

2010 Annual Report

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Statement of Compliance

The Hon. Dr Elizabeth Constable (MLA)
Minister for Education
19th Floor, Governor Stirling Tower,
197 St Georges Terrace,
PERTH WA 6000

9 March 2011

Dear Minister,

In accordance with Section 63 of the Financial Management Act 2006,
we hereby submit for your information and presentation to Parliament the Annual
Report of Murdoch University for the financial year ended 31 December 2010.

The Annual Report has been prepared in accordance with the provisions of
the Financial Management Act 2006.

Yours sincerely



T C Budge
Chancellor



J V Yovich, AM
Vice Chancellor

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Murdoch University

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Our vision

Murdoch University will be an innovative and enterprising university leading discovery for a better future.

Our purpose and intent

Murdoch University will continue to be a comprehensive research-focused University, with high levels of scholarship informing quality teaching. Through demonstration of leadership in innovation and excellence, Murdoch will develop their students to be their best; their staff to achieve their potential; and contribute to a knowledge society where Australia's economic and cultural vitality are central. Achievement of this intent will be sustained by:

- Ensuring students can study flexible courses by flexible means in a supportive and engaging learning environment.
- Developing graduates with skills and attributes that will enable them to participate successfully and effectively in society.
- Focusing research endeavour into strategic research themes that provide for future strength and emphasis.
- Enhancing Murdoch's culture of innovation.
- Continuing to build the quality and reputation of the University.

Our values

Murdoch's values are an intrinsic part of the University culture. These values give a sense of identity and a continuing context for all our activities.

- Equity and Social Justice.
- Sustainability.
- Global Responsibility.
- Innovation and Entrepreneurship.

Murdoch University

Murdoch has long been recognised for its high quality, student-centred teaching and its multidisciplinary/multi competency approach to course offerings. These teaching and learning strengths are distinctive to Murdoch, and we will further develop capability and investment in these areas. This is what defines and distinguishes us and is also a key point of differentiation in an increasingly competitive sector.

As a research focused university, Murdoch will build on areas of research strength to ensure that future investment, activity and outcomes are directed to these areas as a priority. Research training will continue to be integral to the research effort at Murdoch University.

An improved culture of innovation has been identified as an area for development, to encourage creativity, new ideas and "free thinking". This culture is fundamental to Murdoch's values and identity. Resources will be allocated to develop a framework to support innovation and to provide the opportunity and environment for engagement of the University community in this key initiative.

Murdoch's staff are integral to its future success. The University is committed to investing in its people, and ensuring the staff profile supports the academic footprint, in both teaching and learning and research. Ensuring that its students can study flexibly and in a supportive and engaging learning environment is a cornerstone of activity.

Murdoch will build its strategic investment capacity through further development of commercial revenue streams and philanthropic activities. In addition, the University's investment portfolio will be actively managed to improve returns that will be available for re-investment into core University activities.

Efficiency and effectiveness of resources will continue to be an important enabler to teaching and learning and research outcomes for Murdoch.

By implementing and achieving the plans and outcomes outlined above, and the activities embodied in this strategic plan, Murdoch University will be able to consolidate its intent to remain an internationalised research-focused University, with high levels of scholarship informing quality teaching.



Chancellor's Report

Murdoch University will be an innovative and enterprising University leading discovery for a better future.

This vision, embodied in the new Strategic Plan approved by Senate in March 2010, will guide Murdoch University through the next five years.

This coincides with the implementation of the Commonwealth Government's 'Transforming Higher Education' policy framework which aspires to see significant growth in the number of students at university, especially those from a low socioeconomic status background.

During 2010 Western Australia began to feel the full impact of the resource-based economic recovery which reduced unemployment and, in turn, tended to drive down the study aspirations of students. The challenge for universities in Western Australia is to align their academic profile to meet the Commonwealth Government's aspirations and the emerging workforce development needs of Western Australia.

Murdoch undertook a major strategic review of its operations during 2009 and 2010 that involved significant work to improve systems and provide better data management and analysis. This included a review of the University's academic enterprise focused on balancing student demand with quality and efficient delivery in course offerings as well as strategically refined research.

The outcomes of the review will see the University refocus some of its courses profile while maintaining the interdisciplinary nature and structural flexibility in our course offerings. Our research endeavour will encompass the strategic themes of strength that will be further refined taking into account the outcomes of the first Excellence in Research for Australia (ERA) exercise. The University will also capture the savings from reductions in non-teaching activities resulting from a more focused academic enterprise.

An external review of the Murdoch senior management structure was undertaken in 2010 and consequential improvements were made to create a management model that more closely aligns with the academic and commercial priorities of the University.

Senate has highlighted that income growth and diversity are essential to the success of the University and that they play a key role in setting the policy directions for the building of our capacity for strategic investment for the future. Development of the eastern precinct of the South Street campus is seen as an important component in the expansion of non government sources of income going forward.

The University also undertook a review of the Senate Governance Framework in 2010 with the broad aim of building on the current governance framework to ensure structures and processes that will serve the University well for the future.

The review was run under the auspices of the Senate's Governance and Nominations Committee and recommendations broadly covered membership, committee structures and reporting and strategic information processes. Many of the recommendations have been implemented and Senate looks forward in 2011 to dealing with the remaining matters.

Murdoch has had another good year across a range of indicators with continuing growth in student enrolments, significant capital works, and strong research income. This reflects not only the strategic direction provided by Senate and its effective implementation by senior management but also the extraordinary level of commitment to Murdoch University from its community of staff, students and alumni.

In October, the University's Vice Chancellor, Professor John Yovich, AM announced his intention to retire from Murdoch in early 2011. Professor Yovich has served the University for more than 22 years in many roles including over eight years as Vice Chancellor. On behalf of the University I express my thanks to the immense contribution Professor Yovich has made to Murdoch.

The University will undertake a formal process to appoint a new Vice Chancellor in 2011 to succeed Professor Yovich. In the interim Professor Gary Martin has been appointed to the role.

Terry Budge
Chancellor



Vice
Chancellor's
Report

Murdoch University continues to stand out as a high teaching quality, research focused institution that is building for the future on its historical strengths.

Murdoch University has achieved much in 2010 in what has been a busy year for research-led Universities with many external changes such as continuing Government reform to changes in the dynamics around international student recruitment.

I'm proud to say that Murdoch has successfully met those challenges and achieved much in 2010. Murdoch University will finish the year with record student enrolments and a healthy financial surplus.

For more than 30 years Murdoch has welcomed a broad spectrum of students that includes those with near perfect ATAR scores but also many students who are the first in their family to attend university, who come from a low socio-economic status background, or are educationally disadvantaged. In light of a renewed focus on increasing university participation by both the Commonwealth Government and businesses seeking skilled workers, our longstanding commitment to being a socially responsible, sustainable institution is more relevant than ever before.

The new Strategic Plan will see the blossoming of our well-earned reputation in renewable energies, sustainability and environmental science to lead Australia into a carbon-constrained economy. Embedded in our teaching, research and engagement with business and the community, our approach to renewable energy is unique in Australia because it covers the social, economic and environmental dimensions as well as the technical aspects. Importantly, that commitment is being put into practice on campus through projects such as the installation of solar energy panels on the library roof, new recycling bins across campus and the development of greener buildings and infrastructure.

Researchers at Murdoch continue to have considerable success in attracting funding from a variety of sources. Key elements of research infrastructure were also announced or completed in 2010. The State Government will invest \$30 million over three years to jointly develop the Australian Export Grain Innovation Centre with Murdoch University. This Centre will bring together scientists, policy makers, industry groups and commercial partners in an holistic endeavour to improve grain quality, biosecurity and productivity.

The installation of a new supercomputer, the largest in Western Australia and ranked 87th in the world, in the Centre for Comparative Genomics will facilitate research in computationally demanding areas such as radioastronomy, nanoscience, geoscience and the agricultural and life sciences.

The strategic development of transnational programs has underpinned a steady growth in offshore student numbers and income. In Singapore we have strengthened our partnership with Kaplan Education Pty Ltd to offer the most extensive range of Murdoch courses available in South-East Asia. Students are able to choose among 26 programmes from areas as diverse as communication, education, commerce and psychology. Murdoch Dubai saw a 170 per cent growth in student numbers this year. Enrolment growth has allowed the University to generate significant income that supports those Schools involved but also provides unencumbered funding available for strategic programs.

Murdoch also entered the executive education market in 2010, offering fee for service non-accredited short courses to middle and senior management in the corporate, not-for-profit and government sectors. Murdoch University is working with the WA Chamber of Commerce and Industry to deliver a collaborative approach to the development and delivery of leadership and management development programs.

Murdoch has long understood that such change will best be achieved through engaging with and valuing the wider Murdoch community. This approach saw the establishment of the Murdoch University Foundation and Banksia Association to continue to build on our relationships with our staff, students, alumni and community and to grow the University's endowment—a critical component in helping secure Murdoch's future financial independence.

The Murdoch University Foundation's campaigns raised a total of \$6,956,740, including \$5,130,000 through the Genesiis campaign for establishing the Institute for Immunology and Infectious Diseases.

On behalf of Senate and the senior management of the University, I thank our staff and students for their contributions to the University's outstanding achievements in 2010.

Professor John Yovich AM

Vice Chancellor





Year in Review

At a Glance

Creative energy drives Murdoch University. Creative energy directed at producing innovative, world-leading research and researchers; at challenging our students – through excellence in teaching – to dream, discover, achieve their potential; at productively engaging with all our communities: local, national and international.

