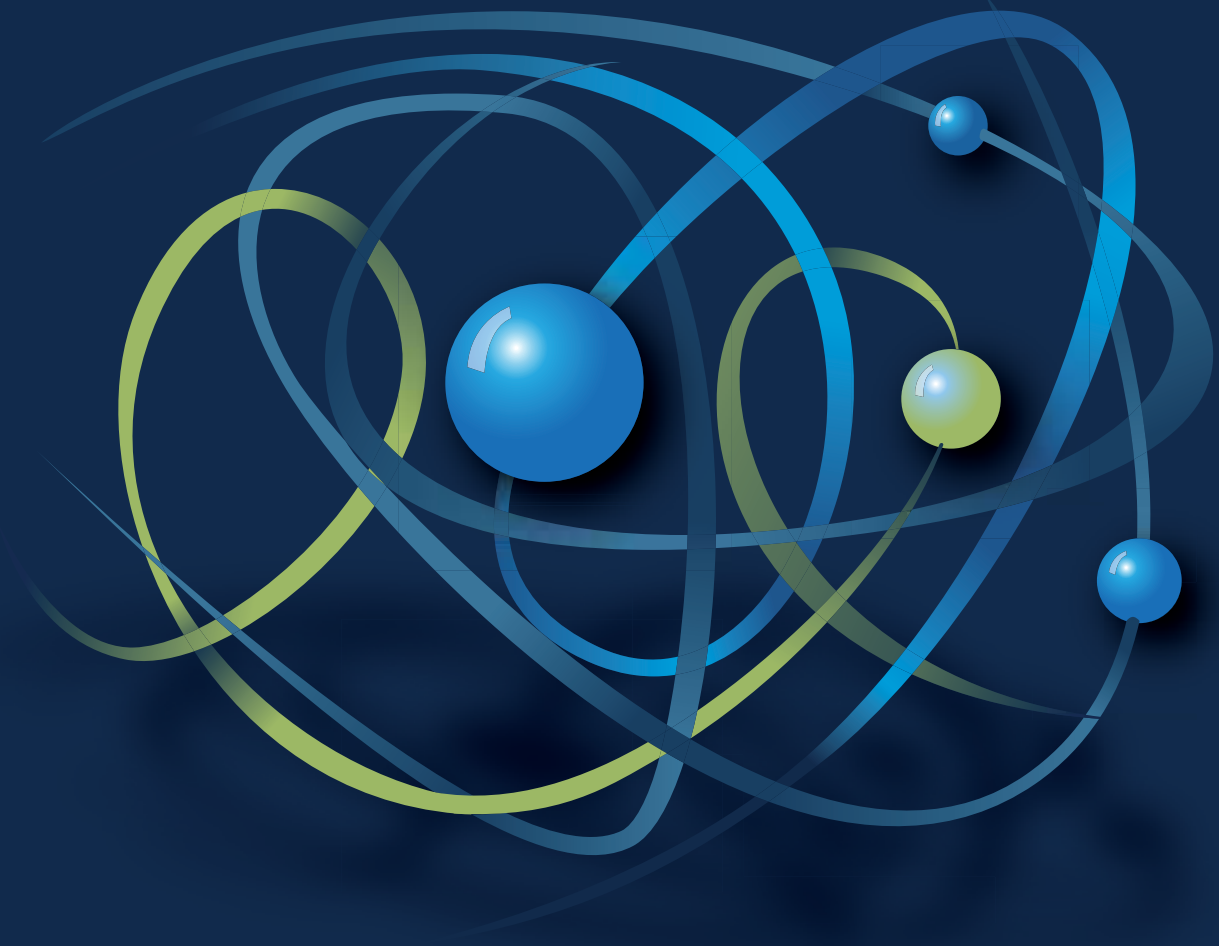


Ingham Institute
Applied Medical Research

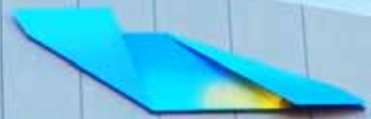


RESEARCH HIGHLIGHTS 2013/14

A photograph of a modern building interior. The scene features a glass-enclosed staircase with wooden steps and metal railings. A white car is visible through the glass. The architecture includes white columns and a light-colored floor. The lighting is bright and even.

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Ingham Institute



Our Mission

At the Ingham Institute, our mission is to challenge the understanding and treatment of existing medical conditions and processes and, by doing so, radically transform community health outcomes for the better.

About the Ingham Institute

The Ingham Institute is a not for profit research organisation in Sydney established to undertake medical research that specifically addresses, and can be applied to, the needs of the local population and wider Australia.

Located at Liverpool Hospital, the Ingham Institute is changing the way medical research is done in Australia by transferring research into practice across its six research streams, enabling the swift transfer of findings into day-to-day medical practice.

The Institute's research team are focused on exploring new medical approaches for a range of critical diseases including cancer, clinical science (comprising cardiovascular disease and infectious and inflammatory diseases), community and population health, early years/childhood health, injury and rehabilitation and mental health and are at the forefront of the most advanced medical breakthroughs and clinical outcomes.



CHAIRMAN'S MESSAGE

As Chairman of the Ingham Institute Board, I am very pleased to release the Ingham Institute's 2013 Research Highlights report. This report highlights the research programs and studies being undertaken at the Institute with the core focus of furthering medical and health knowledge through our translational research programs.

Although the Institute has only been operating for two years, the work of our researchers is already attracting local, national and international attention and recognition. Fundamental to this is the dedication and passion of our researchers who continue to conduct groundbreaking research and invest knowledge and enthusiasm into new technologies and collaborative projects.

At the Ingham Institute it is our aim to grow the knowledge of existing medical conditions and processes and by doing so improve the community health outcomes for the better. The Ingham Institute is the medical research hub for South Western Sydney, and is partnered with the South Western Sydney Local Health District (SWSLHD), the University of Western Sydney and UNSW Australia. This partnership opens the Institute to exciting new research opportunities and resources and forms a very solid base on which to develop our research streams.

Our dedicated researchers are developing powerful new technologies which enables the Ingham Institute to have a real impact in medical research. The Circulating Tumour Cells (CTC) Facility is one such example; with the Institute housing NSW's first CTC facility. This powerful new cancer screening technology eradicates the need for cancer patients to undergo biopsies and, instead, simply have a routine blood test to assess cancer cells and their behaviour.

In 2013, the Board were actively involved in the promotion of the Ingham Institute name to the local and wider communities, raising awareness of the Institute and the high calibre research programs underway. As a result of our efforts, a significant number of government agencies, service clubs and corporate organisations have toured the Ingham Institute. We are very honoured that a growing number of corporate organisations are proudly supporting the Institute. We look forward to developing long-standing relationships with our supporters as we work together to support our researchers who continue to achieve

real medical breakthroughs.

Our flagship project, the MRI-Linac, is nearing completion and is set to revolutionise cancer treatment in Australia, a truly remarkable effort for all project members. Professor Paul Keall, the chief investigator of the \$16 million project, is leading the team who are working hard to ensure that the equipment is installed and operating in 2015.

The Institute is guided by a very committed and active Board and I would like to thank all of the Directors for the contribution they make. Last year A/Professor Anthony Schembri resigned from the Board to take on the new role of Chief Executive Officer for St Vincent's Health Network Sydney. We thank Anthony for his valuable contributions over the years and wish him well in his new role. Anthony's position was filled by Robynne Cooke, the recently appointed General Manager of Liverpool Hospital. I would like to pay tribute to the Board Directors for their commitment and direction over the year which has resulted in the Ingham Institute becoming an established name in the community. At the Ingham Institute, our purpose is to continue advocating excellence, fostering collaborations and training the next generation of medical research talent.

I also would like to especially thank our partners, the SWSLHD, UNSW Australia and UWS, who have all greatly contributed to the achievements of the Ingham Institute and continue to provide tremendous support to our researchers and their studies.



Terry Goldacre
Chairman



RESEARCH DIRECTOR'S REPORT

In order for a medical research institute to operate efficiently, it requires a solid foundation to remain focused and clear directions to facilitate growth. The successful implementation of the Ingham Institute's five year Research Strategy in 2013 has given us the tools to achieve this. Our top three goals in the Strategy include: supporting high quality applied medical research priorities, building capacity for high-quality applied medical research in South Western Sydney, and sustaining a strong and collaborative profile for the Ingham Institute. The Board and Research Executives are ensuring processes are set in place for researchers to efficiently and effectively continue their work, which will ultimately help to improve the health and wellbeing Australians suffering from critical diseases.

The Ingham Institute is now home to more than 35 research groups and more than 200 of Australia's leading researchers. The increase in research group affiliations with the Ingham Institute resulted in the need to define key themes and streams of research. As a result, group leaders were invited to a one day planning session which resulted in the identification of the Institute's six streams of research: cancer, clinical science, community & population health, early years and childhood health, injury & rehabilitation and mental health.

The Institute has seen some key appointments across our research streams, the result of generous funding of grants from the National Health and Medical Research Council (NHMRC), Australian Research Council and Cancer Institute NSW. The Institute's Translational Cancer Research Unit (TCRU) headed by Professor Paul de Souza welcomed three new members to its team in 2013. Senior Scientist, A/ Professor Therese Becker leads the development of the Ingham Institute's pioneering Circulating Tumour Cell (CTC) facility, and is interested in the development of novel markers for circulating melanoma cells. A/Professor Kieran Scott supervised two UNSW Australia Honours students whose projects involved a peptide inhibitor of phospholipase A2 and its activity in prostate cancer, pancreatic cancer and colorectal cancer cell lines, and a first in human Phase I clinical trial of c2 in prostate cancer. Travelling all the way from Queensland to join the Institute, Professor Kevin Spring is working to develop

an overarching IT solution for biobanks and clinical endpoints, colorectal cancer biology, and CTCS in colorectal cancer.

The Whitlam Orthopaedic Research Centre (WORC) established The Arthroplasty Clinical Outcomes Registry (ACORN) to improve the quality and effectiveness of Arthroplasty surgery by monitoring, evaluating and reporting clinical outcomes. In early 2013 the Ingham Institute's flagship MRI-Linac project, led by Professor Paul Keall, received further funding from the NHMRC with the awarding of a \$5.7 million grant. The five year grant contributes to infrastructure and research elements of the project which will see the development of a comprehensive research program to commission and develop a first-generation MRI-Linac for Australia.

Professor Derrick Silove, leader of the Psychiatry Research and Teaching Unit received an NHMRC grant worth \$10,637,635 over five years to develop the Translating Science into Better Post-traumatic Mental Health program. This program builds on discoveries from basic science to develop and evaluate clinical and population based programs to address the range of post-traumatic mental health needs in both Australia and globally.

The Ingham Institute continues to engage and foster a strong collaborative culture and this is evident of our links worldwide, with our research groups committed to a number of internationally renowned research studies. Founded by CHETRE, the Maternal Early Childhood Sustained Home-visiting (MECSH) program has been successfully implemented in sites in South Western Sydney, NSW, Victoria, Tasmania, South Korea and the United Kingdom, providing quality, evidence-based home visiting for more than 10,000 vulnerable families worldwide.



Professor Michael Barton OAM
Research Director



CHIEF OPERATING OFFICER'S REPORT

October 2013 marked the Institute's research facility's first anniversary, a very special milestone celebrated by our Board of Directors and researchers. Over the year, I am pleased to report the Ingham Institute has continued to grow in respect to the volume of research activity, personnel and facilities; and within 12 months has managed to sustain tremendous results and breakthrough findings which you will read more about in the following pages.

Another key milestone was the official opening of our Clinical Skills and Simulation Centre on 11 June by the Health Minister of Australia in power, the Hon. Tanya Plibersek MP. The new state-of-the-art medical training centre is located at Liverpool Hospital and is the education hub for students and medical professionals to help them build successful careers in health and medical research. The Clinical Skills and Simulation Centre is focused on providing students, trainees and practitioners with a simulated learning environment, boasting some of the most high-level simulation equipment including a high-fidelity robotic patient mannequin 'SimMan' and two of Australia's few fully simulated operating theatres, to enable 'mock' operations. The facility is run by UNSW Australia, a key partner of the project, along with the University of Western Sydney (UWS) and the South Western Sydney Local Health District (SWSLHD).

The year also acted as the launch-pad for many successful community and fundraising events driven by the Institute's Fundraising and Marketing & Communications team. Key highlights of the year include our Pathways to Success schools program. The program is aimed at local high school students in South Western Sydney, promoting medicine, nursing and medical research as career options and encouraging students to pursue higher education at university to help boost employment and the local economy. Over 10 local high schools participated and were privileged to receive specialised talks and careers seminars from some of the Institute's top researchers. Another major and highly successful initiative was the inaugural Ingham Institute Awards Dinner held at Liverpool Catholic Club on Friday 6 December. The evening saw the presentation of four major awards on the evening; the Lady Mary Fairfax Distinguished Researcher

Award (awarded to Professor Derrick Silove, Director of the Psychiatry Research & Teaching Unit), Early Career Researcher (awarded to Dr Ajesh George from the Centre for Applied Nursing Research) Excellence in Teaching (awarded to Dr Slade Jensen, Group Leader of the Antibiotic Resistance and Mobile Elements Group) and Three Minute Thesis Competition (awarded to Mark Buhagiar, Physiotherapist at Braeside Hospital), all of which were kindly sponsored by our supporters. More than 300 guests joined us on the evening, truly making the evening a resounding success, with plans for the 2014 event well underway.

