Birthdays ending with a zero can be challenging and often some type of transformation is in order. We change our hair or our dress style, anything to revamp ourselves for the next phase. The same is true with buildings, take Wallace Wurth for example. Wallace Wurth turned 50 this March and is undergoing an amazing revitalisation and expansion.

With a half-century in medical research Wallace Wurth has been at the forefront of many of the medical breakthroughs in the last half of the 20th century. This history of excellence is set to continue in the Wallace Wurth building. On completion the premises will house cutting edge research precincts and state of art spaces to support learning and teaching in the UNSW medicine program.
The Wallace Wurth building is dear to the hearts of many of the 22,000 USNW medicine alumni spread all over the globe as well as the medicine staff, researchers and academics. During its 50 year history the iconic building has helped to promote a community identity, a sense of pride and assisted with the fostering of productive research relationships.

The ‘story’ of the Wallace Wurth building looks set to continue recording successes and milestones long into the future but we should not forget its dignified beginning in 1963. 6,000 attended the opening ceremony officiated by Her Majesty the Queen.

The Queen’s Speech

Mr Chancellor,
I thank you very warmly for the welcome which you have given to me and my husband on behalf of the University Coun-
cil and members of the University of New South Wales.

We are both glad to see how rapidly and well your university is growing and to sense the vitality that lies within it. The University of New South Wales has already taken its place with the older universities of the world in its science and scholarship upon which our civilization so largely depends. As the world progresses and its material equipment becomes more complicated there is a natural tendency in universities to concentrate on academic learning or vocational training. I hope that in this university you will always spare a thought for those qualities of the mind and spirit which are vital to the general development of the community: integrity, and a lively sense of responsible citizenship, a constructive attitude towards the foibles of our system, and a vigorous and independent mind. These are qualities we expect to find in people who have been fortunate enough to attend a university and which are the essence of higher education.

It is most appropriate that the new Medical School should commemorate one of the great servants of the public in this State, and the name of Wallace Wurth should inspire the generations of students who come to acquire within these walls the professional knowledge and skill that they will devote to the service of their fellow men. I am confident that the adventurous spirit that has built Australia and our Commonwealth will lead your two new Schools on to make their mark in the world of science. I now declare the Wallace Wurth School of Medicine and the School of Biological Sciences open.

Charles Wallace Wurth
Not unusually 260 students descended on the Museum of Human Disease on the 13th and 14th March; what was unusual was that though excited to be here they were not going to be looking at the specimens. They had come for the Get Into Your Head Space program as a part of Brain Awareness Week. This event was very hands on with activities coordinated by Thomas Fath and Richard Vickery.

What was also unusual was that these were year 8 and 9 students and they were keenly interested in their science and in the stations set up by staff from Thomas and Richards team. It was really these teams which made the days for these students. The overwhelming response about the event was how much the students and teachers enjoyed being in the presence of research scientists. Well that, and the Barany chair that spun them round till they were sick (the true favourite of the day).

In its third year the two day event sold out quickly and was so popular we could have run it twice, with many of the schools returning for the third time.

As if 260 year nines weren’t enough to deal with the team also ran the event on Wednesday night for public punters with about 50 people from campus and beyond spending 2 hours in the presence of brain brilliance.

Although people enjoy reflex tests and spinning chairs what comes across again and again is that the public love the level of expertise of the presenters – and the amount of time they get when talking to the team. People are astounded that such great researchers would take the time to explain things to them.

Look out for more Museum events.

The Brain Game

The first response with all the right answers from a non-anatomist emailed to the Museum email address will win one of the new Museum t-shirts.