Murdoch's creative energy has both an outward and an inward focus. Our outward focus is on the big picture, on understanding, researching and creating solutions to real-world needs in areas such as sustainability, health, global responsibility and social justice.

Our inward focus is on our students. On ensuring their education is of the highest quality, on engendering a passion for learning and the opportunities it opens up, on sending them into the world as dreamers, discoverers and doers.

Our student focus carries with it a strong sense of equity, providing an inclusive and supportive environment to students from a wide socioeconomic and cultural background. We aim to develop student skills and attributes that ensure our graduates make meaningful contributions in their fields wherever in the world they choose to use them.

In 2010, we applied the same creative energy with considerable success to our vision of being *an innovative and enterprising university leading discovery for a better future*. Our growing local and international reputation again resulted in record enrolments. Almost 19,000 students enrolled, exceeding last year's figures by 2.9 per cent. These students attend our three Western Australian campuses and our international centres in Singapore, Malaysia and the United Arab Emirates.

An impressive research income of \$37 million was attained this year. Highlights included Grains Research and Development Corporation competitive funding in excess of \$2.5 million, strong results in Australian Research Council schemes and three National Health and Medical Research Council grants. In an exciting development, the WA State Government announced an investment of \$30 million over three years to jointly develop the Australian Export Grain Innovation Centre with Murdoch.

The excellence of our Asia Research Centre's work was recognised nationally with the School of Social Sciences and Humanities receiving its fifth prestigious ARC Fellowship in three years.

Our research achievements are increasingly making a difference, with commercialisation of Murdoch research outcomes underway in areas as disparate as grain production and animal and human health.

Much was achieved in 2010 towards fulfilling our commitment to equity and social justice and to enhancing the Murdoch experience for our on-campus international students.

More than \$600,000 was awarded through Senate and Vice Chancellor's Scholarships to assist students with expenses involved in commencing university. Aimed at improving access to university education, Murdoch partnered with Challenger Institute of Technology to develop three applied degrees which enable graduates of related Challenger diplomas to directly enter the second year of Murdoch degrees.

In an Australian first, Murdoch introduced a non-stop personal support hotline for international students, extending the University's level of care to 24 hours a day, seven days a week.

Murdoch's reputation as an excellent communicator was reinforced with the rollout of our 2010 brand campaign focused on changing the world by bringing free thinkers together and letting them discover. A finalist in the Campaign Brief Awards' TV Campaign of the Year, the brand campaign also won bronze in the Integrated Marketing category at the Perth Advertising and Design Club awards. For the third consecutive year, Murdoch was acknowledged in the WA AMI awards, winning four categories and being named a finalist in a fifth.

The University's campuses are dynamic spaces and in 2010 several new buildings were completed on the South Street campus. These included the \$9 million veterinary surgery teaching building, the \$7.5 million building for Murdoch Business School and the Murdoch Institute of Technology, Stages 8 and 9 (61 units) and the 17 Concerto Apartments in the St Ives Retirement Village, and a \$3 million chiller plant. Conscious of its environmental footprint, the University's new buildings incorporate state-of-the-art sustainability features.

As a committed community partner, Murdoch was a major sponsor of four Sunset Events festivals – the Southbound Music Festival, West Coast Blues 'n' Roots Festival, Groovin' the Moo Music Festival and One Movement for Music Festival. The events attracted more than 67,000 people.



Teaching and Learning

Teaching and Learning

Record domestic student enrolments were again achieved in 2010. Murdoch University handled its largest ever volume of applications in 2010 with procedural changes streamlining online applications and assisting in the retention of deferred students.

Providing a positive start to uni life

Helping students to engage with the University during their first year has been a major focus at Murdoch in 2010. A group of First Year Advisors has been employed to promote a smoother and less daunting transition year. These advisors will manage the 'At Risk' program, contacting students who have shown signs they are in danger of falling behind or disengaging with their studies.

More than \$450,000 was awarded as part of Senate Scholarships with a further \$150,000 as part of the Vice Chancellor's First Year Scholarships, aimed at assisting students overcome some of the financial hurdles faced when commencing university study.

Newly designed and structured foundation units were introduced during the year, along with extra Unit Coordinator support, tutor recruitment and training. Retention strategies included student outreach, workshops in non-teaching weeks for students requiring extra assistance and the development and implementation of diagnostic assessments. The introduction of a mandatory Indigenous aspect to each foundation unit has provided an avenue to bring some Indigenous understanding to the wider student community.

Access, participation and retention

As part of the University's response to the Federal Government's aim to fill 20 per cent of domestic undergraduate enrolments with students from low socio-economic backgrounds by 2020, Murdoch has continued to advance strategies that both seek to raise the aspirations of high school students and to provide alternative and non-traditional entry pathways for students.

These included:

- The Discover your Potential Scholarship Fund, established this year, which offers Year 12 students from the Rockingham and Kwinana area a \$2500 scholarship for each year of an undergraduate degree. The scholarship program was established by the Murdoch University Foundation and the Rockingham Education Development Group in memory of Gary Holland, Past Chief Executive Officer of the City of Rockingham.
- The Murdoch Entry Award Scheme, which allows high schools to nominate students who they believe have the potential to succeed at university but would not have otherwise qualified, has also been expanded to improve opportunities in the South-West region.
- The PX2 program, piloted with Rockingham Senior High School in late 2009, where participants learn about practical, down-to-earth concepts and tools relating to goal setting, accountability, communication, problem solving, self-efficacy, self-esteem, affirmations and motivation. The program is being restructured to scaffold aspiration building from Years 8 through to 12.

Supporting students

There are currently 1,153 students with a disability at Murdoch, making up 6.4 per cent of the student population who are active users of Murdoch's support services. Improvement to services in 2010 included:

- upgrades to the interactive EQAL database tool, which enables students to access learning supports.
- further articulation of the Pre-Orientation Program (POP) into pre-Second Semester, which ensures new students are introduced to support personnel, equipment, assistive technologies and software such as EQAL, prior to commencing study.
- revised maps of all Murdoch's campuses to improve physical access awareness.

Kulbardi Aboriginal Centre made considerable progress towards meeting Murdoch's values of Equity and Social Justice in 2010. Highlights for the year included record enrolments for the Kulbardi Aboriginal Tertiary Entrance Course and an increase of students accessing Federal Government-funded Indigenous Commonwealth Scholarships.

An elite athlete student scholarship fund was established in 2010 to assist students facing significant competition costs and to ensure studying and competing remains in balance. The first recipient was Sports Science student Eloise Cane whose scholarship enabled her to compete at the World Championships in aerobic gymnastics.

In 2010 there were 4,374 students from as far away as Africa and Russia who took advantage of external studies, with 9,277 enrolments in external units. For the first time, external students could submit assignments online through the Learning Management System, reducing turnaround time on marking and improving assessment tracking.





Enhancing teaching

Student and staff surveys in 2010 revealed that 86 per cent of students who completed a feedback survey agreed or strongly agreed that they were satisfied with the quality of the unit they were completing. Murdoch continued to score above state and national averages in good teaching and overall satisfaction in the Course Experience Questionnaire and the University maintained its four-star rating for teaching quality, generic skills, graduate satisfaction and graduate employment in the Good Universities Guide.

The University is trialling a range of different types of educational technology to improve course delivery for students, including e-portfolios, smart boards, audience response systems, iPads and video capture for lecture recording.

Various international activities were offered to provide a broad educational experience to students and to engage them with international communities. Opportunities included law placements in Switzerland, Italy and Hong Kong, business study tours of Spain, Italy and Croatia, nursing in Tanzania and journalism students having the chance to report on world environment news in Canada and report back on the riots in Greece.

Providing vital resources

Loans from both the Murdoch library collection and via the resource sharing scheme show a combined increase in use of printed books. The decreasing number of information literacy sessions is balanced by an increase in attendances and by the increasing online support material prepared by librarians. Virtual and physical library visits increased by 8.5 per cent and 4.7 per cent respectively in 2010. In 2010 library services and offerings were considerably improved and expanded including:

- an institutional open access research repository providing free internet access to Murdoch University research. By September, material had been accessed and downloaded over 70,000 times, with Google Analytics showing the material was accessed globally.
- a new discovery service with a single search box on the Library's homepage providing results from its catalogue, its 44,700 online journal articles, 340,000 e-books and the research repository.
- the Library migrated its website to the University's Content Management System, which provided the opportunity to highlight the new 'Find It' service, develop a design and architecture consistent with corporate guidelines, and provide clearer pathways to information and resources.

Partnerships

Challenger Institute of Technology

An exciting new collaboration between Murdoch University and Challenger Institute of Technology was established in 2010, resulting in the creation of three new applied degree programs:

- Bachelor of Business (Applied Accounting)
- Bachelor of Tourism (Applied Events Management)
- Bachelor of Applied Information Systems

The programs were developed jointly with Challenger Institute of Technology to enable graduates of related Challenger diplomas to directly enter the second year of Murdoch degrees. Their availability on the Rockingham campus significantly increases opportunities for participation in university education, especially for those who live in the southern corridor.

This is the first time at Murdoch that new programs have been designed to specifically build on the skills and knowledge gained by students studying Vocational Education and Training Diplomas. The new programs have attracted considerable interest from around Australia.

City of Rockingham

The City of Rockingham Chair in Education (Professor Barry Down) has continued to make progress with the issues of retention and participation in education in the local region. Projects underway include:

- *Getting a job: Vocationalism, identity formation and schooling in communities at disadvantage.*
- *Young people and arts practice: Impact, evaluation and the third space.*
- The publication of a third book entitled *Hanging in with kids in tough times: Engagement in context of educational disadvantage in the relational school.* New York: Peter Lang.