The Ingham Institute was also one of the big winners at the 2013 Narellan Rotary Club Ball held in August, receiving more than \$1 million in donations from long-time supporters, Mr Bob Ingham AO and Lady Mary Fairfax AC, OBE. In addition, Nepean Engineering group, a new supporter of the Institute, generously donated \$10,000 on the evening in support of our breast cancer research programs.

The Institute also performed well on the research grant funding side throughout the year. In particular, the Heart and Brain Collaboration was the recipient of grant funding from the Office for Health and Medical Research to the tune of \$306K plus in-kind support for its 'Home to Outcomes - A Data Linkage Study of the Stroke Journey'. The grant forms part of the NSW Governments Neurological Conditions Research Grants Program (NTP) which promotes translational research into neurological conditions. The translational research grant supports the Heart and Brain Collaboration's initiatives which are scalable within the NSW health system and correspond with state-wide research strategies.



A/Professor Greg Kaplan
Chief Operations Officer





OUR GOVERNANCE

Terry Goldacre, Chairman



Terry Goldacre joined the Institute Board in 2008. He is currently the Managing Director of Harrington Estates (NSW) Pty Ltd, which since 1993 has been responsible for the development of the leading residential estate Harrington Park. Prior to this, he held executive positions in the civil engineering and land development industries. He is past president of the Urban Development Institute of Australia (NSW Division) and is a founding trustee of the Harrington Park Foundation.

Dr Teresa Anderson



Dr Teresa Anderson is the Chief Executive of the Sydney Local Health District. Teresa was previously Director of Clinical Operations of the Sydney South West Area Health Service until she took up her current position in January 2011.

Tim Bryan



Tim Bryan is a Chartered Accountant; he is a Senior Client Director and Managing Partner of Kelly+Partners South West Sydney, a financial advisory group based at Campbelltown. Tim is a Founding Director and Chairman of the Finance Committee, Kids of Macarthur Health Foundation; and Chairman of St Gregory's College Finance Advisory Committee. Tim has a special interest in research into childhood diseases.

OUR GOVERNANCE



David Hazlett

David Hazlett has lived and worked in the Macarthur area all of his life and is Managing Director of Cameron Brae Pty Limited a successful family business based in Sydney's South West. Cameron Brae is currently involved in importing and distribution along with property

investment and development. David was President of the Liverpool Rotary 1993-1994 and was made a Paul Harris Fellow in 1997.



John Hexton

John Hexton became a Board member in 2008. John has been the Director Corporate Services at Inghams Enterprises Pty Limited since 1987 and has more than 30 years' experience in a wide range of areas within the business including direct responsibility for all financial

and legal matters, HR, IT, OHS and property.



Prof Annemarie Hennessy

Professor Annemarie Hennessy is the Dean and Foundation Chair of Medicine at the University of Western Sydney. She was the Director of the Hypertensive Disorders of Pregnancy (HDP) Unit at the Royal Prince Alfred Women and Babies (RPAWB) from 1998

until October 2006 and continues in an honorary capacity within the unit. Annemarie has a commitment to medical research in her capacities as Dean of the School of Medicine, UWS.



John Ingham

John Ingham was born in Liverpool and worked at Inghams Enterprises for over 10 years in various positions and was the National Sales and Marketing Manager for a number of years. He is the Managing Director of Upstart Marketing, a Marketing Consultancy focusing on designing

and managing web sites for companies large and small for over 15 years. He was Vice Chairman on the Australian Jockey Club Board and a Board Member till the merger that created the Australian Turf Club.



Debbie Killian

Debbie Killian has 25 years' experience working in health, education, community welfare and local government in Western Sydney - much of it in the South West. This has included senior roles in managing community health services; inpatient and outpatient

allied health services; and community development programs among a range of other service types.



Amanda Larkin

Amanda Larkin is the Chief Executive of South Western Sydney Local Health District (SWSLHD). Previously Amanda worked as the General Manager of Camden and Campbelltown Hospitals and the Queen Victoria Memorial Home. Ms Larkin has a Bachelor of Social Work, Associate Diploma in

Environmental Service and is working towards a Doctorate in Business Administration. Amanda currently serves as a Board member of the Ingham Institute for Applied Medical Research and the South Western Sydney Medicare Local.



Jim Marsden

Jim Marsden is the Senior Partner at Marsdens Law Group. His firm is based primarily at Campbelltown with offices at Liverpool, Camden and the City of Sydney. Jim has a history in a number of areas of community involvement. His past involvement includes Chairman

of West Magpie Rugby League, Wests Tigers, the Chamber of Commerce, and board membership of NSW Rugby League and Odyssey House.



Tony Perich

Tony Perich is the Joint Managing Director of Leppington Pastoral Company, Organic Fertilisers [Leppington], the Greenfields Development Company, Arrowvest, Narellan Town Centre and Dart West Development Ltd. Tony has an outstanding record of service within the local community having

previously served as President of Narellan Rotary, Chairman of the Fundraising Committee for the Spastic Centre's Growth Point Project in Liverpool, Vice-President of the Narellan Chamber of Commerce and President of the Dairy Research Foundation of the University of Sydney.



A/Professor Anthony M Schembri

Associate Professor Anthony Schembri is the General Manager of Liverpool Hospital and conjoint appointee in the South Western Sydney Clinical School of the Faculty of Medicine at UNSW Australia.

Anthony is a Fellow of the Australian College of Health Service Executives and a member of the Clinical Excellence Commission (CEC) Hand Hygiene Advisory Committee and the Expert Group on Preventing Hospital Acquired Infections and previously appointed to the Clinical Council of the CEC.



Professor Peter J Smith

Professor Peter Smith is Dean of the Faculty of Medicine at UNSW Australia. He specialised in cancer medicine and research following study in Australia, USA and Germany. Professor Smith has held senior hospital management posts in Brisbane and Melbourne, senior

academic appointments at the Universities of Queensland, Melbourne and Auckland. He has served in a consulting role to government, including as Chair of the recent Inquiry into Vietnam Veterans Cancer Incidence and Mortality.



Arnold Vitocco

Arnold Vitocco is a local Macarthur resident and licensed builder. His family's development company, D. Vitocco Constructions Pty Ltd has been building and developing in the Liverpool and Macarthur region since the late 1950s. Notable developments by his family

company include the Narellan Town Centre and Gregory Hills, a 2,500-lot subdivision and 43 hectares of employment zone. Arnold is a member of Narellan Chamber of Commerce and is a committee member of the St Gregory's College, Campbelltown.



Professor Jeremy Wilson

Professor Jeremy Wilson is the Clinical Associate Dean of the South Western Sydney Clinical School in the Faculty of Medicine at UNSW Australia and the Director and Professor of Medicine at Liverpool Hospital. Professor Wilson holds a number of leadership appointments

within the NSW health system. He is a pancreatologist and his research career has focussed on the elucidation of the pathogenetic mechanisms of pancreatic disease and more recently stromal-tumour interactions in pancreatic cancer.





FACILITIES

RESEARCH BUILDING

The Ingham Institute for Applied Medical Research facility is uniquely positioned on the grounds of Liverpool Hospital, the largest tertiary referral and teaching hospital in the South West of Sydney.

Officially opened in October 2012, the Ingham Institute building boasts a five storey research facility built to accommodate the growing need of much needed health and medical research in NSW. Comprising wet and dry areas of research space, the Institute is home to 200 of the nation's top talent under the one roof.

Housing state of the art equipment and resources, the Ingham Institute encourages collaborations and the sharing of ideas and knowledge amongst our six streams of research; cancer, clinical science, community & population health, early years and childhood health, injury & rehabilitation and mental health.

Our bench to bedside to community pledge is evidence of our translational research programs.



16. Ingham Institute Research Highlights 2013/14

The Institute serves as the research hub of innovation for the South West of Sydney and wider Australia.

Its formation was made possible through many generous donations from the Institute's Founding Benefactor, Mr Bob Ingham AO and Lady (Mary) Fairfax (AC. OBE), over the years and infrastructure funding from the Australian Government's Health & Hospitals Fund in 2009.



CANCER TISSUE BANK

The Ingham Institute South West Sydney Comprehensive Cancer Tissue Bank is a large collection for cancer biospecimens, including tumour and normal adjacent tissue, blood and blood products, which are linked to relevant health information and used as a resource for researchers to advance the understanding of cancer.

At the Ingham Institute, researchers are involved with the collection, processing and storing of cancer biospecimens and health information for future research into the prevention and cure of cancer.

The Cancer Tissue Bank aims to assist researchers in conducting large, population-based studies investigating the genetic, lifestyle and environmental factors associated with cancer.



CIRCULATING TUMOUR CELLS (CTC) FACILITY

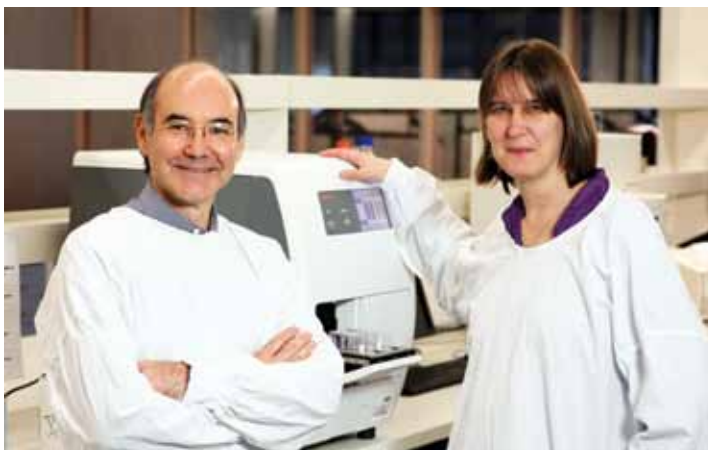
The Ingham Institute is home to NSW's first-ever Circulating Tumour Cells (CTC) facility, specialised cancer scanning technology that measures single cancer cells in the blood of a cancer patient. Welcoming the new technology in May 2013, the CTC measures single cancer cells so that researchers can isolate and study their genetic make-up. These findings then provide clues to various questions researchers have, including why some cancers spread and others do not.

The CTC uses a blood sample as a liquid biopsy, sparing patients painful and difficult tissue biopsies. The detection and isolation of CTCs is a new and emerging research domain that has the potential to provide indications for cancer treatment outcomes with minimally-invasive blood collection.

Because of its simplicity, liquid biopsies can be taken repeatedly to monitor the course of disease and response to treatment. Studies at the Ingham Institute are well underway seeking to evaluate CTCs in colorectal cancer. Studies dedicated to lung, breast cancer and melanoma are planned for 2015.

Molecular profiling of a CTC is focused on finding biomarkers, which act as indicators to characterise the individual cancer of a patient. The study does this by testing blood samples on the CTC scanner as opposed to conducting invasive surgery.

Grant funds from UNSW Australia and the Prostate Cancer Foundation Australia saw the purchase of the scanner come to fruition and form part of the Institute's Translational Cancer Research Unit.



Cancer therapy is increasingly moving towards personalised treatment and the Ingham Institute's CTC facility allows for this.

The outcome of studying biomarkers will enable oncologists to design tailored therapeutic management for each individual cancer patient.

CLINICAL SKILLS & SIMULATION CENTRE

The Ingham Institute Clinical Skills and Simulation Centre officially opened in June 2013. The centre, managed by UNSW Australia, acts as a fully simulated training hub for researchers, students, nurses and clinicians from the South Western Sydney Local Health District (SWSLHD), the University of Western Sydney (UWS) and UNSW Australia.

The Centre provides a valuable and unique learning facility for a variety of health professionals to learn technical and clinical skills using medical simulators and models. The Centre's safe and predictable environment assists in developing the confidence and competence needed for clinical practice. This contributes to improved patient safety and treatment outcomes overall.

The Clinical Skills and Simulation Centre is a multi-disciplinary training centre providing outstanding hands-on training for clinicians, nurses, allied health professionals and students, enabling real clinical outcomes to be translated from the bench to the bedside faster and more efficiently.

A stand-out feature for the Clinical Skills Centre is the high-fidelity robotic patient mannequin 'SimMan', a portable and advanced human patient simulator to test students' clinical and decision-making skills during real-life patient care scenarios. It also contains two unique simulated operating theatres to enable mock operations.