1. What do Glial cells do?
2. How many neurons are in the average adult human brain?
3. How many Glial cells?
4. How are messages transmitted from one neuron to another?
5. How long is the longest human neuron?
6. At what speed is the fastest nerve signal transmitted?
7. At what speed is the slowest nerve signal transmitted?
8. At what age do we have the most neurons?
9. What is the weight of the average adult human brain?
10. Which recent research event was touted to be bringing “mind reading” a step closer?
11. What brain related research takes place in the basement of the Samuels Building?
A HEALTHY OUTLOOK

A degree in medical science will provide you with a great foundation for more than just medicine, says Tara Francis.

Growing up I didn’t know what I wanted to be. I wanted to be an artist, I wanted to be an actress and at one point I wanted to be a Getaway presenter because they take holidays,” says Stephanie Isaac, an Honours student who’s enrolled in the graduate-entry medical program at the University of New South Wales (UNSW) in Sydney.

“I wanted to make a difference, and what better way to do that than helping people with their health.”

Searching for some direction in her career choices, Isaac looked at what she excelled in. She did well in school, was a creative thinker and enjoyed solving problems – key skills in the disciplines of science and medicine. Plus, she was always giving advice to her friends. “If they were ever sad about something or needed advice, they would come to me,” says Isaac.

Putting the pieces together, she enrolled in a Bachelor of Medical Science at UNSW. “I love science and I wanted to make a difference, and what better way to do that than helping people with their health,” Isaac says.

Medical science is a popular choice for students who want to transfer to medicine as a graduate, as Isaac will do. “I chose medical science because I believe that it’s so important to get an analytical and a research background before starting my medicine degree... it’s the only way you’re going to create new tools so that doctors can use them to help patients,” says Isaac.

This year, she started an Honours research project delving into cancer cachexia, a condition where cancer patients’ muscles waste away. By searching for key genes and proteins involved in this process, Isaac hopes to contribute to drugs that one day will treat the condition, giving cancer patients a better quality of life and a better chance at beating the disease.

A DIFFERENT PATH

A MEDICAL SCIENCE degree is a great option if you’ve always been interested in how the body works, what happens in organs and cells when things go wrong and the best treatments available. Compulsory topics include physiology, pharmacology, pathology and anatomy, where classes involve examining dissected cadavers or analysing diseased organ samples in the Museum of Disease. Plus, there is a range of specialisations – from biochemistry and genetics to neuroscience.

With a 2013 ATAR cut-off of 94, and up to five bonus points available, a medical science degree is an accessible option. Like Stephanie Isaac, many medical science graduates aim for the specialty that takes them straight into fourth-year medicine at UNSW. Just 15 graduate-entry medical positions will be available at UNSW for more than 200 first-year medical science students in 2013.

But medical science graduates often go on to study medicine at other Australian universities. If you decide to stick with medical science, expect a great career, particularly in research or laboratory work. Eighty per cent of medical scientists are employed full time, and their average weekly salary is $1,201. It’s expected this field will continue to grow over the next decade.
Thanks to the Faculty of Science who have a standing relationship with COSMOS, medical science student, Stephanie Isaac will feature in their latest edition.

Stephanie Isaac has been part of our undergraduate Medical Science student community for the last three years but now is transitioning into her new role as SoMS Honours student in the Cancer Cachexia Mechanisms Research Group led by Dr Patsie Polly. With a strong interest in biomarker discovery, Stephanie hopes to validate some novel molecules discovered in the lab and whether they can be used as true therapeutic targets one day. This sits well with Stephanie as she has interests in both camps, science and medicine and is set to start her medical studies in 2014 being accepted into the lateral entry program at UNSW. "With new molecules ready for testing, her interest in muscle wasting due to cancer has already taken her into the ‘research danger zone’ where the unknown awaits her," says Patsie. "Stephanie has the potential to really fly with her research ideas and I can’t wait to see her take off!"

About COSMOS

It is a literary science magazine with a global following. Australia’s #1 science media brand, it reaches 600,000 people every month via a print magazine, a daily online news website and a weekly e-newsletter. Their education resources are used by 65% of Australian high schools, and they produce a wide range of quality editorial products (such as websites, booklets, posters and DVDs) for a range of clients.