Open Universities Australia

Enrolments in Murdoch University units through our partnership with Open Universities Australia (OUA) increased to more than 7900 at mid-November 2010 compared to 5805 in 2009. Introduction to University Learning and the Foundation Units remained popular with all learners.

A number of OUA students are also enrolling in Murdoch's full degrees, completing Security, Terrorism and Counterterrorism and Community Development programs.

The Chamber of Commerce and Industry

The Murdoch University Executive Education Centre (EEC) was established in 2010 to provide focused professional development and executive education services to the public, private and not-for-profit sectors.

A key strategy in the EEC's development is its relationship with the Chamber of Commerce and Industry (CCI). CCI and Murdoch have signed a Memorandum of Understanding which will provide a basis for enhanced services in leadership and management development. The MoU will deliver mutual benefits to the two organisations, including a collaborative approach to developing and delivering leadership and management development programs.

Engaging prospective students

Reaching out into the wider community, Murdoch's recruitment team ran more than 300 activities, tours and presentations to prospective student groups at its three campuses and in schools and community events around the state.

Murdoch created a coordinated approach to engaging with regional schools and TAFEs in 2010, covering school recruitment visits and visits to campus, parents' nights, placements, advertising, TER support, scholarships, entry awards and enabling programs.

Seven major student recruitment campaigns and the annual Open Day were held in 2010 to attract prospective students to Murdoch. More than 12,000 people visited the South Street campus for Murdoch's premier recruitment event, the Open Your Mind Day in August.

Evolving the Murdoch brand

The 2010 brand campaign "How do you change the world? Bring free thinkers together and let them discover" was aligned to the University's mission and its desire to encourage creativity, new ideas and free thinking.

This concept was brought to life through the multi-faceted 'Encounters' campaign featuring a series of entertaining, animation-style TV advertisements, online advertising, an engaging website, staff engagement activities, chalkings across the campus, Twitter, websites, mobile phone site and email. More than 17,000 people from all over the world submitted their own encounters, combining different objects, and sparking more than 1000 ideas.

The 2010 brand campaign received significant recognition from the advertising industry. Murdoch University was a finalist in the TV Campaign of the Year category of the Campaign Brief Awards and won bronze in the Integrated Marketing category at the Perth Advertising and Design Club (PADC) awards.

For the third consecutive year, Murdoch was acknowledged in the WA AMI awards, winning four categories and being named as a finalist in a fifth. The University won the Experiential and Brand Experiences, Green Marketing and Sponsorship categories, picked up the top prize in the Social Marketing category for its student bloggers campaign and was a finalist in the Marketing Communications (Business to Consumer) category for its mid-year campaign.

More than 100 online campaigns and initiatives were delivered this year – from recruitment campaigns, social media management to new sites and new initiatives.

Celebrating our graduates

Five successful graduation ceremonies were held in the Perth Convention Exhibition Centre with around 1700 graduands in attendance and four Honorary Doctorates awarded. Dr Kenneth Chern received an Honorary Doctorate of Letters, Professor Barry McGaw, AO received an Honorary Doctorate of Education and Messrs Richard Lester and Stan Perron received an Honorary Doctorate of the University. A number of students travelled to Perth from Dubai to attend the September graduation ceremony.

Two graduation ceremonies were held in Singapore this year to cater for the increase in graduands.

First honorary doctorate awarded in Dubai

His Excellency Sheikh Nahayan bin Mubarak Al Nahayan, United Arab Emirates (UAE) Minister of Higher Education and Scientific Research, was awarded an Honorary Doctorate presented by Murdoch Chancellor Terry Budge in Dubai – the first honorary doctorate to be conferred in the UAE. Chancellor Budge hailed Sheikh Nahayan's involvement in education as a visionary leader who has made, and continues to make, an outstanding contribution to the development of higher education and research in the UAE.

Sheikh Nahayan was also invited to give the first Sir Walter Murdoch Memorial Lecture delivered outside of Australia at the ceremony. He spoke on the topic One Human Family, urging the global community to work together towards peace and prosperity.

Achievements, accreditations and appointments

The achievements of many Murdoch staff were acknowledged in 2010 including:

- Professor Philip Jennings, Professor of Energy Studies, was awarded the Australian College of Educators' Honorary Fellowship alongside WA's Chief Scientist, Professor Lyn Beazley. Murdoch Adjunct Professor Jennifer Searcy of the School of Engineering and Energy was also honoured, receiving a certificate of appreciation for 25 years of service to the Australian College of Education.
- Helena Grehan's book, *Performance, Ethics and Spectatorship in a Global Age*, was awarded ADSA's Rob Jordan Prize in recognition of her "groundbreaking work of contemporary critical scholarship".
- Six staff members were awarded Australian Learning and Teaching Council Citations for Outstanding Contributions to Student Learning
 - Ms Linda Butcher, Educational Development Academic Affairs
 - Ms Prue Andrus, School of Nursing and Midwifery
 - Dr Martin Cake, Dr Melinda Bell, Dr Teresa Collins and Dr Jennifer Mills, School of Veterinary and Biomedical Sciences.



Research and Development



Research and Development

In line with the key strategies set out in Murdoch University's Strategic Plan 2010—2015, the University is focusing its research endeavour into strategic themes of strength and emphasis. These will be further refined to take account of the outcomes of the first Excellence in Research for Australia exercise.

The University's research funding for 2010 totalled \$37.5 million. This was a reduction on 2009's record research income which was augmented by a significant one-off funding allocation for research infrastructure. However, highlights for the year were outstanding performance in obtaining Grains Research and Development Corporation competitive funding in excess of \$2.7 million, strong results in the Australian Research Council schemes, particularly in the social sciences where \$1.1 million was awarded, and three National Health and Medical Research Council grants worth \$1 million. 2010 also saw a recovery in Australian industry funding post the Global Financial Crisis.

Research Highlights & Honours

Recognising Asian research excellence

With the funding of Asia Research Centre Postdoctoral Fellow, Dr Shahar Hameiri, the School of Social Sciences and Humanities has received its fifth prestigious ARC Fellowship in three years. This is a performance record rivalled by only a handful of academic organisational units at the nation's best universities and underscores the depth and quality of research on Asia at the University.

Nanoscience doctoral student Xuan Le Thi and Asia Research postgraduate students Nikkola Pickering and Jodie Goodman were awarded Prime Minister's Australia Asia Endeavour Awards this year. Murdoch University received two out of only eight Indonesia awards.

Former United States of America Consul General to Perth, Dr Kenneth Chern, was appointed as a Professorial Research Fellow. An expert in Asian affairs, Dr Chern will work across the University to support its leading-edge research into South East Asian affairs, particularly assisting the Asia Research Centre, the Asia Pacific Intellectual Property Law Institute and programs in Asian Studies.

Investigating the history of Anglicanism

Associate Professor Rowan Strong has been commissioned by Oxford University Press, in the United Kingdom, to publish a five volume series on the history of Anglicanism. The series will be the most extensive historical investigation undertaken on this global religious community. It will involve over 100 international scholars, with an editorial team of five British and North American historians headed by Associate Professor Strong as Series Editor.

Improving health through nanotechnology

School of Engineering and Energy nanotechnology lecturer Dr Eddy Poinern was awarded a Bill and Melinda Gates Foundation Grand Challenges Explorations grant. This initiative helps scientists around the world explore bold and largely unproven ways to improve health in developing countries. Dr Poinern is researching an 'inject and forget' delivery system for contraceptive drugs using a novel biosynthetic bone-like material, which, once injected subdermally, slowly releases a controlled drug dosage.

Battling a deadly wheat fungus

With four new mutations of stem rust – a devastating wheat fungus – overcoming existing sources of genetic resistance developed to safeguard wheat crops, Murdoch University's Associate Professor Mehmet Cakir has been funded by the Grains Research Development Centre and the University to develop wheat genes resistant to stem rust.

New research centres tackle key issues

Murdoch is set to be a key participant in two new cooperative research centres (CRCs). The \$27 million CRC for Young People, Technology and Wellbeing will study how technology can help prevent and treat mental illness in our youth. The \$20 million CRC for High Integrity Australian Pork will support our pork producers and regional Australia to maintain local production of high quality food at affordable prices, while improving pig welfare.

Reducing reliance on fossil fuels

A \$10 million joint venture to completely sequence the genomes of 100 different rhizobial strains selected from distinct global geographical regions has been established between the Centre for Rhizobium Studies (CRS) led by Dr Wayne Reeve at Murdoch University and the Joint Genome Institute (JGI, USA) led by the Head of the Microbial Program Dr Nikos Kyrpides. The research into the nitrogen-producing soil bacteria could lead to the elimination of fossil fuel-based fertilisers.

Finding solutions to chronic pain

Psychology lecturer Professor Peter Drummond and Adjunct Professor Dr Phil Finch, in collaboration with the School of Veterinary and Biomedical Sciences, this year established the Centre of Excellence for Pain Research. With funding from NHMRC, ANZA, Pfizer and individual donors such as St Judes Medical, the Centre aims to find solutions for chronic pain and inflammatory diseases.

Supporting Aboriginal health

Murdoch University's Professor Rhonda Marriott and Associate Professor Cheryl Kickett-Tucker are part of a \$2.5 million research project to examine why the majority of health and social services fail to improve Aboriginal people's health and wellbeing. This Perth Telethon Institute for Child Health Research project has been awarded a prestigious Centres of Research Excellence award over five years.