CLINICAL TRIALS UNIT

Initiated in 2012 under the leadership of Associate Professor Meera Agar, the Ingham Institute Clinical Trials Unit fosters close working relationships between clinicians, pharmacy, pathology, finance, human resources and the executive team to enhance clinical trials capability. As a result of the Ingham Institute's partnerships with the SWSLHD, the University of Western Sydney and UNSW Australia, the Clinical Trials Unit facilitates unique collaborations with hospital based principal investigators and key university researchers to build capacity for early phase clinical research.

Clinical trials are an important component of the Institute's portfolio as trials are necessary to ascertain whether medicines are safe and effective to introduce as new treatments for a particular disease or condition and may also be used to determine whether an existing medicine can be used safely and effectively for other diseases. Results from these trials can then lead to the development of new pharmaceutical drugs and treatments to improve the health and wellbeing of Australians living with critical diseases.

The Institute's Clinical Trials Unit prides itself in producing high quality data in accordance with regulatory requirements to deliver trials in a timely and cost-competitive manner with streamlined research and ethics.

The Ingham Institute's Clinical Trials Unit specialises in the following clinical areas and is expanding rapidly:

- ***Gastroenterology***
- ***Haematology***
- ***Respiratory and Sleep Medicine***
- ***Injury & Rehabilitation***
- ***Intensive Care (ICU)***
- ***Renal Diseases***
- ***Neurology***
- ***Oncology***
- ***Palliative Care***



MRI-LINAC / RESEARCH BUNKER

The Institute's Research Bunker is the home of the MRI-Linac, state of the art cancer therapy technology. The technology couples an MRI with a Linear Accelerator, an initiative that is being pioneered in Australia at the Ingham Institute.

One of only three in the world, the Ingham Institute will be the first medical research institute in Australia to acquire the unique technology headlining the Institute's cancer programs. The group, led by Professor Paul Keall from the University of Sydney, are currently producing the comprehensive research program to commission and develop the first-generation MRI-Linac.

The Research Bunker is made up of concrete walls of up to 1.5 metre thick and is designed to contain two powerful forces of

nature that will be combined, controlled and directed by Ingham Institute scientists to develop the MRI-Linac into a powerful high-tech machine to help improve radiotherapy treatment for Australian cancer patients. The MRI-Linac will improve the precision and accuracy of radiotherapy by combining an MRI with a Linear Accelerator to enable a distinct and precise view of cancers. For the first time it will be possible to image and target tumours that move as a result of breathing, swallowing and other normal body changes. This will ensure more accurate radiation treatment, whilst preventing normal tissue from being targeted.

Once the MRI-Linac is operational it will set a new benchmark for cancer treatment in Australia, with the potential to dramatically improve cure rates and reduce side effects in over 50 per cent of all cancer patients.





A woman with shoulder-length hair is shown in profile, looking out a window with horizontal blinds. The entire image is overlaid with a semi-transparent blue filter. The text 'RESEARCH WINS' is positioned in the lower right quadrant of the image.

**RESEARCH
WINS**



AGED CARE UNIT

- The group was nominated for the Highly Commended Award as part of the South Western Sydney Local Health District Health (SWSLHD) Awards for its work related to improving admission processes for older patients with delirium. The successful project utilised the Unit's comprehensive patient database, file review and Incident Information Management System (IIMS) data.

ANTIBIOTIC RESISTANCE AND MOBILE ELEMENTS GROUP - ARMEG

- Professor Iain Gosbell received the bioMerieux/ Australian Society for Microbiology Identifying Resistance Award.

Dr Slade Jensen received the 2013 Ingham Institute Excellence in Teaching at the Awards Dinner, in recognition of his commitment to the development of learning in SWSLHD, the development of curriculum and resources and scholarly activities that have influenced learning and teaching.



BRAIN INJURY REHABILITATION RESEARCH GROUP - BIRG

- The group achieved the Best Poster at the 2013 NSW Rural Health and Research Congress, 21-23 October 2013, for their poster 'Examining Employment Outcomes And Vocational Participation For People With Traumatic Brain Injury In Rural NSW: A Multi-Centre Study'.

CENTRE FOR APPLIED NURSING RESEARCH - CANR

Dr Ajesh George won the Ingham Institute Early Career Researcher Award at the inaugural Awards Dinner on 6 December. Dr George is recognised for his early research talent and contribution to the Nursing research discipline as evidenced by publications, grants and awards.

- The group was awarded the Collaboration - Working as a Team Award at the 2013 SWSLHD Quality Awards in recognition of the group's Midwifery Initiated Dental Service Program.
- CANR also collected the Collaboration - Improvement in Patient Safety Award at the 2013 SWSLHD Quality Awards evening in recognition of the groups Transforming Clinical Handover.
- The Midwifery Initiated Dental Service Program was named a finalist for the NSW Health Innovation Awards in the category 'Healthy Living'.

CENTRE FOR MEDICAL RADIATION PHYSICS, UNIVERSITY OF WOLLONGONG

- PhD students Linh Tran, Zhangbo Han, Kaiyang Li and Claudiu Porumb were each awarded the Travel and Phelps Education Grant Award from IEEE Nuclear and Plasma Sciences Society (NPSS) for their high quality papers on Microdosimetry, Brachytherapy, PET instrumentation and Magic Plate respectively.

COLLABORATION FOR CANCER OUTCOMES RESEARCH AND EVALUATION (CCORE)

- Professor Michael Barton (OAM) was named a finalist for the 2013 NSW Health Innovation awards in the individual category of Collaborative Leader of the Year. The NSW Health Innovation Awards recognise outstanding contributions to the NSW Health workforce and volunteers to quality, innovation and excellence.

PANCREATIC CANCER RESEARCH GROUP

- Professor Minoti Apte received the Distinguished Researcher Prize from UNSW Australia's South Western Sydney Clinical School.
- PhD Student Sri Pothula received a Travel Award from the American Pancreatic Association to present his work at the Annual Scientific meeting of the American Pancreatic Association.
- Sri Pothula was awarded the 2013 Young Investigators Award at the American Pancreatic Association (APA) 44th Annual Meeting in Miami, USA.



PALLIATIVE CARE RESEARCH GROUP
Professor Meera Agar was awarded the Early Career Researcher Award from the European Delirium Association of Palliative Care for her work in Delirium in 2013.

PSYCHIATRY RESEARCH AND TEACHING UNIT

- Professor Derrick Silove picked up the Lady Mary Fairfax Distinguished Researcher Award at the Ingham Institute's inaugural Awards Dinner in recognition of his lifelong contributions to the field of refugee and post-conflict mental health.

Professor Derrick Silove achieved the Lady Mary Fairfax Distinguished Researcher Award at the 2013 Ingham Institute Awards Dinner in recognition of his lifelong contributions to the field of refugee and post-conflict mental health.



RESPIRATORY AND SLEEP MEDICINE

- Professor Guy Marks received a NHMRC Excellence Award for the Highest Ranked Research Fellowship Application for 2013.

***Professor Guy Marks was
awarded the NHMRC
Senior Principal Research
Fellowship Award.***

SIMPSON CENTRE FOR HEALTH SERVICES RESEARCH

- In July 2013, Research Fellow Dr. Hassan Assareh was awarded the “Outstanding Doctoral Thesis 2012” at the Queensland University of Technology. His thesis led to 14 outputs. This includes one book chapter and nine papers, with four under review.

WHITLAM ORTHOPAEDIC RESEARCH CENTRE

- Professor Ian Harris was presented the Australian Orthopaedic Association Research Award at the Annual Scientific Meeting in 2013.





RESEARCH HIGHLIGHTS

JANUARY

IMPROVING THE VISUALISATION OF CANCER

The Correlative Microscopy Group headed by A/Professor Murray Killingsworth discovered a unique cell analysis method combining nanotechnology with pathology, which is proving to be a key driver in improving the understanding chronic inflammatory processes in cancer.

The study was published in the Journal of Histochemistry & Cytochemistry suggesting the new method, a world-first piloted by the Ingham Institute group.

The novel approach has allowed researchers to identify cells, visualise their interactions and identify changes with more certainty than traditional cell analysis methods.



FEBRUARY

MEMBER FOR CAMDEN TOURS THE INSTITUTE

The Member for Camden, Chris Patterson MP took a tour of the Ingham Institute's facilities, seeing first-hand how the facility will improve the health and wellbeing of his local electorate and the greater South West community.

The tour acted as a good opportunity for the Minister to see the Institute's research building first-hand and get a preview of the Research Bunker that will house the much-awaited flagship cancer research project the MRI-Linac.

Minister Patterson was also received a glimpse of the Institute's soon to be opened Clinical Skills and Simulation Centre, a unique training facility for researchers, students and clinicians.



MARCH

\$360,000 PANCREATIC CANCER GRANT WIN

The Pancreatic Research Group (PRG) headed by Professor Minoti Apte was successful in obtaining a \$360,000 grant from the Cancer Council NSW to support their ground-breaking work in pancreatic cancer.

Commencing in 2013 and to be rolled out over three years, the grant will support the group's pre-clinical studies which investigate methods to interrupt the relationship between stromal

and cancer cells – a combination which has been found to trigger the severe aggressiveness of the disease. The group is internationally recognised for their ground-breaking studies into the disease and were one of 21 research projects awarded a prestigious grant in the Cancer Council NSW for 2013. The PRG has received had some promising early results to indicate that interrupting a certain pathway reduces cancer growth and spread in an in vivo model of pancreatic cancer. It is anticipated that their findings will suggest a new treatment approach that may improve the outcome for patients.

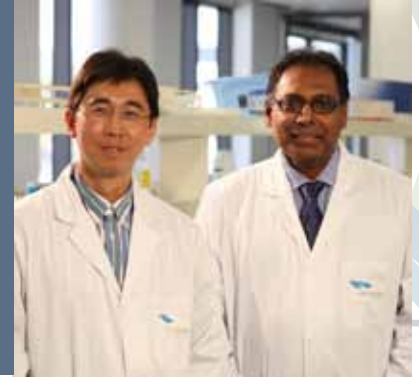


APRIL

HPV AND OESOPHAGEAL CANCER LINK DISCOVERY

Researchers from the Gastro-Intestinal Viral Oncology Group revealed a strong link between high-risk Human Papillomavirus (HPV) infection and Barrett's oesophagus/oesophageal cancer, according to a world first study published in the American Journal of Gastroenterology.

Headed by group leader, Professor Shan Rajendra, the study screened almost 500 biopsies of patients with Barrett's oesophagus, Barrett's dysplasia and oesophageal cancer and controls to detect the presence of HPV DNA and viral related cancer proteins. The results showed a very strong association between HPV and Barrett's dysplastic tissue and a glandular form of oesophageal cancer. Another key finding showed that viral cancer protein activity was detected more frequently with disease progression.



MAY

NEW LINKS BETWEEN TIC DISORDERS AND LEARNING DISABILITIES IDENTIFIED

The Infant, Child and Adolescent Mental Health Service (ICAMHS) led by UNSW Australia researcher Professor Valsa Eapen found new links between 'tics' and learning disabilities, according to study findings the group published in the Australian Journal of Special Education.

Tourette syndrome (TS) is a childhood onset neuropsychiatric disorder and one of a family of tic disorders. It is characterised by multiple motor tics and one or more phonic tics of more than one year duration and commonly presents in individuals between the ages of 2 and 21.

The results from the group's work have paved the way for further research to be conducted to validate if, aside from the tic disorder population, diagnosed sufferers of TS have different types of learning disabilities and patterns of comorbidity.



JUNE

OPENING OF CLINICAL SKILLS AND SIMULATION CENTRE

The Health Minister of Australia in power, the Hon Tanya Plibersek MP, officially opened the Institute's Clinical Skills & Simulation Centre, a new state-of-the-art medical training facility built on the grounds of Liverpool Hospital.

The Centre run by UNSW Australia, serves as an education hub for students and medical professionals in Sydney's South West to help them build successful careers in health and

medical research. The purpose-built training centre is the result of funding received from the Australian Government, Health Workforce Australia and UNSW Australia.

The Clinical Skills and Simulation Centre is focused on providing students, trainees and practitioners with a simulated learning environment and boasts some of the most high-level simulation equipment including a high-fidelity robotic patient mannequin 'SimMan' and two fully simulated operating theatres to enable 'mock' operations.



JULY

CHETRE'S MECSH PROGRAM LAUNCHES IN KOREA

CHETRE's Maternal Early Childhood Sustained Home Visiting (MECSH) program is a structured program of sustained nurse home visiting for families at risk of poorer maternal and child health and development outcomes. It was developed as an effective intervention for vulnerable and at-risk mothers living in areas of socio-economic disadvantage in Sydney's South West.

The program's launch into Korea is built off a successful launch in the UK in Essex and Plymouth in 2012. Further, the US Department of Health & Human Services' also gave MECSH their green tick affirming that the program meets the criteria established by the Department of Health and Human Services (DHHS) for an evidence-based early childhood home visiting service delivery model. This effectively positions the program as the international gold standard.