COSMOS is internationally respected for its literary writing, excellence in design and engaging breadth of content. It’s the winner of 47 awards, including the Magazine of the Year trophy in both 2009 and 2006, and twice Editor of the Year, at the annual Publishers Australia Excellence Awards.
The Heart of the Matter

During his honours year Shane had his first opportunity to witness an autopsy. He was on the path to becoming a medical doctor but had a change of heart after seeing one in a chest cavity. Medicine’s loss has become research’s gain.

I have always had an interest in both medicine and science. Fortunately for me, I have been able to translate these passions into a career. Remaining curious is a great advantage to a researcher and on a daily basis I get to work out how things function in biology and how this goes wrong in disease,” says Shane. “It’s a privilege to be a career researcher. Its dynamic nature means that you can remain inquisitive throughout your lifetime. There is always something else to know.”

It all started south west of Sydney in Wagga Wagga. A place with quintessential Australian values – those of mateship, family, and having a fair go. The high school he went to was pretty tough. Shane is particularly unaffected when talking about growing up with Australia sporting legends, Michael “Slats” Slater and Laurie “Lozza” Daley. He played cricket and rugby league both with and against them at a club and representative level. While he initially had ambitions for a career as a professional sportsman, he was ultimately happy that he had been able to make his Mum and Dad proud of his scholastic achievements that allowed him to move to Sydney at the age of 18 to study science at Sydney University.

While at university he was fortunate to be able to reside at St Andrew’s College and this is where he met and formed friendships with various people currently in the news including Rob Oakeshott MP. You might not know it now but during the mid to late 90’s Shane was indulging another passion of his, playing in a band. He played bass guitar and co-wrote original songs for the heavy rock outfit “Skoboe” that was influenced by 70’s rock - think Led Zeppelin and Deep Purple - and the Seattle ‘grunge’ of the 90’s. The band consistently played venues throughout Sydney with a highlight playing the Vans Warp tour supporting major international acts. This was at the time that he was doing his PhD degree at the Heart Research Institute under the supervision of Profs. Roland Stocker and Roger Dean, where he developed his long-term interest in studying oxidative stress, antioxidants and cardiovascular disease, a passion that he hopes to impart to his own students. Although music remains a lifelong pleasure, the siren song of science and medical research ultimately had a stronger calling.
As a Postdoc Shane achieved research success, being awarded an NHMRC CJ Martin post-doctoral fellowship that permitted him to spend three and half years working in Boston at the Whitaker Cardiovascular Institute under the mentorship of Prof. John Keaney, a highly successful Cardiologist with an amazing passion and knowledge for basic science. Not only was his time in Boston research productive but personally satisfying, so much so that Shane and his wife Sharryn seriously considered making Boston their home. However in 2004 they made the decision to return to Sydney for family reasons.

Following his return Shane was awarded an NHMRC RD Wright Career Development Award and NHMRC project grants as CIA that ultimately lead to the establishment of an independent research group here at UNSW. While this was an exciting new development in his career there was also the frustration of trying to build a productive research team during a time of decreasing research dollars and dealing with ever increasing red tape to balance the scales.

The grind inherent in setting up a new independent research lab is almost over for Shane. It has taken true dedication, perseverance and a lot of self-belief to get to the stage where he is looking forward to the future as the Redox Cell Signalling Group gains momentum. When asked to ‘crystal ball’ this future he sees, “several more quality, impacting publications and grants over the coming years and success for the students and post-docs in performing experiments and achieving their career goals.”

One thing Shane is committed to doing is mentoring higher degree students. “It’s vital that a student is able to identify trustworthy mentors with a genuine willingness to help support their goals,” he says. The other lessons he has for them, “You need to have a clear picture of what is it is you wish to achieve as it’s easy to get side-tracked, and value quality over quantity when it comes to research publications,” Shane says. “With this in mind you may just ride out the rough patches when they arrive and your research will make a longer-lasting impact.”