Optimising copper production

Professor Mike Nicol will explore factors governing the rates of electrode corrosion using Murdoch's newly-commissioned electrowinning pilot plant, which was recently donated to the University by BHP Billiton. The research will identify ways to maximise copper production while minimising costs and reducing energy consumption.

Creating opportunities for youth

The close engagement between communities in Rockingham and Kwinana with their schools, and the connection between school, life employment opportunities and community organisations in low socio-economic areas will be examined in two ARC Linkage Projects valued at almost \$200,000 and led by Professor Barry Down and Dr Peter Wright.

Exploring South-East Asian climate history

Professor James Warren of the Asia Research Centre was awarded a three-year, \$400,000 ARC Linkage Grant for his international collaborative project on the history of South-East Asia's global economy and climate. This links with a seven-year \$2.5 million, Social Science and Humanities Research Council Major Collaborative Research Initiative (MCRI) project on The Indian Ocean World led by Professor Gwyn Campbell, Director of the Indian Ocean World Centre, McGill University and in which Professor Warren is a Chief Investigator and team leader.

Uncovering effects of political change

A partnership with leading social psychological researchers at Groningen University in the Netherlands has been cemented with the award of an ARC Discovery Grant to Social Research Institute Director Craig McGarty. The project, that also involves the Universities of Sydney and Queensland, will unravel the social psychological dynamics of political change in Australia and the Netherlands.

Research Outcomes

Pasture legume likely to be big-seller

A new Murdoch-bred French serradella cultivar 'Eliza' is likely to become the biggest selling pasture legume cultivar in WA. Bred to suit the northern and eastern wheatbelt, Eliza's ability to flower early will provide more reliable seed production and be less dependent on favourable spring conditions.

Online portal to help farmers

Murdoch's Centre for Comparative Genomics has developed the Farm Improvement Web (FIWeb) portal with farmers in WA's wheatbelt shire of Corrigin. FIWeb collates in one area the masses of farm-level data collected nationally and locally which impacts on farming decision-making. Farmers and agronomists will use the site to share environmental, soil moisture and nutrition information at the paddock level in an easy-to-use system.

National honour for meat science

Professor David Pethick shared in the 2010 Australian Research Council Eureka Prize for Excellence in Research by an Interdisciplinary Team. Professor Pethick was part of the Meat Standards Australia team which designed the world's first comprehensive paddock-to-plate meat grading system. He also led the team in evaluating a number of key control points that determine the eating quality of beef and the system's expansion to include lamb and sheep.

First ancient human DNA sequenced

In a world first, Murdoch University's ancient DNA expert, Dr Mike Bunce, worked with an international team to sequence the entire genetic code of a long-deceased human. The DNA was isolated and sequenced from a 4,000 year-old clump of male hair found in an archaeological dig in Greenland.

Developing desalination technology

In 2010 the National Centre of Excellence in Desalination completed its inaugural Funding Round of \$3 million which generated more than \$11 million in research activity. A second \$3 million funding round was undertaken in December 2010.

The Centre appointed Mr Graeme Rowley, former Executive Director of Operations at Fortescue Metals Group, as inaugural Independent Chair and Mr Neil Palmer, former General Manager of Technical Services at Osmoflo, as Chief Executive Officer.

Murdoch has executed a Funding Assistance Agreement with the WA Government for \$3 million over three years to build the Pilot Research Facility. The construction has now started.

Probe into Swan River dolphin deaths

Murdoch University conducted the official investigation into the death of six bottlenose dolphins in the Swan Canning Riverpark in 2009. The multidisciplinary team analysed their findings and presented the Chief Scientist of Western Australia's report to the Environment Minister, in 2010.

Secrets of Ancient DNA unlocked

Using a technique which he invented, Murdoch ancient DNA expert Dr Mike Bunce isolated DNA from a 20,000-year-old fossilised emu eggshell to explore evolutionary processes. The DNA is the oldest found in Australia and the technique he discovered could help scientists understand details of extinct birds.



Climate Change mapped through kangaroo evolution

Changes to the kangaroo skeleton over time reflect Australia's changing environment and climate. The findings, published in the Zoological Journal of the Linnaean Society, are the most reliable and detailed kangaroo family tree to date and highlight that conservation is a priority for this species.

Investigating child health

Now in its third year, this research project explores how a child's biological make-up interacts with the physical, psychosocial and community environment as they develop. The study is the first to look at how these factors work together and will help to guide future health policy and practices that influence health and wellbeing in our community.

Asbestos website launched

A team of historians and journalists at Murdoch has compiled a comprehensive website and digital archive telling the story of asbestos and related diseases in Australia. Launched in Asbestos Awareness week in November, the site features interviews and digital artifacts and provides a forum for people to tell their own stories and provide mutual support.

New supercomputer to boost scientific capability

A new supercomputer, approximately 10 times the capacity of the existing facility, and boasting 9600 processing units and 500 terabytes of high performance storage, has been installed in the School of Information Technology's Centre for Comparative Genomics (CCG). It is the largest in WA and rivalled in Australia only by a CSIRO facility in Canberra. Supplied by HP and funded by the CSIRO, it will be managed by the CCG to provide computing power for research at Murdoch as well as throughout the state and around the world.

Professor Matthew Bellgard, Director of the Centre for Comparative Genomics in the School of Information Technology was appointed to the Australian Research Council's Future Fellowships Selection Advisory Committee.

World cup used for 3D study

An in-depth study on 3D TV was conducted for ESPN, a leading multinational, multimedia sports entertainment company based in the US, by Dr Duane Varan, Professor of New Media and Executive Director of the Interactive Television Research Institute. The research was undertaken during ESPN's coverage of the 2010 FIFA World Cup at the Disney Media and Ad Lab in Austin, Texas and compiled results from more than 1000 testing sessions and 2700 lab hours.



New advances in vaccine development

The Institute for Immunology and Infectious Diseases (IIID) research team has developed a number of proprietary genetic tests, methodologies and analysis tools for improving vaccine development and drug treatments of viral infections such as HIV and Hepatitis C.

This year the group developed a novel, proprietary genetic screening test for predicting and improving response to treatment in patients with Hepatitis C using interferon therapy. Developed in collaboration with leading researchers from the University of Sydney and Sydney West Area Health Services, the test has health benefits nationally and internationally as chronic Hepatitis C is a growing global problem. The test also has economic benefits by predicting those patients to whom the expensive interferon treatment should be administered.

Safer and cheaper batteries for electric vehicles

The lithium hydroxide battery currently under development at Murdoch by Dr Manickam Minakshi has the potential to provide safer and cheaper rechargeable batteries. This would have applications for electric vehicles. It is currently subject to a patent application which proceeded to an international Patent Cooperation Treaty (PCT) application in October.

Wastewater solution for remote areas

A novel wastewater treatment technology promises to offer more reliable wastewater treatment for remote and low-technology regions. Parallel nitrification-denitrification, a simpler and more economical process, has gone to National Phase patent application in several countries including Australia.

New advances in biocement technology

Dutch-based environmental research institute Deltares, which holds an option and research and development agreement to Murdoch-developed BioCement Technology, concluded large scale in-situ pilot testing of microbial-initiated carbonate precipitation in January. Further trials at commercial scale are planned, with the group currently seeking potential commercial applications for the technology.

Commercialisation

Commercialisation of research outcomes is an exciting and expanding progression of Murdoch University's research excellence, and the University has been strongly involved in commercialisation activities during 2010.

Overall, more researchers are becoming engaged with commercial sector research and industry partnerships. Murdoch's Commercialisation Office has received an increased number of invention disclosures from staff and students and filed a growing number of patent applications, showing an expanding activity in innovation.

Commercialisation efforts for other intellectual property developed at Murdoch University are continuing. In collaboration with the other Western Australian universities, and sponsored by various private and public institutions including the Commonwealth Government, the inaugural Univation event in November showcased university-developed technology to potential sponsors, industry partners and investors.

Specific areas of commercialisation of Murdoch's research output include:

Safeguarding grain exports

Spin-off company Scicom was established in 2010 and, through a relationship with Murdoch University's Separation Science Group and Cooperative Bulk Handling, is undertaking market development of a high-resolution pesticide residue testing program for grain – ResChek. Scicom is also working with the Separation Science Group on a collaboration with major Brazilian pig and poultry producers to introduce a new fast, high-resolution residue testing program for their export meat market.

New treatments to fight animal parasites

Led by School of Veterinary and Biomedical Sciences parasitologist Professor Andrew Thompson, a Murdoch research team continued to investigate the development of novel veterinary drugs to treat enteric parasites. Murdoch University and Bayer Animal Health this year entered into a research agreement to screen over 50 compounds synthesised by Epichem for in vitro activity against parasites which affect livestock and dogs.

Protecting Australian crops

NemGenix, a Murdoch University spin-out company, extended its research collaboration with Dow AgroSciences for a further year. This collaboration focuses on developing a trait to confer resistance to plant parasitic nematodes in a specific crop species. NemGenix is also undertaking a project to develop nematode resistance in sugarcane with funding from AusIndustry via a Climate Ready Program grant, which includes the support of five full-time researchers. NemGenix has continuing involvement with a major project funded by the Federal Government's Australia India Strategic Research Fund. This project provides funding to both Murdoch University and the Indian Agricultural Research Institute for joint research on developing nematode resistance in wheat.