AUGUST

BREAKTHROUGH LINK BETWEEN CULTURAL DIVERSITY AND CANCER WINS AN AWARD

A new cancer research study conducted by the Clinical Cancer Registry has shown links between culturally diverse communities and the incidence and severity of cancer, prompting the need to improve education and services.

Awarded the Best Poster Prize at the Cancer Institute NSW's Cancer Innovation Conference in August 2013, the study was conducted at the Ingham Institute in collaboration with the SWSLHD and Liverpool Hospital.

Specifically, the research was carried out to describe the incidence of cancer for the Culturally and Linguistically Diverse (CALD) population in South Western Sydney. These are communities whose native language is not English.



SEPTEMBER

BRAIN INJURY LEADER, DR GRAHAME SIMPSON PRESENTS ON THE WORLD STAGE

Dr Grahame Simpson, leader of the Brain Injury Rehabilitation Research Group, had a busy month touring the globe sharing his findings with worldwide leaders and researchers.

For the month of September and October, Dr Simpson was invited to speak to an international and national conference. Kick-starting his trip was the Brain Injury Rehabilitation Trust Conference

2013 New Horizons In Brain Injury Rehabilitation: Research and Practice which was held in the UK over 25 -26 September. Dr Simpson was a plenary speaker and presented two papers, 'Assessment and Management of Suicide after Brain Injury' as well as 'Psychosexual Adjustment after Brain Injury'.

Dr Simpson also took to the stage in Australia at the Work First: Worth the Investment. 10th Australian Society of Rehabilitation Counselors (ASORC) National Conference held in Sydney over 24 -25 October.



OCTOBER

COLLABORATION LAUNCHES UNIQUE PSYCHOSOCIAL MODEL OF CARE FOR CANCER PATIENTS

Whilst the physical impacts of cancer are broadly researched, the psychological impact of the disease is an under-investigated area of cancer research that needs increased focus.

This prompted cancer researchers at the Ingham Institute and the University of Newcastle to develop a new patient-centred model that

involves the psychosocial assessment, care and treatment of cancer patients to help improve and treat their psychological health. The study, led by Ingham Institute Psychological-Oncology group leader and University of New South Wales Professor Afaf Girgis and Professor Brian Kelly from the University of Newcastle, aims to develop, implement and assess the feasibility, acceptability and cost of an integrated, patient-centred Psychosocial Assessment, Care and Treatment (PACT) model of care for patients with urological and head and neck cancers.



NOVEMBER

ARMEG LEADS ONE OF THE LARGEST GENOMIC STUDIES

The Antibiotic Resistance and Mobile Elements Group (ARMEG) driven by Professor Iain Gosbell and Dr Slade Jensen, in close collaboration with Associate Professor Sebastiaan van Hal (RPA Hospital), and supported by Dr Bjorn Espedido and Grace Micali are investigating clinical isolates of methicillin-resistant *Staphylococcus aureus* (MRSA), also known as “Golden Staph”.

Golden Staph is a type of bacterium commonly found in the nose or on the skin of healthy individuals that can cause a range of mild to life-threatening infections.

Antibiotic-resistant strains of Golden Staph emerged soon after the first antibiotics were introduced and have challenged hospitals worldwide ever since – prompting the need for research to understand how this superbug evolves.



DECEMBER

NEW CANCER RESEARCH STUDY USING CTC ACHIEVES MAJOR PUBLICATION

A major cancer research study published in the prestigious International Journal of Cancer confirmed the approach of the Institute's Circulating Tumour Cells (CTC) facility as an effective method for identifying cancer biomarkers, or indicators to characterise the individual cancer of a patient. The study also showed that the use of a CTC machine creates significant scope for personalised treatment

programs to be designed for a range of cancers. These important findings form the basis of the work Ingham Institute researchers can deliver to cancer patients.

CTCs are cells that have shed from a primary tumour and circulate in the bloodstream with CTCs acting like the seeds for subsequent growth of additional tumours (metastases). Use of a CTC machine can lead to a more personalised treatment process rather than applying a ‘one size fits all’ approach.





A large crowd of people is seated in a modern, dimly lit event space. The audience is diverse in age and appearance, and many are looking towards the front of the room. The lighting is low, with some highlights from the ceiling and background. The text "MAJOR EVENTS" is overlaid in the bottom right corner in a large, white, sans-serif font. In the foreground, a person's back is visible, and a name tag on a podium in the lower right corner reads "Prime Minister's Personal".

MAJOR EVENTS



RACE DAY

The Annual Race Day Charity Fundraiser Luncheon, organised by the combined Rotary Clubs of Liverpool, was held on 21 March at Warwick Farm Racecourse. Seven races featured, all kindly sponsored by local businesses and philanthropists.

Now in its second year running, the Race Day was hosted by the Liverpool Chamber of Commerce in partnership with Liverpool Rotary, Greenway Rotary, Liverpool West Rotary and Cabramatta Rotary. Together they raised more than \$16,000 which was pledged to the Ingham Institute.

A formal Dinner was organised by the respective Rotary organisations on 22 May for the Combined Services Clubs of Liverpool and was attended by approximately 110 guests including politicians and dignitaries at the Roma Reception Centre in Liverpool, where the donation to the Institute was presented.

Dr Slade Jensen, Co-Director of the ARMEG research group, delivered a presentation about his ground-breaking work in Methicillin-Resistant Staphylococcus Aureus (MRSA) or Golden Staph.

***The Annual Race Day
raised \$16,000 for
the Ingham Institute.***



CLINICAL SKILLS AND SIMULATION CENTRE OPENING

The Health Minister of Australia, the Hon. Tanya Plibersek MP, officially opened the Institute's Clinical Skills & Simulation Centre on 11 June 2013, a new state-of-the-art medical training facility at Liverpool Hospital.

The Centre acts as an education hub for students and medical professionals in Sydney's South West to help them build successful careers in health and medical research.

The Ingham Institute Clinical Skills & Simulation Centre is also one of the few facilities in Australia to give students and young trainees the opportunity to learn the tools of the trade in a fully equipped simulated operating theatre.



Completed in January 2013, the Ingham Institute Clinical Skills and Simulation Centre is focused on providing students, trainees and practitioners with a simulated learning environment and boasts some of the most high-level simulation equipment including a high-fidelity robotic patient mannequin 'SimMan' and two fully simulated operating theatres, to enable 'mock' operations. The facility is run by UNSW Australia a key partner of the project, along with University of Western Sydney and the South Western Sydney Local Health District (SWSLHD).



2013 NARELLAN ROTARY BALL

The Ingham Institute was honoured at the 2013 Narellan Rotary Club's annual 'Night to Remember' Charity Ball held on 9 August, receiving more than \$1 million in donations at the prestigious gala evening.

Mr Bob Ingham AO Founding and continuing Benefactor of the Institute and one of the biggest philanthropic supporters of medical research in Australia, pledged his donation of \$1 million to the Ingham Institute. Long-time supporter Lady (Mary) Fairfax AC, OBE also donated \$100,000 on the night.

The 2013 event marked the fifth consecutive year that the Ingham Institute has received donations from Bob Ingham AO and Lady (Mary) Fairfax AC, OBE at the hosted Narellan Rotary Club Ball event.



INGHAM INSTITUTE LUNCHEON

Celebrating International Women's Day 2014, the Ingham Institute hosted its inaugural Luncheon event on Friday March 7 at Harrington Grove Country Club. The event centred the microscope on the Ingham Institute's women's cancer research programs, while honouring top female researchers and scientists.



The Luncheon was attended by more than 200 of Ingham Institute's female supporters and scientists for a relaxed, informative and inspiring afternoon to raise funds for the Institute's critical research programs. Proudly supported by major sponsor Narellan Pools the Ingham Institute Luncheon was headlined with Channel 9 Today Show Co-Host and Ingham Institute Ambassador Lisa Wilkinson as Master of Ceremonies.

A key highlight of the Ingham Institute Luncheon was the premiere of the Institute's latest movie 'Research Is Hope'. The six minute movie told the incredibly moving and inspiring

stories of cancer survivors Sandra Page and Hanna Kmita and how medical research has given them greater hope and brighter futures.

Major sponsors of the Ingham Institute Luncheon included Dove partners Harrington Grove Country Club, Coutts Solicitors & Conveyancers, Absolutely Fabulous Event Decorations and Marsdens Law Group. Butterfly partners included In Fine Print, Cameron Brae, Karen Hexton, Grace Records Management, Sarita's Fashion, McGrath Real Estate, Kelly Partners Chartered Accountants and Fitzpatrick Group.



***The Ingham Institute's
inaugural Luncheon
raised \$44, 500***



HOPE PARTNER



DOVE PARTNER



BUTTERFLY PARTNER



The event and prize supporters were also instrumental to the success of the raffle and lucky draw prizes.

Special thanks to Diamond World Jewellers at Narellan for their generous donation of the major prize a nine carat two tone diamond bracelet with seven brilliant cut diamonds totalling one carat, valued at \$3,699





GOLF DAY

The Green Industries Group hosted its 2nd Charity Golf Day on 12 April at the Muirfield Golf Club in North Rocks, raising much needed funds for the Ingham Institute's cancer research programs.

The event is held in honour of the late Mike Skegg, former CEO of Nursery & Garden Industry NSW & ACT (NGINA) who lost his battle with the disease in 2012.

The dedicated Michael Skegg Memorial Trophy is Green Industries way of paying respect to a much loved garden industry enthusiast who dedicated many years to the greater Horticultural Industry.

A fun and successful day was had 'on the green' raising \$6000 for the Institute's cancer research programs.



***The Green Industries Group
Charity Golf Day
raised \$6000 dedicated
to the Institute's cancer
research programs.***



The event put the spotlight on leading research initiatives and medical breakthroughs across core research streams with more than 150 oral and poster presentations demonstrating the ground-breaking work of Ingham Institute researchers.

8TH ANNUAL RESEARCH & TEACHING SHOWCASE

The Hon. Jillian Skinner MP, NSW Minister for Health and Medical Research, officially opened the South Western Sydney Local Health District's (SWSLHD) and Ingham Institute 8th Annual Research and Teaching Showcase on 29 November at Liverpool Hospital.

The event showcased the abundance of Australian-leading research in Sydney's South West and headlined with the theme of Mental Health, a reflection of the disease's high impact and one of the leading disability causes in Australia.





The Ladies Movie Night signified a truly fun, entertaining and community spirited evening in aid of supporting health and medical research, raising \$8000 for the Ingham Institute.

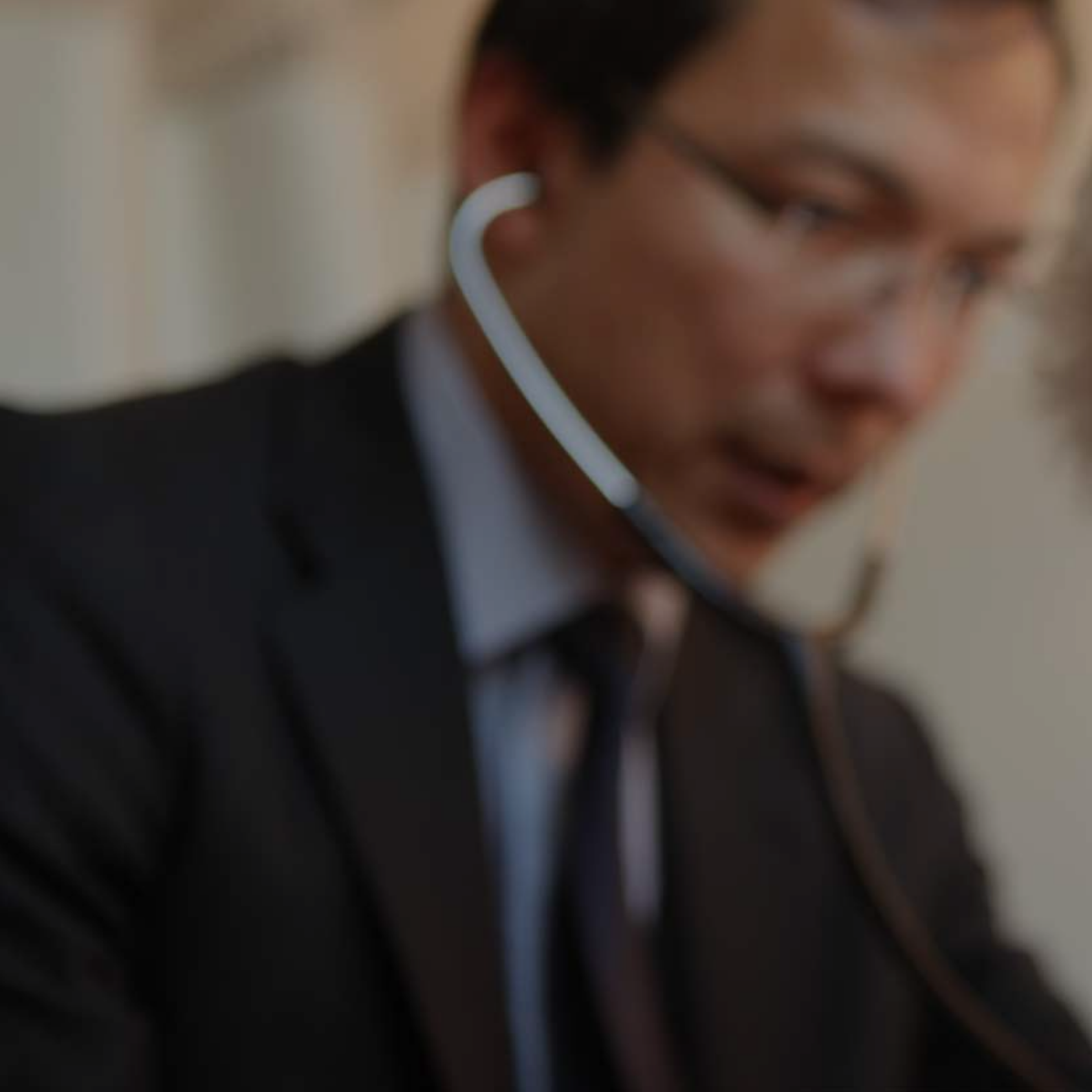
LADIES MOVIE NIGHT

For the first time in our social calendar of events, female supporters of the Ingham Institute were treated to an evening at the movies for an exclusive screening of Baz Luhrmann's spectacular 'The Great Gatsby'.