Ever the pragmatist, Shane acknowledges that the rewards in research are altruistic in nature. “If you are chasing personal fortune then research is probably not for you,” he says. “My friends in finance work as hard as I do but they receive significantly more money for it.” He is quick to point out that there is more to a job than financial success. “What is ultimately important to me is job satisfaction. Having the opportunity to perform research and be creative on a daily basis is priceless.”

Two years ago Shane’s life altered in the most wonderful of ways – he became a father for the first time. Whilst he has always tried to maintain a balanced life this event gave him the chance to take stock of the things that he values most. “Right now there is nothing more important than spending quality time with Sharryn and Harrison…with the possible exception of sleep,” he quips. “I’m very happy with my lot.”

For now Shane is in a good place. There is nothing that he would change if he had that power. “Apart from learning from your mistakes and reflecting on good memories I think there is no point in dwelling on the past, what’s done is done. Striking a balance is not always easy but it is always worth striving for.”
A joint meeting of the ANZACA (Australian and New Zealand Association of Clinical Anatomists) and AIAS (Australasian Institute of Anatomical Sciences) was held at the Crowne Plaza Hotel, Coogee Beach from 9-11 December 2012.

The theme of the conference was ‘Advancing Anatomy Education and Research’ and featured a combination of clinical and radiological anatomy, embryology, anatomy education and anthropology. The international nature of the conference was evident by delegates from South Africa, the United States, United Kingdom, Europe, Malaysia, India and Korea. In addition, there were a large number of delegates from Australia and New Zealand. The meeting was well sponsored by several book publishers and anatomy laboratory suppliers.

Professor Nick Hawkins opened the conference and provided interesting historical and future perspective in Anatomy. There were a wide variety of oral and poster presentations, but the highlights of the conference were the keynote speakers, Professor Wojciech Pawlina (Mayo Clinic, Rochester, USA, and Editor-in-Chief of Anatomical Sciences Education) and Dr Estelle Lazer (University of Sydney). Professor Pawlina’s speech centered on the challenges facing higher education in particular the ‘Y-generation’, millennium challenges and social media. His subsequent workshop examined the ‘hidden curriculum’ in modern curriculum design. Dr Lazer, a forensic anthropologist delivered an inspiring lecture entitled ‘Pompei AD 79: Anatomy of a mass disaster’. She presented her findings on an examination of the remains of the human victims of the AD 79 eruption of Mt Vesuvius in Italy providing insights into their lives and deaths.

On a social note, the conference dinner cruise on Sydney Harbour was a unique experience for many delegates and provided a close-up view of the iconic Sydney Opera House and Harbour Bridge.

The success of this conference was reflected by much positive feedback such as:
Professor Helen Nicholson (Dean, Otago School of Medical Sciences, NZ) - “The conference provided a good balance of clinical anatomy original research and medical education papers. It had fantastic plenary speakers and attracting Dr Pawlina was a real coup. The number of students attending and the quality of their presentations indicates that Anatomy is not dead and is likely to have a healthy future in Australasia”.

Dr Vaughan Kippers (University of Qld and ANZACA Council member) - “This meeting attracted a record number of registrations, which, in itself, is a major achievement, for which your organizing committee should be congratulated”. “Very good choice of guest speaker – Wojciech is a deep thinker with many positive ideas. The keynote address and the workshop were both very informative”.

Emeritus Professor Phil Waite (UNSW) - “I thought it was an impressive meeting, very well organized, great location and good mix of topics from cutting-edge e-learning to clinical imaging”.

The conference ended with a prize giving ceremony and delegates looking forward to re-uniting at ANZACA 2013, to be hosted by the University of Queensland.