Vaccine against swine dysentery

Another Murdoch University spin-off, Spirogene, has had a successful year securing a research and development and licensing agreement with one of the world's largest animal health companies for a vaccine for swine dysentery. The vaccine for swine dysentery is the result of work by Professor David Hampson and his team who are acknowledged leaders in this field. Spirogene also secured the rights to commercialise an ELISA diagnostic test for swine dysentery from a collaborative research project between the Pork Cooperative Research Centre and Murdoch University. Negotiations are ongoing for a collaborative research and development project for the development of a vaccine for avian intestinal spirochaetosis for 2011 with another leading animal health company.







People

People

Strategic direction

Throughout 2010 the University continued to enhance its staff working environment and conditions and to improve and expand its range of internal staff support services and processes.

Organisational Capability Unit

The Organisational Capability Unit undertook several projects to build capability in an integrated and cohesive way, aligned with the University's strategic intent. Projects included the design of an organisational capability framework that supports academic and professional staff, surveys of staff about engagement and leadership and the development of a comprehensive needs analysis strategy.

Diversity and Intercultural Communication

The Equal Opportunity and Social Justice Office organised diversity professional development and intercultural competence training for staff in areas including Aboriginal cross-cultural awareness, diversity awareness, equal opportunity law, substantive equality and bullying in the workplace. In 2010, the training was offered to Foundation Unit tutors as part of their induction and customised workshops were delivered to Schools' staff and students on request.

Mental Health First Aid

A Counselling Service 2010 initiative was the presentation of Mental Health First Aid training for staff and students. Funded by the University and a gift from the Chow family, the training aims to create trained staff and student mental health first-aiders who can identify mental health conditions and issues and provide understanding and support to individuals affected by mental health issues.

Organisational change

In line with the Strategic Plan 2010–2015, several initiatives in 2010 were aimed at increasing the efficiency and effectiveness of resources. This will continue to be a critical enabler to quality teaching and learning and research outcomes for Murdoch. An external review of the Murdoch senior management structure was undertaken in 2010 and consequent improvements were made to create a more effective management model that reflects the University's changing business priorities.

A strategic review of the academic enterprise was also undertaken. This is an ongoing strategy, building on the outcomes of the *Murdoch 2010* program of work. The *Murdoch 2010* program involved significant work to improve systems and provide better data and has already produced considerable savings. It has enabled a closer examination of the academic enterprise with a view to building a balance of student demand, quality and efficient delivery in course offerings and a strategically focused research profile.

Collective agreements

A new Collective Agreement for both academic and general staff effective until 30 June 2012 was approved by Fair Work Australia. The Collective Agreement:

- delivered salary increases and superannuation-related benefits
- restricted the use of fixed term and casual contracts
- improved misconduct and performance management processes.

Equal employment and opportunity

Murdoch University's record of improvement in key diversity indicators continued in 2010. The proportion of women employed at manager level across the University increased and the male/female salary differential dropped significantly. For the second consecutive year, the University recorded substantial increases in the proportion of employees from culturally diverse backgrounds – an increase of nine per cent amongst academic staff and of 24 per cent amongst general staff.

Occupational safety and health

Murdoch is committed to providing a safe work and study environment for its staff and students and has extensive occupational safety and health (OSH) policies and procedures in operation. OSH has embedded processes and procedures for ensuring formal consultation and information dissemination to employees through a variety of forums. All new staff attend an OSH induction program and a staff OSH handbook has been produced.

The University has established a documented and communicated Occupational Safety and Health Management System (SMS) outlining policies and procedures and identifying employees' roles and responsibilities. The SMS has been audited internally and externally against the relevant Australian Standard.

The University is in compliance with its legislative duties as prescribed by the Workers Compensation and Injury Management Act 1981 and has established an Injury Management Policy.

The University is committed to preventing staff injury and illness by providing a safe and healthy working environment. However, in the event of an injury occurring, Murdoch's focus is on enabling injured employees to return to work. During the return to work process, the University complies with the Western Australian Workers' Compensation and Injury Management Act of 1981 and the *Workcover WA: Guidelines for Injury Management at the Workplace 2004*. A dedicated Injury Management Coordinator has been appointed to assist injured workers with rehabilitation and to manage and coordinate the Workers' Compensation and injury management process.

Annual Performance 2010

Indicator	Target	Actual
Number of fatalities	0	0
Lost time injury/disease (LTI/D) incidence rate	0.33	0.28
Lost time injury severity rate	0.16	0.14
Percentage of injured workers returned to work within 28 weeks	100%	100%
Percentage of managers training in occupational safety, health and injury management responsibilities.	>55%	>55%





Global
perspectives

Global perspectives

In line with its core value of Global Responsibility, Murdoch University continued to broaden its international activities and expand student opportunities for global interactions in 2010.

Supporting international on-campus students

A number of initiatives were introduced to help international students to make the most of the overall learning and cultural experience during their onshore Australian education. Support programs included:

- the International Discoverers Scholarship, which is designed to make study at Murdoch University more affordable, reducing annual fees by up to \$5,500.
- the establishment of two new student groups – the Chinese Student Association and the Vietnamese Student Association
- an increased number of activities for international students on campus such as Multicultural Day
- the opportunity for Study Abroad students to travel on the North-West Trip, an affordable way to experience remote outback Western Australia and bond with their peers.

24 hour care for students

Murdoch University is the first Australian university to introduce an after-hours personal support hotline for international students, extending the University's level of care to 24 hours a day, seven days a week. The new service is delivered in partnership with Mondial Assistance Australia.

The initiative directly addresses the particular needs of international students who lack immediate familiar support structures. It allows students to pick up the phone and talk to someone when required, even when they are off campus, with any type of question they may have. The service will enable the University to establish a clearer picture of international students' critical needs and where it should build capacity to meet those needs.

Growth in transnational education

Substantial growth in the number of students studying at our transnational locations was again achieved in 2010. The University achieved growth of 9.41 per cent in enrolments and 5.02 per cent in load at transnational locations.

Presently the University delivers degree programs with partners located in Singapore, Malaysia, Dubai and Japan.

Singapore

The University currently has two partners in Singapore, Kaplan Higher Education and SMA Institute of Higher Learning.

Kaplan Higher Education

In 2010 this year the relationship with Kaplan Higher Education in Singapore was expanded and students studying at the Kaplan City Campus will be able to choose from 26 different Murdoch University degree programs by the end of 2011.

The courses on offer range from highly popular programs in communications, commerce and hospitality through to those not previously offered in Singapore such as education, sports science, security and environment-related programs.

SMA Institute of Higher Learning

As the University's partnership with SMA enters its seventh year, enrolments at SMA in 2010 are now over 1600 making SMA Institute of Higher Learning our largest offshore location. Students are enrolled across courses in business, information technology and media, communication and culture.

Dubai

Murdoch Dubai is now in its third year and the first graduates from bachelor degree programs are expected in June 2011. The Master of Business Administration has been a great success in Dubai, and the University will seek to build on this success in the postgraduate market by introducing the Master of Education in January 2011. Available courses in Dubai were expanded in 2010 from business and media to include information technology and environmental management. A course in sustainable development will also be added in 2011.

China

2010 has been a busy and exciting year in regard to our ongoing relationship with China and our efforts to increase Chinese student access to and participation in Murdoch University degree programs. A number of visits by senior staff during the year has resulted in developing strong relationships with a number of Chinese Universities. During the year we have developed and signed articulation pathway agreements with 13 universities covering 12 undergraduate and postgraduate degree programs.

In addition, Presidents of Universities in Zhejiang Province, sister state to Western Australia, visited Perth as part of a University Vice Chancellors' Round Table. At a signing ceremony on 6 May at Parliament House, Professor John Yovich and Professor Zhang Libin, President of Zhejiang University of Technology, entered into a Sister University Agreement to encourage academic collaboration and cultural exchange between the two institutions.

As an outcome of the sister university agreement ZJUT sent 30 students on a study tour to Perth for 10 days. During their visit the students engaged in study programs in the areas of Biology, Arts and Communication as well as participated in a wide range of educational and cultural activities. In November Murdoch University reciprocated and for the first time sent 10 students on a Cultural Ambassador Exchange to ZJUT in Hangzhou. A further group of students from ZJUT will be coming to Perth in February 2011.



Building for
the future

Building for the future

Significant capital and resources continued to be invested in the University's metropolitan and regional campuses in 2010, aimed at improving their accessibility, sustainability and safety, and at creating exciting teaching, learning and social spaces.

Projects completed in 2010 included:

- a \$9 million veterinary surgery teaching building, which received national construction industry recognition for its design and architecture
- a major upgrade of the University's sheep and pig production facilities and reproduction laboratories, showcasing best practice in animal welfare, farm management and human health and safety
- a \$7.5 million building for Murdoch Business School staff and the Murdoch Institute of Technology
- Stages 8 and 9 (61 units) and the 17 Concerto Apartments in the St Ives Retirement Village – with all the units and six apartments having now been sold
- a new \$3 million chiller plant, which provides infrastructure needed for existing non air-conditioned spaces and new builds to be brought on-line and makes an important contribution to sustainable energy and water usage.

Future planning and projects

Planning and construction for a number of new projects was also undertaken in 2010.

- The Science and Engineering Building is currently under construction, due for completion in February 2011
- The Learning Link teaching facility has now commenced construction and will feature corporate style fit-out and amenities and the latest teaching and communications technology for postgraduates as well as undergraduates.
- To further enhance the University's sports science courses, playing fields and change rooms are being upgraded, and will bring the standard of the grounds to state competition level.
- A \$4 million Commonwealth grant to the School of Chiropractic and Sports Science will fund construction of a new teaching area and three new laboratories for biomechanics, exercise physiology and strength, conditioning and rehabilitation, and for related equipment to support teaching and research. The new facilities will open in mid-2011.