Fashion parades, raffles, and prizes for Best Dressed were some of the highlights of the 30 May event at United Cinemas, Narellan.









COMMUNITY PROGRAMS



PATHWAYS TO SUCCESS SCHOOL PROGRAM

Our Pathways to Success school program was launched in early 2013, a program aimed at local high school students in the South West to promoting medicine, nursing and medical research as possible career options and encouraging students to pursue higher education at university. This helps boost employment and the local economy to give them a brighter future.

To date, over five local schools have participated in the Pathways to Success program which has seen various students who wish to pursue a career in health, returning for work experience.

The Pathways to Success school program encompasses specialised talks and careers seminars with young researchers, medical professionals and nursing educators. It provides vocational assistance in the fields of medicine, research and nursing and one on one mentoring with some of Ingham Institute's top clinicians and medical research talent.

Participating Schools

- Bonnyrigg High School
- Hurlstone Agricultural High School
- James Meehan High School
- Liverpool Boys High School
- Liverpool Girls High School

COMMUNITY TOURS

Community Relationships Manager Tracey Roberts spent a good part of 2013 engaging with the local community to raise awareness of the Ingham Institute and highlight the important health and medical programs underway across the Institute's six streams of research.

South West Sydney represents one of the fastest growing populations in NSW. To date a large cross-section of government dignitaries, Rotary clubs and organisations have conducted site tours of the Institute's facilities to see the work of Ingham Institute researchers first-hand.

As it stands, almost all local Rotary Clubs have now visited the Ingham Institute with many some coming on board as proud supporters.



INGHAM INSTITUTE AMBASSADORS



LISA WILKINSON

Channel 9 Today Show Co-Host Lisa Wilkinson represents the Ingham Institute as an Ambassador. Best known for her role on the Today Show with fellow Co-Host Karl Stefanovic, Lisa's media career got off to an astonishing start when she was appointed editor of the national young women's magazine Dolly at just 21. This paved the way for Lisa to develop a stellar career in publishing, radio and TV media, while also managing her own magazine consultancy.

Born and raised in Campbelltown, Lisa partnered with the Ingham Institute due to her close affinity with the area and to help give back to the health of the South West. As part of her Ambassadorial duties, Lisa acted as the Master of Ceremonies at the Institute's official opening in October 2012 and the inaugural Ingham Institute Luncheon in 2014.



ROSS GREENWOOD

Channel 9 Today Show business and finance editor and co-host of the Sunday program, Ross Greenwood, also represents the Ingham Institute as an Ambassador. Before joining Channel 9 Ross was editor-in-chief of the weekly British magazine, Shares (1999-2003). He is one of the founders of Shares, and is still a shareholder. Ross was responsible for the creation of Shares magazine (1996), of which he was managing editor.

While in London, Ross was a regular commentator on BBC Television and Radio, CNN, Sky News and Bloomberg. In Australia, Ross was editor of Business Review Weekly (1997-1999), Personal Investor (1986-1997) and The Age's Money section. In television he was a presenter on Channel 10's Healthy Wealthy and Wise (1992-1997), and was the finance presenter for Good Morning Australia. He also hosted finance programs for ABC radio.



INAUGURAL INGHAM
INSTITUTE
AWARDS

The Ingham Institute held its inaugural Awards Dinner on Friday 6 December at the Liverpool Catholic Club with a series of prestigious awards presented to some of the Institute's top achieving researchers.

The first-ever event acknowledged and celebrated the stellar efforts of Ingham Institute researchers who have achieved some remarkable results resulting in major national and international awards.

In 2013, three major awards were presented on the evening including the Lady Mary Fairfax Distinguished Researcher Award, the Excellence in Teaching Award (sponsored by the South Western Sydney Local Health District – SWSLHD) and the Early Career Researcher (sponsored by Liverpool City Council), all of whom received \$5000.

The night served as a wonderful opportunity to put Ingham Institute researcher names in the spotlight and give them the recognition they deserve, as they continue to improve the health and wellbeing of all Australians.

LADY MARY FAIRFAX DISTINGUISHED RESEARCHER: PROFESSOR DERRICK SILOVE

Professor Derrick Silove, Director of the Psychiatry Research & Teaching Unit, was the proud recipient of the Lady Mary Fairfax Distinguished Researcher award for his lifelong contributions to the field of refugee and post-conflict mental health.

Professor Silove leads mental health research with refugee populations in Australia, and in post-conflict developing countries such as East Timor, Aceh-Indonesia, Papua and Vietnam and has achieved many awards throughout his 25 year career including the prestigious UNSW Dean's Award for Life-Time Achievements in 2010.

In addition, Professor Silove has had over 245 peer reviewed publications and has been awarded research grants approximating \$20 million.



Three major awards were presented on the evening, all of whom received \$5000

• The Lady Mary Fairfax Distinguished Researcher Award

**• Excellence in Teaching Award
(sponsored by the South Western Sydney Local Health District- SWSLHD)**

**• Early Career Researcher
(sponsored by Liverpool City Council)**



THREE MINUTE THESIS COMPETITION: MR MARK BUHAGIAR

A new component to the 2013 Research and Teaching Showcase was the Three Minute Thesis Competition, a skills development activity designed to challenge Research Higher Degree Students to explain their research project to a non-specialist audience in just three minutes with a single PowerPoint slide.

The winner of the Three Minute Thesis Competition was Mark Buhagiar, Physiotherapist at Braeside Hospital.



Mark rose to the challenge of depicting his research that investigated post-operative rehabilitation for total knee replacement in an entertaining way to a non-specialist audience and also picked up a \$500 cheque prize sponsored by the Rotary Club of Liverpool West.





EARLY CAREER RESEARCHER: DR AJESH GEORGE

Dr Ajesh George from the Centre for Applied Nursing Research (CANR) won the Early Career Researcher Award, proudly sponsored by the Liverpool City Council. Presented by Liverpool Mayor Ned Mannoun, Dr George's award applauds his outstanding efforts in leading the establishment Australia's first Midwifery Initiated Oral Health (MIOH) program to promote maternal oral health and improve the quality of life of at-risk pregnant mothers and infants.

The program has been hugely successful and was endorsed by the NSW Ministry for Health and, more recently, incorporated into Victoria's Dental Health Service Strategic Plan. Dr George has received 10 competitive funding grants as a Chief Investigator and has been published in 20 peer-reviewed journals.

He has also received various awards including the Australian Postgraduate Award Industry Scholarship, a SWSLHD Quality Award and a NSW Health Finalist Award during his tenure.



EXCELLENCE IN TEACHING: DR SLADE JENSEN

Sponsored by the SWSLHD, Dr Slade Jensen, Co-Director of the Antibiotic Resistance and Mobile Elements Group (ARMEG), was awarded the Excellence in Teaching Award.

In addition to leading the ARMEG team and one of the world's largest-ever genomic studies to help eradicate the superbug *Staphylococcus aureus* (MRSA) or Golden Staph, Dr Jensen is the Senior Lecturer in Microbiology and Infectious Diseases with the School of Medicine at the University of Western Sydney (UWS) and teaches undergraduate and postgraduate students at the University of Sydney and UWS.

Regarded as a passionate, dedicated educator and mentor, Dr Jensen supervises a Postdoctoral Fellow, four PhD students, an Honours student, a Masters student and two undergraduate students at the Ingham Institute.

Dr Jensen also recently achieved the significant accolade of being appointed to the Australian Society for Microbiology (ASM) NSW branch committee and will act as Program Chair for the ASM 2015 Annual Meeting, the most prestigious Microbiology conference in Australia.



A woman in a red top and grey vest stands behind a podium in a lecture hall, presenting to an audience. The podium features the Liverpool Hospital logo. To her left is a tall white banner with the 'Ingham Institute' logo repeated. The scene is overlaid with a semi-transparent blue filter. The text 'OUTSTANDING RESEARCH TALENT' is superimposed in large white letters on the right side of the image.

OUTSTANDING
RESEARCH
TALENT

Without a doubt, 2013 was the award-winning year for the Ingham Institute with so many researchers being recognised for their tremendous talents and achievements both here in Australia and internationally.

Whilst all of the talented Institute's researchers are winners, the researchers featured shone brightly as the Best Senior and Junior Researchers for each of the streams including: Cancer, Clinical Science, Population & Health Services, Health, Early Years & Childhood Health, Injury & Rehabilitation and Mental Health. These nominations were made from each respective stream leader.



BEST SENIOR RESEARCHER: PROFESSOR MINOTI APTE

Professor Apte is internationally acknowledged as a leading researcher in the field of pancreatic diseases, and is particularly recognised for her pioneering work in pancreatic fibrogenesis and stromal-tumour interactions in pancreatic cancer. She was the first in the world to develop a method to isolate and culture pancreatic stellate cells (PSCs), a technique which provided a much needed research tool for studying the pathogenesis of pancreatic fibrosis. For the past 15 years, the Pancreatic Research Group has been at the forefront of studies on the biology of pancreatic stellate cells and their critical roles in chronic pancreatitis and pancreatic cancer.

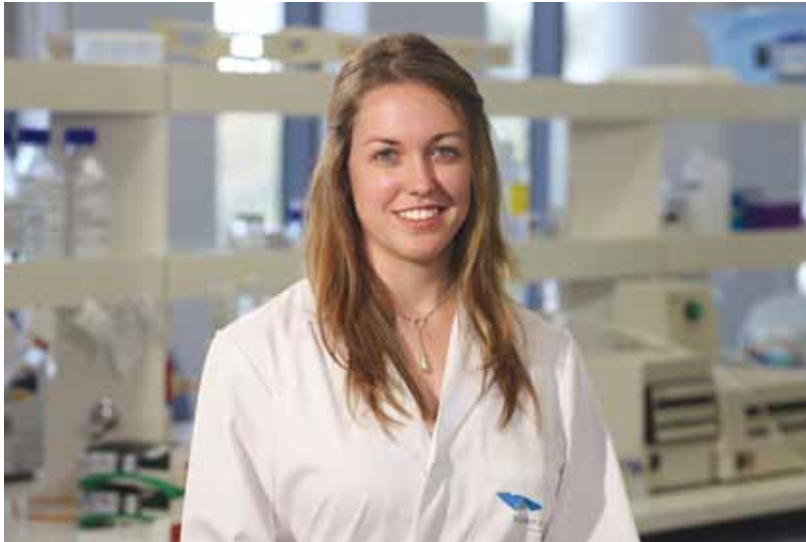
Professor Apte's publications have received over 3200 citations and she is regularly invited to speak at national and international scientific meetings. She has received several awards and honours in recognition of her work over the years, including being named the 2011 Comfort Memorial Visiting Professor of the Year by the Mayo Clinic, Rochester, USA, being awarded the prestigious Frank Brooks Memorial lectureship by the American Pancreatic Association in 2012 and the Distinguished Research Prize by the South Western Sydney Clinical School, UNSW in 2013.

Professor Apte plays an active role in research training through her supervision of PhD, Masters and Honours students. She is currently the editor-in-chief of *Pancreatology* and serves on the editorial Boards of several prominent gastroenterology journals.

She regularly reviews manuscripts for numerous biomedical journals and grant applications for major national and international granting bodies and has also served as a member of Grant Review Panels of the NHMRC of Australia and the Health Research Council of New Zealand.

Professor Apte is a founding member and Past President of the Australasian Pancreatic Club (established in 2002 to provide a forum for clinicians and scientists with research interests in pancreatic pathobiology), a founding member of the Asian Oceanic Pancreatic Association (an organisation committed to fostering research and education in the pancreas in the Asia-Oceanic region), a member of the Biological Subcommittee of the Australian Gastrointestinal Trials Group (AGITG) and the Research Committee of the Gastroenterological Society of Australia.