Photographs:
1 LtoR - Marcus Robinson (represented AIAS), Irina Dedova, Ken Ashwell, Nalini Pather (co-chair), Craig Hardman, Patrick de Permentier (co-chair) and Julie Sinuks (represented AIAS). Priti Pandey (absent in this photo) was also a member of the committee
2 Professor Wojciech Pawlina (Mayo Clinic, Rochester, USA, and Editor-in-Chief of Anatomical Sciences Education)
3 Dr Estelle Lazer (University of Sydney)
4 ANZACA conference group photo
10 Things You May Not Know About Richard Vickery

Did you or do you have a nickname, how did this come about?
☆ In High School, 'The Mop', because of my mane of shaggy hair. In Primary School, 'Mr Dictionary', for my love of language and winning a few definitional battles with my fifth grade teacher (marmot is one I remember).

Do you have any pets?
☆ Pets/ livestock. We have two muscovy ducks; we had four, but I slaughtered, plucked and dressed the boys and we had a big feast with friends including veggies that everyone had grown. We have some native fish, and a cockatil too: they’re not on the menu at this stage.

Where did you grow up?
☆ Mainly in Randwick and Bronte, with stints overseas when my Father took Sabbatical. We lived in Holland for a year when I was three and a half (my mother is Dutch) and came back to Sydney the week that I started Kindergarten. My parents hadn’t figured on me forgetting English in that year of only speaking Dutch – so I had a traumatic tug-of-war with a large nun who I couldn’t understand, but who seemed to want to steal my school bag! It took a few weeks before I could converse again in English.

What is your most embarrassing moment?
☆ Ah, so many... I remember one in my HSC year, where my father decided to accompany me to a lecture at UNSW on Robert Browning’s poetry especially for High School students. I decided I just had to ask whether Browning’s “the startled little waves that leap, In fiery ringlets from their sleep” was referring to ringlets of pubic hair. Hindsight shows it was not the best call in the Science Theatre packed with hormonally-charged 17 and 18 year olds..... My father sank quietly into his seat amid the uproar.

How do you spend your free time?
☆ I’m a Chair of Boardgames Australia, which awards prizes each year to the Best Australian Game, Children’s Game, and International Game. Sadly that involves some administration in addition to playing games. I also design games for fun, a couple have been published in game journals – I am currently working on one where players must negotiate the intricacies of determining a seating plan for a wedding.

What is your favourite food?
☆ Penang Laksa from Satay Delight. I take my own bowl, spoon and chopsticks as it seems so wasteful to throw all that away, although the ladies there tease me that I just want more soup!

What is the most favourite concert that you have been to?
☆ Sitting near Olivier Messiaen during a concert of his works in the Great Hall at Sydney University and then later hearing Messiaen’s works played on the Notre Dame organ; a grungy ‘80’s Sydney band called the Tall Shirts who renamed themselves the Tall Ships to cash in on 1988 fever, had us all cockroach-dancing on our backs on the floor of the Annandale Hotel.

Complete the statement: “I recommend…” (it can be a show, movie, book, restaurant, activity, etc)
☆ I recommend challenging your assumptions at least once a day (even if just to give Brussel sprouts a second chance!)

What do you most enjoy about your profession?
☆ The incredible variety of what I have the opportunity to do every day: wrestling with difficult scientific questions, building equipment or software, trying to communicate to and engage students in the amazing but difficult areas of modern neuroscience, interacting with a range of wonderful people.

What is the one thing you would really like to learn how to do?
☆ I’ve often thought some trick, like doing a back-flip, might be a good way to turn-around a lecture that is losing momentum.
The BioTek EL406 Combination Washer Dispenser offers fast microplate washing and dispensing with a three reagent dispenser. The EL406 is the latest advancement and can wash and dispense 1536-, 384- and 96-well microplates. The instrument has also been optimized to wash loosely adherent cell monolayers.

The EL406 has the following features:

- ELISA Automation
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- Built-in ultrasonic cleaner
- Smaller bench top footprint compared to separate washer and 3 dispenser

Up until now scientists chose their microplate dispenser technology – usually a peristaltic or syringe pump and each has its unique advantages. The EL406 eliminates the need to choose, thus offering both dispenser technologies on a single platform plus microplate washing. Now you can simply press a button and walk away.