Strategic activity centre at Murdoch

The State Government is creating a strategic activity centre at Murdoch based on predicted future use of a highly networked public transport system and on harnessing the intellectual capital and economic multiplier effect of several important local institutions. These include Murdoch University, the existing St John of God Private Hospital and the Fiona Stanley Hospital which is scheduled for completion in 2014.

The University is pursuing a strategy to maximise the education and research opportunities that flow from this State priority including:

- planning for development of the Eastern Precinct
- realignment of the Discovery Way/ Murdoch Drive intersection to link the public transport spine through campus with the new Main Street, the hospitals and Murdoch train station.

Murdoch University Endowment Fund

Murdoch University's endowment investments have generated a net positive return in 2010 of \$1.9 million, and a balance at the end of the year of \$37.8 million after distributions. Although the endowment earnings have returned 4.9 per cent over 2010, they have continued to be impacted by the ongoing volatility in world equity markets. The endowment funds continue to be invested in a conservative portfolio, as per the University's investment policy.

During the year, the University's endowment continued the financial support of the University's Research Institute Directors, which are strategic positions to enhance the University's research activities and performance in key areas of research strength.

The development of St Ives Stages 8 and 9 was completed during the year and sales have been in line with expectation. The project comprises the construction of additional self-contained units, apartments and supporting infrastructure to complement the existing St Ives retirement village. The capital cost of these stages was around \$36 million with an estimated return to the University of \$13 million by 2011.



Senate as at 31 December 2010

Members Ex Officio

Chancellor

Mr Terry Budge, BEcon *Monash*, FAICD, FAIBF, FAIM

Vice Chancellor

Professor John Yovich AM, BSc, BVMS(Hons) *Murd.*,
DiplLargeAnimalSurg *Guelph*, MS, PhD *Colorado*, Diplomate ACVS, MAICD

Members appointed by the Governor

Deputy Chancellor

Ms Eva Skira, MBA *IMD Switzerland*, BA Hons *NSW*, SF *Finsia*, FAICD, FAIM

Mr Brian Aitken, NZCM

Mr Russell Gibbs, DipT *E.Cowan*

Mr Garry Hunt PSM, BBus *Curtin*, DipLGov, FAIM

Mr Maxine Murray, BA *W.Aust.*, DipEd *W.Aust.*

Ms Liz Harris, BA *S.Aust.*, MEd *Murd.*, GradDipLangStudies *E.Cowan*, RSA DipTESL

Members elected by the academic staff

Associate Professor Pia Broderick, BA(Hons) *W.Aust.*,
MAAppPsych(Clin/Health) *Curtin*, PhD *W.Aust.*

Dr Marian Kemp, BEd *Lond.*, Med, EdD *Murd.*

Associate Professor Lance Fung, BSc(Hons), MEng *Wales*,
PhD *W.Aust.*, GradDipBus, *Curtin*, MACS, SMIEEE, PCP

Member elected by non-academic staff

Mr Darren Munday, BBus *E.Cowan*

Members elected by and from amongst the students

Ms Basha Stasak

Mr Brodie Lewis

Members elected by Convocation

Ms Janice Bowra, BSc, MBA *Murd.*, MPH *Curtin*

Dr Lyndy Scott, BSc, BVMS *Murd.*, MBA *Murd.*, MACVSc FAICD

Members co-opted by the Senate

Mr Tony Iannello, B.Comm *W.Aust.*, FCPA, SF *Finsia*, FAICD

Mr Paul Niardone, BA, MBA *Murd.*

Dr Stewart Washer, BSc *W.Aust.*, BSc(Hon) PhD *Murd.*

Secretary to Senate

Trudi McGlade, BA, LLB *NUI*

Statement of Expenditure

Section 175ZE of the Electoral Act 1907 requires the University to include a statement in the Annual Report setting out details of expenditure incurred by the University on certain classes of organisations.

The total expenditure incurred by the University during the 2010 financial year on those organisations was \$3,254,828.

The classes of organisation, the names of the organisations within the class and the total expenditure for the class were as follows:

a) Advertising Agencies	\$1,923,527
Market United	
Meerkats	
b) Direct Mail Organisations	\$70,390
Lasermail	
c) Media Advertising Organisations	\$1,218,561
Community Newspapers	
Adcorp	
Mindshare	
d) Market Research Organisations	\$42,350
Painted Dog	
Synovate	



Governance and Planning

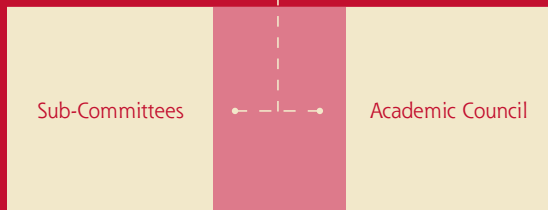
Organisational Structure and Governance

Organisational chart



Senate
 Chancellor
 Terry Budge
 BEcon, FAICD, FAIBF, FAIM

Senate is
 comprised of
 19 members.



- | | |
|--|---|
| <ul style="list-style-type: none"> • Audit and Risk Committee
Chancellor's Committee • Environmental Committee
(to 6 October 2010) • Governance and
Nominations Committee • Honorary Awards and
Ceremonial Committee • Legislation Committee
(to 6 October 2010) • Resources Committee • Summer Committee | <ul style="list-style-type: none"> • Academic Quality
Audit Committee • Committee on
University Entrance • Learning and Teaching
Committee • Research Degrees and
Scholarships Committee • Student Equity and Social
Justice Committee |
|--|---|



- General Counsel**
- Governance and
University Secretariat
 - Records Management
and Archives
 - Internal Audit and
Risk Management
 - Legal Services
- University Secretary**



Executive

Vice Chancellor
Professor John Yovich AM
 BSc, BVMS(Hons), DipLargeAnimalSurg, MS,
 PhD, Diplomate ACVS, MAICD

- Financial, Planning and Commercial Services
- Development
- Corporate Communications and Public Relations

Senior Deputy
 Vice Chancellor

Professor Gary Martin

MEd, MACE, AITD

Acting Deputy Vice Chancellor
 Academic & President of
 Academic Council

Associate Professor Beverly Thiele

BA(Hons) *Murd.*, PhD *Flin.*

Pro Vice Chancellor Faculties

Professor Rhonda Marriott

PhD *Murd.*, RNMH RN, RM

Acting Deputy Vice
 Chancellor (Research)

Professor David Doepel

BSc, BD(Hons), STM



- Faculties
- Student Life and Learning
- International Student Liaison and Recruitment
- Domestic Student Liaison and Recruitment
- Educational Engagement and Partnerships
- International Campuses
- Regional Campuses
- International Relations
- Executive Education
- Human Resources

- Academic Policy
- Library Services
- IT Services
- Organisational Capability
- Educational Development
- Quality Assurance & Reviews
- Indigenous Education
- Social Justice

- Faculty of Arts & Education
- Faculty of Creative Technologies & Media
- Faculty of Health Sciences
- Faculty of Law & Business
- Faculty of Science, Engineering & Sustainability

- Research Policy
- Commercialisation of Research
- Ethics Management
- Higher Degree by Research Management and Support
- Research Management Support



Governance and Planning

Governance and Planning

Risk management

The University's Senate is responsible for setting risk management policy and monitoring risk management across the University and has established an Audit and Risk Committee (ARC) which reviews this area.

During 2010, Senate approved an updated Terms of Reference for the ARC. The new Terms of Reference authorise a new role for reviewing annual financial statements; expand an existing role for reviewing risk management and confirm that there are no scope restrictions on risks reviewed. The ARC reports its findings to Senate as required or at least annually.

This year, the ARC reviewed Risk Management Policy and, as a result, Senate approved an amended policy. The new policy complies with Standards Australia AS/NZS ISO 31000:2009 *Risk Management – Principles and Guidelines*, and also complies with recommendations made in a recent external review of the University's risk management framework.

In particular, management will own risk management policy and procedures and will appoint Risk Champions to maintain risk registers. Risk registers are maintained at strategic and operational levels. The University is currently reviewing risk registers in response to the University's new Strategic Plan 2010–2015 and this review is aligning strategic objectives, risks, controls, and will detail control improvements required.

Identified risks and related mitigating controls generated by the risk management process will assist University management to meet its objectives and will also be used to identify potential audits for inclusion in Internal Audit and Risk Management's audit plans, which are approved by the ARC. Internal Audit and Risk Management reports risk, ranking recommendations to help management prioritise remedial actions.

Central Records

The State Records Act 2000 requires the University to report on specific aspects of its recordkeeping program, in particular those that highlight compliance with formal records management requirements.

In 2010 the University's recordkeeping policies and guidelines were reviewed by an external consultant with the intention of clarifying the distinction between policy and procedure.

Our recordkeeping training program is based on an online recordkeeping awareness training course, and supported by a booklet that outlines staff responsibilities under the Act. The effectiveness of the online training course is reflected in survey statistics. Of staff who completed the training during 2010, 98 per cent described the course as informative/essential and the same percentage of staff believed the training had improved their understanding of their recordkeeping responsibilities.

As part of the University's staff induction program, new staff are enrolled in the recordkeeping awareness training course and copies of the booklet mentioned above are made available at the monthly staff induction sessions. The booklet is also available online.

