law at the University of Auckland Business School and was a member of the academic reference committee for the Review of Privacy by the Law Commission.