She has been a member and Deputy President of the Animal Care and Ethics Committee of UNSW. She has actively contributed her services to the University in her positions (2008-2011) as Presiding Member of the Faculty of Medicine, Chair of the Faculty Board, Chair of the Faculty Standing Committee, Chair of the Higher Degree Committee and member of the UNSW Academic Board and continues to serve as Postgraduate Research Coordinator for the South Western Sydney Clinical School of UNSW.



BEST JUNIOR RESEARCHER: AMY WALKER

Amy Walker completed her Medical Physics Bachelor's degree through the Centre for Medical Radiation Physics (CMRP) at the University of Wollongong with first class honours in 2011. She was awarded an Australian Postgraduate Award for continuing in her research and is on the way to completing her Doctor of Philosophy with CMRP.

Her thesis is investigating the impact that geometric distortions in Magnetic Resonance Imaging (MRI) may have on radiotherapy treatment planning accuracy and associated patient outcomes.

This work is particularly focused towards the impact for the treatment of breast cancer and will provide information on MRI distortion necessary for the Australian MRI-Linac program. Amy has been awarded the South Western Sydney Clinical School's top-up scholarship for the past 4 years (Honours and PhD).

In 2013 her first manuscript was accepted for publication in the Australasian Physical & Engineering Sciences in Medicine journal. 2013 also saw her work presented at a number of international meetings including the 2nd ESTRO forum and an oral presentation at the AAPM 55th Annual Meeting. Her work has been accepted for a number of presentations for 2014.

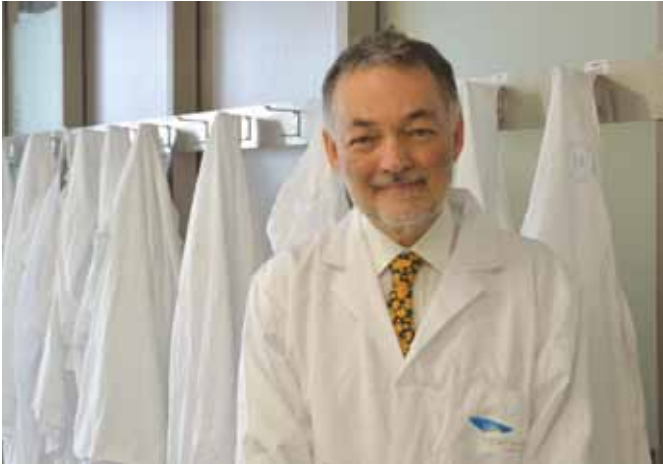
Amy aims to complete her PhD in 2015 after which time she hopes to find a clinical position as a radiation oncology medical physicist.



CANCER

The cancer research stream encompasses the efforts of 11 groups who are all working together to find a cure for the disease and improve the cure rates and reduce the side effects from treatment from this devastating disease which remains as Australia's biggest killer.

The focus of the Institute's cancer research programs is translational – which means results from the laboratory are transferred quickly and efficiently from the bench, to the bedside and right through to the community to improve public health.



BEST SENIOR RESEARCHER: PROFESSOR GUY MARKS

Professor Guy Marks is a respiratory physician and respiratory and environmental epidemiologist based at Liverpool Hospital, South Western Sydney Clinical School (SWSCS), UNSW Australia and at the Woolcock Institute in Sydney. After completing his PhD under the supervision of Professor Ann Woolcock in 1993, he undertook post-doctoral studies in respiratory epidemiology with Professor Peter Burney in London and then returned to work as a full-time respiratory physician at Liverpool Hospital in Sydney in 1994. He was Head of the Department of Respiratory Medicine at Liverpool from 1994 to 2007. He was appointed Conjoint Professor in 2007 and Professor of Respiratory Medicine at SWSCS UNSW in 2014. He has recently joined the faculty of the Ingham Institute.

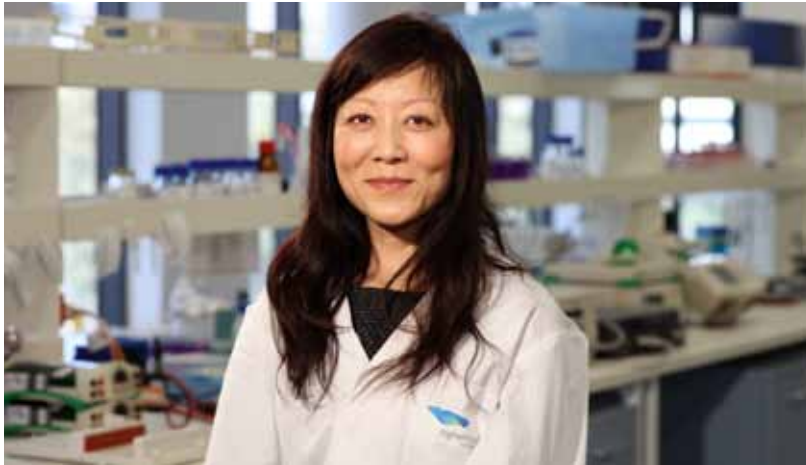
Professor Marks gained a post-doctoral fellowship from the University of Sydney in 1997 and an NHMRC Practitioner Fellowship in 2001. This was renewed in 2006 and again in 2011. In 2013 he was awarded a Senior Principal Research Fellowship by NHMRC. He received awards for the highest ranked Practitioner Fellowship application in 2011 and for the highest ranked Research Fellowship application in 2013. He also received the Research Medal of the Thoracic Society of Australia and New Zealand in 2010.

Professor Marks' research is in lung disease with a focus on asthma and COPD, tuberculosis and the health effects of air pollution. In addition to research he provides advice on policy through his role as Chair of the NSW Tuberculosis Advisory Committee and the NSW Chief Health Officer's Expert Panel on Air Pollution. He is Director of the Australian Centre for Airways disease Monitoring (ACAM, a collaborating unit of the Australian Institute of Health and Welfare). He is co-chair of the NHMRC Research Translation Faculty Steering Committee on Asthma. He also is Secretary-General of the International Union Against Tuberculosis and Lung Disease (a global NGO founded in 1920) and is the editor-in-chief (Lung Diseases) of the International Journal of Tuberculosis and Lung Disease.

Professor Marks' areas of research interest include: chronic respiratory disease (asthma and COPD), a common cause of ill-health, particularly among older people in Australia. Dr Marks' research in this field includes population-based studies designed to better understand the nature of this disease in the community and help to design improved ways of preventing and treating it.

Professor Marks' work on tuberculosis (TB) focuses on (a) developing and validating strategies for TB control in high burden countries; and (b) improving the effectiveness and efficiency of TB control in Australia. He is conducting two large randomised controlled trials in Vietnam: one involves screening for TB in the contacts of patients with active TB and the other involves community-wide screening. He is also involved in trials designed to find better ways of managing TB infection that will be relevant to both developing and developed countries.

Airborne environmental hazards, both natural and anthropogenic, are a source of considerable public anxiety. Climate change, transport, and infrastructure development all have impacts on the airborne environment and the current direction is generally deleterious. The public policy responses to these hazards have potentially serious economic and social consequences. Professor Marks' work involves synthesis of existing evidence on the health effects of these hazards, promoting further research to fill the current evidence gaps and assisting in the translation of evidence into environmental health policy.



BEST JUNIOR RESEARCHER: DR LEIA HEE

Dr Leia Hee is a research associate in the Cardiology Department at Liverpool Hospital and a conjoint lecturer appointed by UNSW Australia. After completing her Doctor of Philosophy at Sydney Medical School, University of Sydney in 2009, she then joined Liverpool Hospitals Cardiology research team.

In 2011, she was offered a prestigious Masters of Clinical Trials scholarship by the Ingham Institute and completed the first formal clinical trials postgraduate qualification in Australia with high distinction marks, the course was developed by NHMRC's Clinical Trials Centre affiliated to the Sydney Medical School in the University of Sydney. During these research years, she also mentored many students in the Department.

Over the last five years, she has authored 28 peer reviewed articles and conference abstracts, eight of them in 2013.

Three papers derived from her research were published in high-ranking international medical journals, with more papers in the progress of the review process. Dr Hee has a special interest in cardiology clinical trial research.

In the near future, Dr Hee hopes to use her expertise in clinical trials knowledge, particularly in design, conduct, analysis, project management and manuscript preparation, to get involved with more meta-clinical trials.



CLINICAL SCIENCE

The focus of the Clinical Science stream is evidence based studies to improve and eliminate the effects of diseases which have a high impact on patient mobility. Ingham Institute researchers are investigating the cause of chronic diseases such as arthritis, cardiovascular disease, lupus and immune-mediated diseases, looking for new and improved models of treatment.



BEST SENIOR RESEARCHER: PROFESSOR BIN JALALUDIN

Professor Jalaludin has an MBBS, MPH and PhD (Air Pollution Epidemiology) all from the University of Sydney. He also has a MRCP(UK) and FAFPHM. He spent the first 10 years of his professional life in clinical paediatrics in Sydney, Perth, the Kimberley and the UK. He is currently Director, Epidemiology, Healthy People and Place Unit, South Western Sydney Local Health (SWSLHD) District. He is a conjoint professor at the School of Public Health and Community Medicine, University of New South Wales, an honorary senior research fellow at the Woolcock Institute of Medical Research, the University of Sydney, and Research Leader, Population and Health Services Stream, Ingham Institute of Applied Medical Research.

He is on the Scientific Committee of the Australian Paediatric Surveillance Unit; the Scientific Advisory Committee of the Ingham Institute of Applied Medical Research; and deputy chair of the SWSLHD Human Research Ethics committee. He is also the co-convenor of the environmental health course in the MPH program at UNSW Australia.

Professor Jalaludin's main area of research endeavour is investigating the health effects of ambient air pollution and in air policy. He was the first in Australia to publish on the effects of air pollution on lung function and symptoms, birth outcomes and emergency department visits. The results have been used

in setting national air quality guidelines. More recently, a study of gas heaters in classrooms in NSW led to a revision of policies on classroom heating by the NSW Education Department.

He has also reported on the cost-benefits of air pollution for the NSW Department of Environment, Climate Change and Water for its air pollution abatement policies. Professor Jalaludin is also contributing to understanding air pollution effects and air policy through the International Collaboration on Air Pollution and Pregnancy Outcomes, the NSW Chief Health Officer's Air Pollution Expert Advisory Committee, and the Centre for Air quality and health Research and evaluation (an NHMRC Centre for Research Excellence) and through his collaborations in air pollution research with colleagues from Yale University and National Taiwan University.

Professor Jalaludin is currently the chair of the local organising committee the scientific conference of the International Society of Environmental Epidemiology to be held in Sydney in 2017.

Professor Jalaludin has also been involved in a number of World Health Organisation (WHO) activities around air pollution policy and capacity building. He has been a WHO consultant to evaluate environmental and health information systems and environmental risk factors for asthma in Malaysia and has conducted environmental epidemiology workshops in Malaysia and Hong Kong. Professor Jalaludin was a member of a WHO expert group on the assessment of health risks of air pollution and is currently a member of an expert panel convened by the WHO Western Pacific Regional Office to advise on air pollution control in Asia and the Pacific region.

Professor Jalaludin has over 170 publications in peer-reviewed scientific literature, primarily in the areas of air pollution, the built environment, communicable diseases and cancer. He has received research grants from the NHMRC, ARC and a number of government agencies. He currently supervises a number of PhD students and has reviewed grant application for the NHMRC, ARC and NSW EPA amongst others. He has reviewed manuscripts for numerous journals and is on the Editorial Board of Environmental Health.



BEST JUNIOR RESEARCHER: FIONA HAIGH

Fiona Haigh (MPH, LLB, BsocSci) is a research fellow at the Centre for Health Equity Training Research and Evaluation (CHETRE).

Fiona has been working in the field of Health Impact Assessment (HIA) since 2002 in Germany, the UK and since 2011 in Australia. Fiona has led or contributed to over 20 HIAs on policies, programs and projects at local, regional, national and international levels.

In 2013 Fiona was awarded a NHMRC Postgraduate Research Scholarship to carry out doctoral research investigating integrating a human rights framework into HIA. In 2013/14 Fiona has authored 8 publications, two as lead author, and presented her research at international forums including keynote speaker at the 2nd National Austrian Health Impact Assessment Conference.

She is also currently involved in an HIA of the proposed Trans-Pacific Partnership Trade Agreement. Fiona will complete her PhD in 2016 and is looking forward to developing practical applications from her research findings that can make a direct difference to people's lives.



POPULATION & HEALTH SERVICE

The Population and Health Services streams focus is multidisciplinary, evidence based research programs to advance public health policy and set benchmarks for improved health service delivery.

The focus for Ingham Institute researchers is on public health issues pertinent to the South West of Sydney and beyond. Currently the Institute's Population & Health Services researchers are involved in a number of initiatives which aim to address gaps in the health system and introduce new and better systems of delivery.