Information Technology

One of the Office of IT Services' key deliverables for the year was to stabilise and bed down new systems and processes as part of Murdoch's "2010" project Plan 2007–2010. This included:

- a new Ethics module and changes for HDR in the Integrated Research Management Application (IRMA)
- introduction of new Callista (student management application) modules including CORS (Reporting) and MyStudent (web based student enquiry)
- significant progress on the data warehouse application to provide a range of consolidated capabilities to support operational reporting and strategic planning. The current phase is expected to be completed in April 2011 for student reporting.

A number of major upgrades were completed on strategic applications in the areas of human resources, finance, student management and the library. A new student email system was implemented in the "Cloud" (Live@EDU from Microsoft) and the OCC (Official Communications Channel) which provides a direct message channel to every student.

The new Policy Management System was implemented in 2010. This system provides a central repository for University policy, procedure, standards, guidelines and terminology and will assist in managing and disseminating these documents to the University community.

Work was completed on the "Tech Smart" project which was jointly funded by Murdoch and the Federal Government's Teaching and Learning Capital Fund (Higher Education). The funding enabled an upgrade to more than 60 venues and included a needs analysis to determine priorities. This resulted in the installation of over 20 SmartBoards, new data projection equipment and upgrades, AV room controllers, IT equipment, video conferencing and the expansion of the wireless network to cover all teaching and learning areas.

A number of significant changes have been made to improve the ICT infrastructure for the University at every campus. These included:

- completion of network access layer upgrade at South Street
- Rockingham and Peel network upgrades
- improved in-house cabling skills
- services and infrastructure for new sites (MBS Building, Vet Teaching, Executive Education Centre)
- increased fibre redundancy to all buildings by multiple routes
- transition to fibre between all Australian campuses and retirement of microwave links from all sites
- emergency call-point system improvements
- refresh of network equipment and standardisation configuration for all remote offices

- Callista systems moved to virtual machines (VMs) running Linux operating system
- decommissioning of 20 physical servers – either not replaced or replaced with a VM
- expansion of storage area network (SAN) with additional 18 TBs of disk storage
- expansion of virtual server hosting environment which now operates over 160 virtual servers (VMs)
- continued planning to retire Solaris and SUN hardware.

In 2010 implementation of ITIL (IT Infrastructure Library) compliant processes continued, along with the establishment of the Project Services department. In detail, the following process improvements were made:

- introduction of the dedicated Service Desk
- consistent 96 per cent and above Service Desk phone pickup rate
- implementation of knowledge management and update of the knowledge base
- ability to rebuild laboratory computers within a day
- more than 50 per cent reduction in the number of open/unresolved calls
- implementation of the first annual IT Service Quality Benchmark, enabling service quality benchmarking with other universities
- implementation of a continuous survey through Altiris Helpdesk application
- implementation of a standard methodology for running all IT projects.

A number of activities to support eResearch within and across all WA universities occurred in 2010 including:

- leadership of a joint WA university project to establish a number of fibre connections between state-based major research centres and universities using Federal Government grants
- joining the Australian Access Federation (AAF) that allows Murdoch staff to seamlessly access services from other providers
- establishing the eResearch blog at <http://blogs.murdoch.edu.au/eresearch/>.

Work has started on the development of the next IT Strategic Plan which will support the University's ongoing strategy.







Sustainability



Sustainability

Murdoch University extended its significant investment in sustainability initiatives during 2010, undertaking numerous projects and events, both internally and with external bodies, to improve sustainability across its campuses.

Promoting sustainable lifestyles

Underlining its core values of Sustainability and Global Responsibility, the University partnered with the Days of Change organisation, an online sustainability program, by encouraging staff and students to pledge to make sustainable lifestyle changes. Murdoch University was the 2010 Educational Sponsor of the initiative and an Ambassador organisation. Two major on-campus events marked the initiative – the launch of the Murdoch Days of Change partnership, which attracted more than 100 staff and 150 students and the No Cars on Campus day where alternative means of transport to campus (bus, train, cycle) were encouraged.

Reducing car dependency

Almost 100 staff and students participated in BikeWest's six-week Bike to Work Challenge, with 10 teams collectively cycling more than 26,000 km, equating to the prevention of approximately nine tonnes of vehicle greenhouse gas emissions. A free on-campus breakfast held on National Ride to Work Day rewarded participants and encouraged additional staff and students to ride to University on the day.

Reducing the University's carbon footprint

In 2010 the University increased its proportion of GreenPower purchased from 15 to 16 per cent, to further reduce its carbon footprint and increase its renewable energy usage. This is one of the biggest commitments to renewable energy by a university in Australia. The additional renewable energy purchase cuts Murdoch's greenhouse gas emissions by a further 216 tonnes annually, in addition to the previous 3234 tonnes. This is an environmental saving equivalent to the electricity consumption of 33 households.

Renewable energy is also generated from the 30 Kw photovoltaic (PV) system installed at the South Street campus in 2009, which added to the 26.5 Kw PV system installed in 2008. New monitoring equipment for both PV systems records solar radiation, wind speed, panel temperature, etc, with data collected used by Energy Studies students. A website was developed for students, staff and community to track the PV's renewable energy output and carbon reductions.

Monitoring water use

Ten new water meters were installed in four main University buildings to monitor and manage their scheme water consumption. Environmental Science students gained hands-on water auditing experience whilst logging the meters as part of their studies. Consumption patterns have been tracked for each building to identify future water conservation opportunities.

Reducing waste

Recycling and waste audits were conducted to compare with 2009 audits and revealed a reduction in recycle contamination from around 40 per cent to 25 per cent. With support from the Packaging Stewardship Council, best practice bin labelling was added to all new external dual enclosure recycling and waste bins at the South Street campus, as well as internally-located wheelie bins (general, recycle and paper types) and cardboard collection cages. New dual enclosure bins were added at both the Peel and Rockingham campuses. Eight cigarette butt-out bins were installed on the South Street campus.

Information stalls and a recycling competition were held on orientation days to further raise awareness.

State-of-the-art hand dryers are being installed in high volume usage bathrooms to reduce paper towel consumption. The project estimates that more than 800,000 litres of waste paper towel will be diverted from landfill as a result.

Greener buildings and infrastructure

The University's Veterinary Surgery teaching building incorporated a number of environmentally sensitive design elements including: an independently metered and linked-to-campus building management system; maximised natural day lighting; heat reflection and thermal insulation; heating, ventilation and air conditioning (HVAC) system in discrete plant units; smart lighting; waterless urinals, electronic sensor tap systems and four-star Water Efficiency Labelling Standards (WELS) rated water fittings; recycled products in floor coverings and carpets; reduced use of concrete, PVC reticulations and Volatile Organic Compounds (VOCs); and low formaldehyde particleboard.

Conserving Murdoch's natural environment

On-campus Carnaby's Cockatoo surveys continued, with data from university volunteers contributing to the Department of Environment and Conservation's Great Cocky Count of the Perth Metropolitan area. Vegetation protection efforts on campus proved their worth as numbers of roosting Carnabys doubled to approximately 1100 after storms damaged a roost offsite. A flock of about 30 Forest Red-tailed Black Cockatoos also made the South Street campus home this year, requiring an update of the Carnaby's management plan to conserve this other endangered species.

Volunteers and staff planted an additional 6000 native plants. The last link of the wildlife corridor between the Chelodina Wetland and Banksia Woodland was planted in this fourth consecutive year of tree planting.

Rehabilitation of an additional two quenda and black cockatoo conservation reserves was started this year, with tree planting in both the Tuart Grove and Woody Pear Reserve. The Chelodina Wetland was fenced as protection from four wheel drives and rubbish dumping. Extensive weeding was undertaken in all three areas of the Beeliar Regional Park, including treatment of veldt grass outbreaks in arson-burnt areas of the Banksia Woodland and Chelodina Wetland, and continued eradication of arum lily and woody weed infestations in the Melaleuca Swamp. Turf was removed and mulch applied around trees at the South Street campus's Bush Court to improve the health, longevity and aesthetics of this important native remnant.



Community
engagement



Community engagement

Murdoch University plays an integral role in the Western Australian community, forming partnerships with organisations that share our values and vision to tackle some of the greatest challenges facing Australia and the world in the 21st Century.



University sponsorships 2010

Sunset Events

Murdoch University is a major sponsor of four festivals for Sunset Events. The sponsorship gives the University a substantial promotional opportunity and also showcases individual schools such as the School of Chiropractic and Sports Science, who have treatment stations backstage; the School of Media Communications and Culture whose students provide local radio broadcasting from the Southbound event; and photography students who work with the Sunset Events photographer backstage and in the media pit at the West Coast Blues 'n' Roots Festival.

The festivals attract huge crowds to showcase Murdoch University courses, students and talent:

- **Southbound Music Festival** – held in Busselton in January, attracted 20,000 people.
- **West Coast Blues 'n' Roots Festival** – held in Fremantle in March, attracted 22,000 people.
- **Groovin the Moo Music Festival** – this was the inaugural Groovin the Moo Festival. Held in Bunbury in May, the all-age event attracted a sell-out crowd of 15,000.
- **One Movement for Music Festival** – held over a weekend in October in Perth, attracted 10,000 people.

Committee for Economic Development of Australia (CEDA) Partnership

Murdoch University partners with CEDA in the Inventing the Future initiative which includes a series of forums for business leaders, government, academics and community organisations. The 2010 events were *Post-Copenhagen: Where to from here?* and *The true value of water*.