Custodian: Sharron Chow sharron.chow@unsw.edu.au
Equipment location: 524 Wallace Wurth
M Heydari, Y Boutcher and S Boutcher

“High-intensity intermittent exercise and cardiovascular and autonomic function”, Clinical Autonomic Research, 23 (1): 57-65

This research study shows that twelve weeks of interval sprint training resulted in significant changes in a number of cardiovascular and autonomic measures. Findings from this study show these changes have clinical health implications.

S Savage, K Ballard, O Piguet and J Hodges

“Bringing words back to mind Improving word production in semantic dementia”, Cortex, doi.org/10.1016/j.cortex.2012.09.014

This original research report investigated the effectiveness of a simple cognitive intervention for patients with Semantic Dementia, showing that even patients with severe language deficits can re-learn certain everyday words within 3 weeks of practice. Findings from this study have important clinical implications for the management of this dementia.

F Luciani, M Sanders, S Oveissi, K Pang, and W Chen

“Increasing Viral Dose Causes a Reversal in CD8+ T Cell Immunodominance during Primary Influenza Infection due to Differences in Antigen Presentation, T Cell Avidity, and Precursor Numbers”, Journal of Immunology, doi: 10.4049/jimmunol.1200089

This paper describes the polyclonal T cell responses against Influenza A virus in a mouse model. In this work we combined experimental and statistical analysis to estimate key quantities of the T cell responses against this important virus.
SoMS Seminar Series Presents

Professor Michael Roberts

Michael Roberts holds three posts - a NHMRC Senior Principal Research Fellow, Professor of Therapeutics & Pharmaceutical Science at the University of South Australia and Professor of Clinical Pharmacology & Therapeutics at The University of Queensland. He established and is Director of the Therapeutics Research Centre based at the Princess Alexandra Hospital (Brisbane). He has 480 publications and has co-edited 6 books. In addition, he has been awarded the Australasian Pharmaceutical Science Association Medal “for outstanding achievements in pharmaceutical science” and the Michael Rand Medal for outstanding contribution to the disciplines of clinical and experimental pharmacology or toxicology nationally and internationally by ASCEPT (Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists). Most recently, he is part of the team (with Profs Buckley, Dawson and Isbister) that has just been awarded a NHMRC Program Grant on Human Toxicology for 2014-2018.

“Using imaging to better define the absorption and disposition of drugs and nanoparticles”

Wednesday 17th April

4 - 5pm
Level 4 Lowy Seminar Space
Lowy
Light refreshment served after event
ComBio 2013
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29 September to 3 October 2013

Early Registration and Abstract Deadline:
Friday, 5 July 2013

Themes of the conference will include:

- Cell Biology
- Plant Biology
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- Signalling
- Gene Regulation
- Proteins
- Developmental Biology
- Regenerative Science:
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Incorporating the annual meetings of
- Australian Society for Biochemistry
  and Molecular Biology
- Australian Society of Plant Scientists
- Australia and New Zealand Society
  for Cell and Developmental Biology

Representatives of the following societies will assist
the programme committee:
- Australian Society for Stem Cell Research
- Australian Society for Microbiology

Further information:
Conference: George Yeoh
George.Yeoh@uwa.edu.au

Registration/Exhibition: Sally Jay
combio@asbmb.org.au

Plenary Speakers
Confirmed Plenary Speakers at this time:

- Gabriele Bergers, University of California, San Francisco, USA
- Liam Dolan, Oxford University, UK
- Aaron Gitler, Stanford University, USA
- Graham Hardie, University of Dundee, UK
- Matthias Hentze, European Molecular Biology Laboratory, Heidelberg, Germany
- Philip Ingham, A*Star, Singapore
- Lynne Maquat, University of Rochester, USA
- Gerry Melino, MRC Toxicology Unit, University of Leicester, UK
- Elizabeth Miller, Columbia University, USA
- Pura Muñoz-Cánoves, Universitat Pompeu Fabra, Spain
- Kiyoshi Nagai, MRC Laboratory of Molecular Biology, Cambridge, UK
- Keiichi Namba, Osaka University, Japan
- Rafael Oliveira, State University of Campinas, Brazil
- Christine Raines, University of Essex, UK
- Gabriel Silva, University of California, San Diego, USA
- Mark Stitt, Max Planck Institute for Molecular Plant Physiology, Göl, Germany

Our plenary speaker:
Prof. John Mattick

Director of the Garvan Institute of Medical research
"The human genome as the zip file extraordinaire"
Prof. Mattick is recognized for his extensive knowledge and experience in human genetic and genomic research. His research led to the discovery of the function of non-coding DNA.

**INVITED SPEAKERS**

Prof. Andrew Grulich (University Of NSW)
*Infection, the immune system, and cancer: clues from people with HIV and other immune deficient states*

Prof. Carolyn Sue (Kolling Institute)
*Using patient derived stem cell models to investigate neurologic disease*

Prof. Kathy Belov (University of Sydney)
*Unravelling the features of a contagious cancer: insight from devil facial tumour disease*

**REGISTRATION**

ASMR Members:
Non-students $90, students $70

Non-Members:
Non-students $115, students $95

(includes morning/afternoon tea, lunch, and post-conference drinks)

**PRIZES**

Best post-doctoral presentation
Best student presentation
Best RA/technician presentation

**CONTACT**

Dr. Nancy Mokbel
n.mokbel@garvan.org.au

Dr. Liz Caldon
l.caldon@garvan.org.au
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The University of New South Wales
Kensington Campus, Sydney, Australia

THEMES
> Discovery
> Pre-Clinical
> Clinical

CONFIRMED PLENARY SPEAKERS

Professor Adrian L Harris
University of Oxford, UK

Dr Lewis C Cantley
Harvard University, USA

Professor Peter Curnow
University New South Wales, Australia

Dr Lee J Helman
National Cancer Institute, USA

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**Library Update**

Kate Dunn

**Anatomy & Physiology Online**
Covers 19 modules (including 11 body systems) with 3D images and interactive models. Includes narrated animations, dissection slides, case studies and quizzes.

**Primal Pictures Online: (Regional Anatomy)**
An interactive resource of more than 20 learning and teaching modules covering regional anatomy, sports and therapy and basic neuroanatomy.

**uCentral: Unbound Medicine**
A mobile and web application to deliver clinical content to the point of need. It enables the permanent download of selected clinical texts to your smart phone or tablet, using their app. A number of different operating systems are supported.
(Texts include: 5 minute Pediatric Consult, 5 minute Emergency Consult, 5 minute Clinical Consult, Harrisons Manual of Medicine.)

For further information please contact Kate Dunn at Kate.Dunn@unsw.edu.au

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**Future Designs**

Venues and Events are trialling a new type of classroom seating in Morven Brown. The Node chair (as pictured). Designed for mobility and interaction, this funky swivel chair on casters, comes complete with a fully-adjustable writing tablet, and unique storage solution for belongings that usually clutter the aisles. This extensive refurb also sees the end of fixed tables in classrooms, as we roll out fresh new fold away tables on casters, making it easy for users to spin the room in any direction or configuration they like.
2013 UNSW Innovation Awards

Applications for the UNSW Innovation Awards – 2013 are now open. The UNSW Innovation Awards recognise and reward the significant effort and ingenuity of UNSW staff and students, along with potential partner organisations, in the creation and transfer of new knowledge and innovations into society and the economy. The Awards recognise innovations in any field of activity across UNSW and at any stage in development.

For further details visit: www.nsinnovations.com.au