BEST SENIOR RESEARCHER: PROFESSOR VALSA EAPEN

Professor Valsa Eapen is known internationally for her research on neurodevelopmental disorders such as tourette syndrome and autism. In this regard Eapen is leading the “subtyping project” within the Cooperative Research Centre (CRC) on Living with autism spectrum disorder (ASD) (2013-2021) to determine homogeneous clinical and biological subgroups in ASD.

She has special expertise in translational research and her work has focussed on the prevalence and correlates of neurodevelopmental disorders in pre-school children, genetic and phenotypic characteristics as well as genetic and environmental contribution to the occurrence of child mental health problems.

Her extensive clinical exposure together with research experience brings substantial expertise in the interface between research and clinical applications and service delivery. Professor Eapen is a research partner for the Federal Government funded Child and Family Outcome Study that has established a national database covering the Autism Specific Early Learning and Care Centres in each of the six states in Australia, with the aim of ascertaining data from pre-school children attending early intervention services to build evidence base on clinical and biological predictors of treatment outcome.

She leads a NHMRC funded partnership project in collaboration with the NSW Department of Health, Kids and Families, South Western Sydney Local Health District (SWSLHD), La Trobe University and Sydney Children’s Hospital Network.

This is aimed at identifying barriers and enablers to developmental surveillance through a birth cohort of over 2000 children and following them up to evaluate the current universal developmental surveillance in NSW for early identification of developmental disorders.

Professor Eapen also leads a research program funded by the Australian Research Council linkage grant in collaboration with Karitane Services and SWSLHD examining the role of oxytocin in Separation Anxiety. This involves a large community based sample of mothers recruited during pregnancy for a longitudinal study examining the neurobiological underpinnings of separation anxiety and its unique contribution to maternal mental health, attachment and mother-child interactions and outcomes.

Eapen has over 150 publications in peer reviewed journals as well as five books, over 15 book chapters and over 100 conference abstracts. In the last three years she edited a book “Autism: A Neurodevelopmental Journey from Genes to Behaviour” (2011) and co-authored a book “Where There is No Child Psychiatrist” (2012; Royal College of Psychiatrists UK, Gaskell Publications).

In 2013, Professor Eapen published the world-first study evaluating the efficacy of the Early Start Denver Model (ESDM) for preschool children with ASD in improving their cognitive and behavioural symptoms using group based activities in a community child care setting in major medical journal BMC Paediatrics.

ASDs are developmental disabilities characterised by impairments in social interaction, verbal and non-verbal communication, and a restricted repertoire of activities and interests. At present, one in 100 children are estimated to suffer from an ASD, placing a significant burden on families, carers and the education system. Early intervention programs have the potential to affect key outcomes for children with ASD. The study involved 38 children with ASD receiving ESDM at the KU Children’s Services, (KU) Marcia Burgess Autism Specific Early Learning and Care Centre (ASELCC) in Liverpool NSW. Trained therapists delivered an average of 15 to 20 hours of group-based program and one hour of one-to-one ESDM intervention per week and were assessed at two time points, pre and post-intervention.



BEST JUNIOR RESEARCHER: PANKAJ GARG

Dr Pankaj Garg is a paediatrician with an interest in developmental-behavioural disorders. His research interests include understanding the delivery of child health surveillance (Well Child Care) activities in primary care.

He is enrolled into a Doctor of Philosophy (PhD) at UNSW Australia. His supervisors are A/Professor John Eastwood and Prof Siaw-Teng-Liaw from the General Practice Unit. He has recently published his findings from an exploratory survey with General Practitioners in NSW to understand the perceptions, relevance and educational needs for autism spectrum disorders (ASDs).



EARLY YEARS/ CHILDHOOD HEALTH

The Early Years and Childhood Health stream is a multi-disciplinary collaboration bringing together perinatal, paediatric and child health clinical and community health professionals to advance the understanding of early developmental origins of health and disease and to translate research outcomes into clinical practice.

This important work improves the prognosis and outcomes of children and the delivery of better health services to children and their families.



BEST SENIOR RESEARCHER: A/PROFESSOR GRAHAME SIMPSON

A/Professor Grahame Simpson is Senior Research Fellow at the Liverpool Brain Injury Rehabilitation Unit. He has a dual professional background in social work and counselling psychology. In 2013 he co-founded the Brain Injury Rehabilitation Research Group with his colleague Barbara Strettles, as part of the Injury and Rehabilitation stream at the Ingham Institute.

The group comprises a clinical research team and a health services research team with the corporate mission to ameliorate the impact of traumatic brain injury.

During 2013 A/Professor Simpson published an edited volume featuring state of the art reviews in mental health after traumatic brain injury, another six articles in peer review journals and four published abstracts. He also delivered invited plenary addresses at the Brain Injury Rehabilitation Trust bi-annual conference in the UK, the 10th Australian Society for Rehabilitation Counsellors national conference in Sydney and co-authored 11 other conference presentations.

Most recently, A/Professor Simpson was co-principal investigator on a \$1 million dollar grant from the Safety, Return to Work and Support division of the NSW government, which will trial two models of vocational rehabilitation for people seeking to return to work after traumatic brain injury at five sites across NSW.

A/Professor Simpson is also a principal investigator on new and upcoming research projects funded by the HCF Health and Medical Research Fund (led by the Whitlam Orthopaedic Research Centre), the NSW Lifetime Care and Support Authority and the Agency for Clinical Innovation.

He was appointed convenor to the National Research Committee of the Australian Association of Social Workers and won a prize, with members of his research group, for best research poster at the 2nd NSW Rural Health & Research Congress, organised by the Health Education and Training Institute, the Australian Rural Health Research Collaboration and NSW Health.





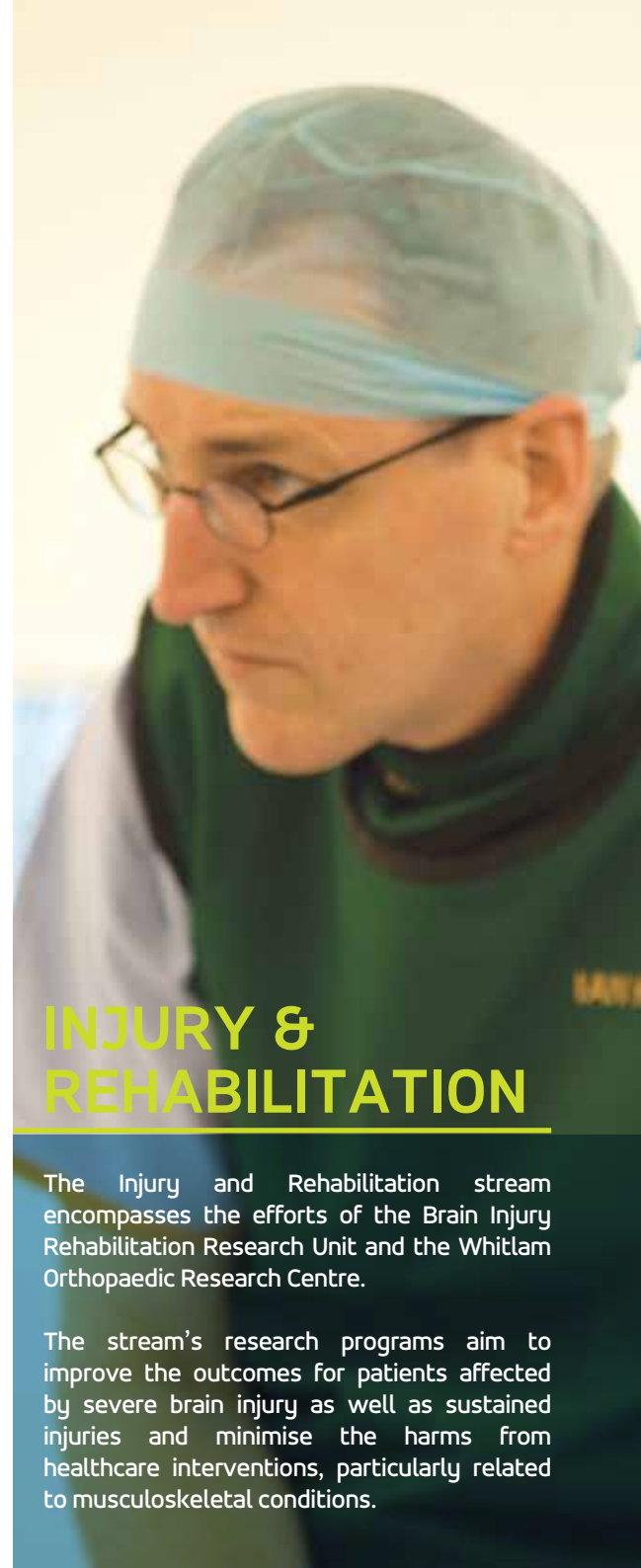
Best Junior Researcher: Dr Sam Adie

Dr Sam Adie is an advanced trainee in orthopaedic surgery with the Australian Orthopaedic Association and the Royal Australasian College of Surgeons. He has also recently completed his Doctor of Philosophy at UNSW Australia with a thesis titled “iQuEST: Investigating the Quality and Epidemiology of Surgical Trials”.

His thesis focuses on the different sources of bias that occur in trials and meta-analyses of surgical interventions. For his research, Dr Adie was awarded two prestigious scholarships from the Royal Australasian College of Surgeons (the Sir Roy McCaughey Research Fellowship) and the NHMRC (Medical Postgraduate Scholarship).

Over the last five years, he has authored 25 peer reviewed articles, five of them in 2013. The first two papers emerging from his doctoral thesis were published in the Annals of Surgery, the most influential surgical journal in the world, with more papers forthcoming.

In the near future, Dr Adie hopes to complete his training and establish a practice as an academic orthopaedic surgeon, with a particular interest in orthopaedic clinical trials and meta-analyses.



INJURY & REHABILITATION

The Injury and Rehabilitation stream encompasses the efforts of the Brain Injury Rehabilitation Research Unit and the Whitlam Orthopaedic Research Centre.

The stream’s research programs aim to improve the outcomes for patients affected by severe brain injury as well as sustained injuries and minimise the harms from healthcare interventions, particularly related to musculoskeletal conditions.



Best Senior Researcher: Dr Susan Rees

Dr Susan Rees is a mid-career level academic with the School of Psychiatry, UNSW Australia and the Ingham Institute. She has a public health and social science background. From 2009–2013 she was an Australian Research Council (ARC) QEII Research Fellow and most recently, is one of only three academics in the Faculty of Medicine to be awarded the prestigious UNSW Australia SPF03 continuous academic appointment which began in 2014. The program is aimed at promoting research across the Faculty. Her research focus is refugee mental health, gender, human rights and gender-based violence.

Dr Rees has 55 peer-reviewed publications, several in the highest ranking journals and many as first author, including the Journal of the American Medical Association (JAMA), the British Medical Journal (BMJ), The Lancet, Lancet Global Health and Social Science and Medicine. Her research has attracted invitations for commentary and perspectives by high-ranking academic journals such as the BMJ, Lancet, and Australian Medical Journal. Dr Rees is a peer reviewer for journals including JAMA, BMJ, BMC Psychiatry, Psychiatry Research, Journal of Child Psychology and Psychiatry, Social Science and Medicine. Dr Rees was also invited to become a Member scholar of the International Institute of Qualitative Research, Canada.

Dr Rees recent research studies involve a project concerning women and anger in Timor Leste undertaken in partnership with the women's organisation, the Alola Foundation (Plos One, 2013). She is currently the leading chief investigator on a project concerning women's mental health, pregnancy and child

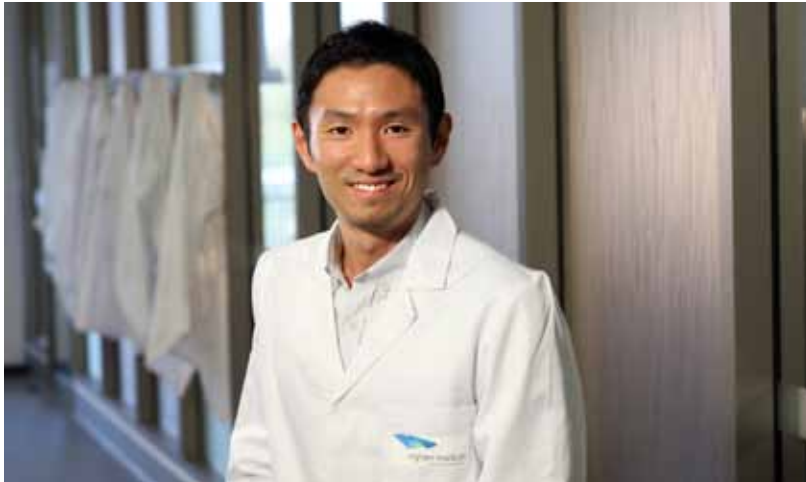
development in Timor-Leste, an Australian project concerning refugee women, intimate partner violence and mental health during pregnancy, as well as mental health projects with West Papuan refugees in Australia and Papua New Guinea.

In 2010 Dr Ree's and her team were awarded a certificate of recognition for their research with women and children in Timor-Leste by the First Lady, Kirsty Sword Gusmao. In 2012 she was awarded the Leslie Kiloh award for best postdoctoral publication in the UNSW School of Psychiatry for a research paper on gender-based violence and mental disorder published in JAMA. Dr Rees and her team recently won the Ingham Institute Best Poster Award 2014, an accolade she and her team have achieved three years in succession.

Dr Rees is a Chief Investigator on grants totalling \$2 million dollars, including from national and state governments. Dr Rees is an Associate Investigator on Program Grant of \$10 million commencing in 2015, focusing on trauma, including associated gender-based violence.

Dr Rees acted as a consultant review the draft publication of the Australian National Survey of Community Attitudes to Violence against Women led by Victoria Health and funded by the Department of Families, Housing, Community Services and Indigenous Affairs. She is also an invited training faculty member (gender and refugees) of the Karolinska Scientific Network for National and International Studies in the Field of Migration, Medicine and Psychology. After completing the Harvard Program in Refugee Trauma Master's Program she became an Alumnus of the Global Mental Health Certificate Program in 2006.

Dr Rees research with women refugees in the field of gender based violence is a key source of data that has informed practitioners, policy makers and community organisations. Her research is used as a key source in the Royal Australian College of General Practitioners Training Manual for GPs in managing domestic and family violence and her research on East Timorese women asylum seekers was published in the Global Detention Project on Australia's Detention Profile.



Best Junior Researcher: Alvin Kuowei Tay

Alvin is a PhD candidate at the South Western Sydney Clinical School (SWS) and Psychiatry Research and Teaching Unit (PRTU), Faculty of Medicine. He is also completing additional studies in epidemiology and medical statistics at the London School of Hygiene and Tropical Medicine (LSHTM). He is currently employed as a senior scientist at PRTU, Liverpool Hospital.

Prior to his appointment, he worked and continues to work, with numerous government and non-government organisations in providing comprehensive clinical assessments and evidence-based interventions for trauma and conflict survivors.

During this time, he developed a keen interest in psychiatric and psychometric epidemiology with a focus on post conflict and refugee mental health. This led to his commencement in PhD research awarded with a SWS Faculty Scholarship.

During his candidature, Alvin has worked extensively in field settings (namely Papua New Guinea) in which he developed and led a program of research examining the mental health and psychosocial adaptation of conflict-affected refugees. He has also completed training by the Harvard Program in Refugee Trauma (HPRT) and worked in the Department of Mental Health and Substance Abuse at the World Health Organization (WHO) in Geneva.

Recently, Alvin was awarded a UNSW travel award in recognition of his PhD work. His commitment to research is reflected in a growing track record with his papers being published in highly-regarded journals in the field.



MENTAL HEALTH

Addressing a growing national health concern, the Mental Health research stream is a world-leader in research inquiring into the causes, risk factors and adverse outcomes of mass trauma and persecution. Research projects focus on refugee and asylum-seeker populations in Australia and internationally, conflict-affected populations in countries such as Timor, Vietnam, Cambodia, the Solomon Islands and Indonesia.

The stream also covers research into a number of childhood disorders including tourette syndrome, attention deficit hyperactivity disorder (ADHD), autism spectrum disorder (ASD), anxiety and depression.



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SPECIAL THANKS



Throughout 2013/2014 there were many individuals, Rotary clubs, corporates and organisations who have generously supported the Ingham Institute and contributed to the Institute's progression and growth. We would like to thank the following people for their tremendous support:

FOUNDING BENEFACTORS

- Mr Bob Ingham (AO) and his family:
- John Ingham
- Robby Ingham
- Lyn Ingham
- Debbie Kepitis

MAJOR SUPPORTER

- Lady (Mary) Fairfax (AC,OBE)

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- Vicki Tresize
- Zenelyn Estrada

VOLUNTEER

- Leanne McNamara





HOW YOU CAN HELP...

Like everything, a medical research facility cannot operate and achieve breakthroughs without support and funds and we need public donations to continue our important work and drive the Institute forward.

We need the community's help to spread the word and bolster public support so that we continue to make a difference in the community. We need people to tell their friends and colleagues about the great work that the Ingham Institute is doing so that we can continue to create health outcomes for the South West and the wider Australian public.

Donations can be made via the Ingham Institute's website www.inghaminstitute.org.au or by phoning 02 8738 9000.

You can also help by becoming a distribution outlet for the Ingham Institute's bi-monthly Newsletter, a high-quality publication that contains our latest news and research achievements.



Businesses and individuals can also participate in a variety of sponsorship and partnership programs, including:

CLINICAL TRIALS

Clinical trials are going to be a big focus for the Institute, with the trials to the develop new treatments for key disease areas impacting the community, including cancer. Corporates and individuals can help by sponsoring these trials and having their name aligned with the creation of new breakthrough treatments and potential cures.

SCHOLARSHIPS AND FELLOWSHIPS

Our next generation are the lifeblood of medical research, and the Ingham Institute has a strong commitment to foster the development of young medical researchers coming up the ranks to encourage the broader thinking and new insights that are needed to support research.

Individuals and corporates can help Australia's next generation of medical research talent by supporting Scholarships and Fellowships for students to help them grow and establish successful careers at the Ingham Institute.

FUNDRAISE FOR THE INGHAM INSTITUTE

There are many different and fun ways you can fundraise for the Ingham Institute to help us make Australia a healthier place. We encourage individuals, community groups, organisations and companies to support the Ingham Institute's vital research by hosting external events or activities to raise funds for our medical research programs. The event can take the form of any shape, from a movie night to a fashion parade or a simple BBQ. The only limitation is your imagination.





IN MEMORY

In honour of losing a loved one who has passed, you can request mourners to make a gift to the Ingham Institute in their memory.

In lieu of flowers, mourners can commemorate the absence of a loved one by making a donation to a worthwhile cause.

Your gift to the Ingham Institute will improve the health and wellbeing of all Australians by creating hope through our medical research programs and make Australia a happy and healthier place.

VOLUNTEERING

At the Ingham Institute we also recognise an individual's time as a way of 'giving back' and have a host of volunteering opportunities to help our busy team manage big events, administration and the day to day running of the Institute.

By donating your valuable time to the Institute you will be safe in the knowledge that your help will go a long way to help us achieve our mission of improving Australia's health and wellbeing.



CORPORATE ENGAGEMENT

The Ingham Institute welcomes the support of the business community, whether you're a small or large business entity. At the Ingham Institute we understand the importance of engaging with the business community. To facilitate and maintain our world class research centre, support from the corporate community is vital.

We strive to create a mutually beneficial relationship for all of our corporate partners. In fact, we regard them as much more than partners, we see them as our friends. As a result of partnering with the Ingham Institute, you will become a friend of the Institute. Further, each and every friend is widely recognised through a number of marketing, branding and media opportunities.





IN CELEBRATION

Add distinctive meaning to your special occasion by asking guests to donate to the Ingham Institute in place of giving gifts. This donation is a great idea for Christmas, Weddings, Mother's Day, Father's Day and birthdays, where together you can honour someone special in your life who has been affected by cancer, disease or injury.

INCLUDE US IN YOUR WILL

A gift in your Will is a great way to support the Ingham Institute to conduct medical research into critical disease areas which will improve the health and wellbeing of all Australians.

There are different types of ways in which you can elect the Ingham Institute in your Will and these include:

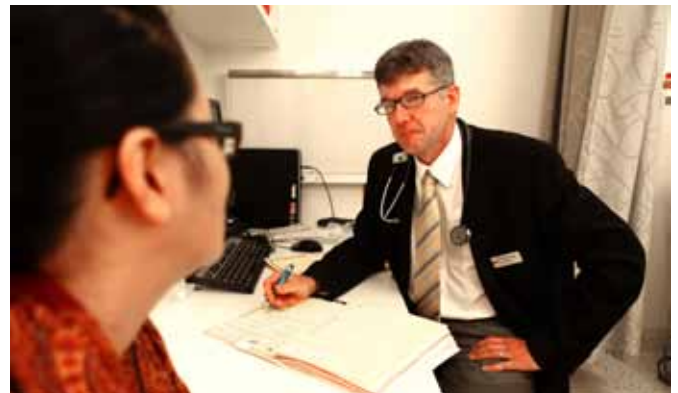
- **Residuary Bequest:** a percentage of your estate.
- **Pecuniary Bequest:** a specific monetary amount.
- **Specific Bequest:** specific item of value such as car, jewellery or artwork.



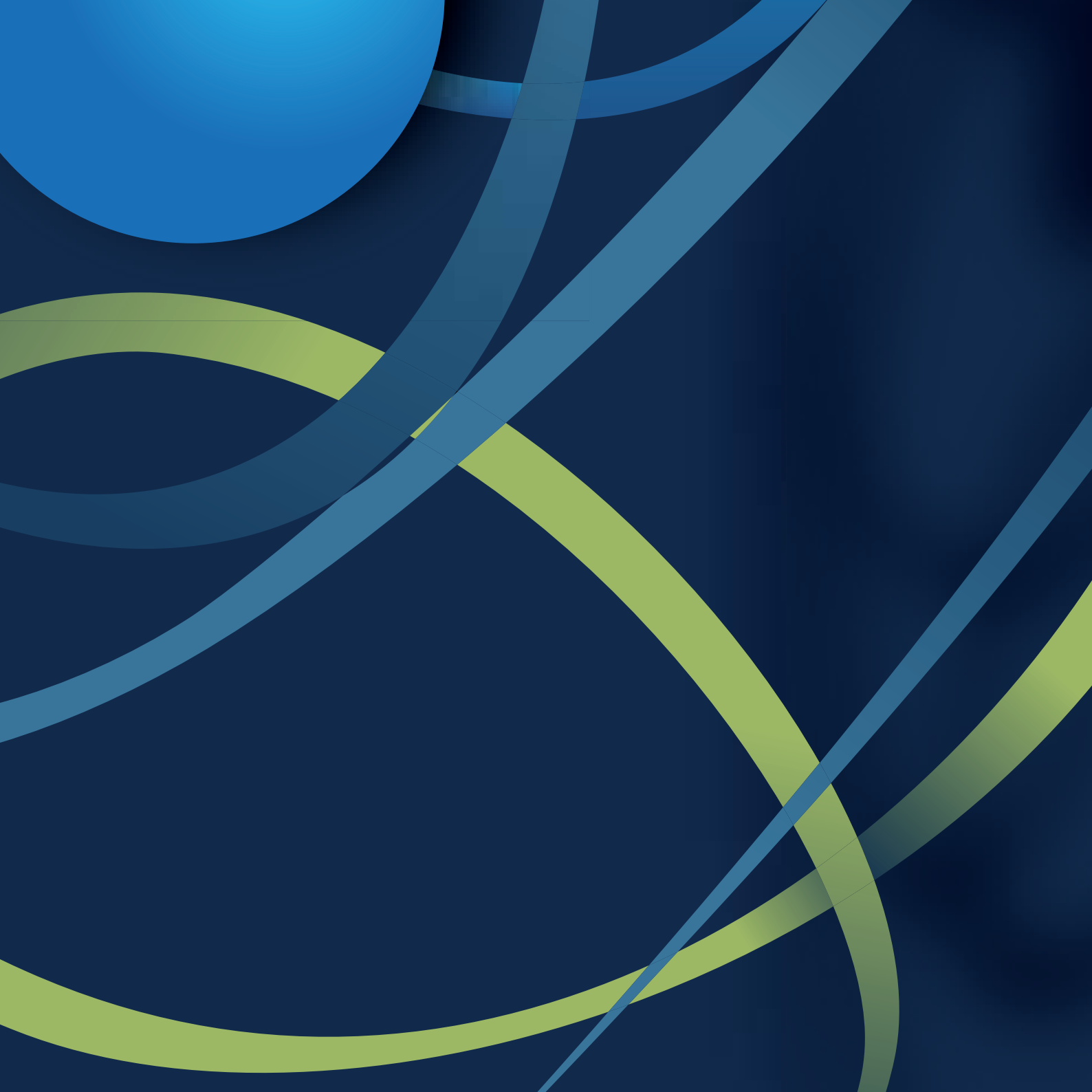
WORKPLACE GIVING

Your donation will change and improve the lives of so many people living with and affected with disease while you go about your daily work. Deductions are made through your payroll account so it is probably likely you won't notice the difference to your pay, but with your ongoing support through the Workplace Giving, together we can improve the health and wellbeing of all Australians.

For further information about the various ways that you or your business can partner with the Ingham Institute and help us in our mission to create hope through health research for all Australians contact Tracey Roberts the Ingham Institute's Community Relationship Manager on 02 8738 9000 or tracey.roberts@inghaminstitute.org.au







inghaminstitute.org.au