The West Australian: Leadership Matters

For the seventh consecutive year, Murdoch University partnered with The West Australian in its Leadership Matters series. Thousands of representatives of Perth's business community heard presentations from former Prime Minister John Howard, Myers Chief Executive Bernie Brooks, NRL Chief Executive David Gallop, Australian Capital Equity Executive Director Ryan Stokes, Emirates Divisional Senior Vice President Richard Vaughan and KPMG Chief Executive Geoff Wilson.

Engaging with the community

Murdoch University's values of Equity and Social Justice and Global Responsibility drive its strong culture of community engagement, and in 2010 the University continued its active involvement with diverse communities locally and internationally.

Working with WA's African community

To address gaps in community settlement services available to African migrants coming to Australia on Refugee or Humanitarian Visas, the University offered facilities for African women from refugee backgrounds to attend free citizenship test preparation courses and ethno-specific English language classes. The classes were taught by volunteers from the community who were English teachers in their home countries and experienced in working with adults who cannot read and write. Murdoch also provided the women with access to computers to build their computer skills in a non-threatening way.

Leading the fight against racism

Partnering with the Ethnic Communities Council of WA, the Aboriginal Legal Service of WA and the Federation of the African Communities Council, the University hosted a two-day National Anti-Racism Symposium. Anti-racism activists and experts from around the world addressed over 275 attendees. As part of the event, the Governor-General of the Commonwealth of Australia, Her Excellency Ms Quentin Bryce AC, launched the African Women's Council of Australia during the Community Voices session.

A major feature of the Symposium was the landmark adoption of The Murdoch Agenda: An Agenda for Eliminating Racism in Australia 2010 on the eve of the International Day for the Elimination of All Forms of Racial Discrimination.

Promoting debate on human rights

Anti-apartheid activist Justice Albie Sachs delivered the second Michael D Kirby Annual Human Rights Lecture at Murdoch University. A leading draughtsman of post-apartheid South Africa's Constitution, Justice Sachs was appointed by Nelson Mandela as a member of South Africa's first Constitutional Court. He spoke on the Constitutional Court's approach to same-sex marriages, which were recognised under South Africa's Constitution in 2005 in a leading judgment.



Inspiring future leaders

Rachel Robertson, leader of the 58th Australian Antarctic Research Expedition to Davis Station spoke to a full house on *Leadership at the bottom of the earth... where no-one hears you scream*. Ms Robertson, only the second female to ever lead a team at the Station, shared her experiences and outlined the lessons she learned in that role.

Focus on Indian democracy

India-based specialist in democracy, governance and decentralization, Dr George Mathew, delivered the biannual Keith Roby Memorial Lecture. The Founding Director of the Institute of Social Sciences, New Delhi outlined how India has developed its independence through a vibrant democracy drawn from diverse cultural backgrounds.

Investigating the Global Financial Crisis

Renowned economist and Nobel Prize recipient, Professor Joseph Stiglitz, was the inaugural speaker for this Australia-wide series of lectures. More than 300 people attended Professor Stiglitz's lecture which was drawn from his new book – *Freefall: Free markets and the sinking of the global economy* – which unravels the causes behind the 2008 financial crisis. The event was hosted by Murdoch's Business School in conjunction with the Economic Society of Australia.

Reforming Australia's curriculum

More than 200 people attended this year's Banksia Association Lecture which featured as guest speaker Chair of the Australian Curriculum, Assessment and Report Authority, Professor Barry McGaw, AO. Professor McGaw's lecture – *Driving education reform with curriculum reform and public accountability* – talked about the new public reporting of school performance and the international experience of similar strategies.

Professor McGaw also presented a public lecture for the School of Education, addressing 130 attendees on the impact of social background in education.

Chiropractic students support communities

A strong community focus saw Murdoch University chiropractic students provide free treatment in India, South Africa and a number of towns in regional Western Australia. They also provided support at three community clinics in Perth and treated more than 300 concert goers at Sunset Events festivals.

Students also attended the World Conference for Chiropractic Students (WCCS) in Dallas, Texas, and were awarded the WCCS Congress in 2012 at Murdoch University.

Teaching English in Chile

As part of a theatre-in-education project, five Theatre and Drama students headed to Chilean schools for a three-month stint teaching English. The students toured as professional actors in specially written performances, with their living expenses and wages paid for by School Plays Chile.

Education through theatre in Malaysia and Singapore

An acting troupe from Murdoch's Children's Performance travelled to Malaysia and Singapore to run workshops and perform their latest stage play which is designed as an educational resource.

Community health

The School of Nursing and Midwifery ran a popular series of one day seminars on Postnatal Mental Health, Breastfeeding, Midwifery Emergencies and Preparing Parents for Childbirth and Beyond.

Caladenia Counselling Centre provided a low-cost affordable counselling service to the community through the School of Psychology's postgraduate counselling program.

Engaging with schools

The University again conducted an exciting range of events to engage with secondary schools in its catchment areas.

Summer school for young scientists

Chosen from more than 200 applications, 60 Year 11 and 12 WA high school students discovered more about science and engineering at Murdoch's week-long residential Summer School held in January. Students came from as far as Manjimup and Karratha.

International accolades for student film

This project produced the short film Ronan's Escape about school bullying. Involving Narrogin Senior High School students, the project had a significant impact, not only on bullying at the school, but on students' academic performance and aspirations, with some students applying to continue their filmmaking studies at Murdoch University. Ronan's Escape won international awards, including the Best International Short Film at the prestigious 6th Annual Hollyshorts Film Festival in Hollywood, beating more than 200 submissions from 16 countries.

Breaking down social barriers for youth

In a novel training program, Murdoch students joined with Millenium Kids Inc. to use the media to break social barriers. Millennium Kids is a not-for-profit NGO based in Western Australia with outreach programs and partnerships in Java, South Africa and Malaysia. Working with Sevenoaks Senior High School students as a part of their school activities, and sponsored by the Public Transport Authority, the project aimed at moderating risk-taking amongst young people and increasing their self-confidence.

High schools students learn to moot

Vying for the 2010 Jackson McDonald Cup, students from four WA high schools had first-hand experience of the art of mooting, the oral presentation of a legal issue, courtesy of Murdoch University Law School and law firm Jackson McDonald. The students were mentored by the Law Schools' Moot Court Bench, the only such organisation in Australia, and performed to an exceptional standard.







Murdoch
University
Foundation

Murdoch University Foundation

Inspiring achievement and changing lives

Murdoch University has a 35-year history of successfully working with community-minded individuals, organisations, government and business, to benefit the community through research, education and community projects. The Murdoch University Foundation was established in 2003 to develop such partnerships and encourage financial support for the University's mission.

For the last seven years, the Foundation has worked to secure donations and sponsorships from the public and corporate sector to support and encourage students and to fund specific University projects and research.

The Foundation is an Australian Taxation Office endorsed Deductible Gift Recipient so gifts are tax deductible. It is governed by a Board of Trustees, chaired by the Vice Chancellor, and includes six voluntary members – Karen Brown, Terry Budge, Emeritus Professor Kateryna Longley, Emeritus Professor Geoffrey Bolton, Richard Alder and Kevin Campbell. Since its inception, donations and sponsorships through the Foundation have totalled more than \$14.25 million and it has made grants to the University worth \$9.16 million.

2010 achievements

In 2010 the Foundation continued to work with staff across the University to attract significant donations, sponsorships and pledges for a range of projects and programs.

In total, the Murdoch University Foundation received income of \$1.28 million with forward pledges over the next five years totalling more than \$1.3 million.

The Genesis Campaign

In 2007 the Foundation embarked on planning for its most ambitious capital fundraising campaign to date, the Genesis Campaign, to raise \$10 million toward the establishment of the Institute for Immunology and Infectious Diseases. The Institute will enable Murdoch researchers to advance their groundbreaking work on HIV AIDS and other infectious diseases. Well-known WA philanthropists, Stan and Jean Perron, agreed to be patrons of the campaign. This campaign continued during 2010 with donations and pledges to date totalling \$6.4 million. The Institute building is almost complete and the research teams are moving in with a formal opening planned for 2011.

Student prizes and scholarships

During 2010 the Foundation received \$66,770 to establish eight new prizes and 23 new scholarships worth more than \$88,250 over the next five years. Many of these prizes and scholarships were named in honour of their donors or in memory of someone close to the donor. The George Alexander Foundation also confirmed renewal of scholarship funding of \$337,500 to financially support the accommodation costs of 15 rural and remote students over the next five years.

Support for senior academic appointments

The City of Mandurah confirmed its intention to support a new Chair in Health and Wellbeing at the Peel Campus of the University in 2011. This three-year partnership is an important focus for work on health promotion and supports the establishment of a new course in Social Work. The Foundation also continued to work with the City of Rockingham to fund the City of Rockingham Chair of Education, an important position focussed on increasing participation in education in the region.

The Department for Planning and Infrastructure continued support for joint funding of an Associate Professor in Community Planning to be based at Murdoch University for the final of four years.

The partnership between Alcoa of Australia and Murdoch University to fund a Professorial Chair in Sustainable Water Management continued in 2010 through the work of Professor Richard Harper. The role addresses urgent WA and national water issues including impacts of changing rainfall patterns, water capture, water reuse and recycling. Professor Harper is already working with stakeholders to identify key issues for research and planning.

Murdoch University Banksia Association

The Murdoch University Banksia Association was established by the Vice Chancellor in 2005 to strengthen the University's connections with past supporters including Emeritus Professors and Emeritus Associate Professors, past lay members of Senate, Honorary Degree recipients and others. The Banksia Association has grown to 156 members and in 2007 launched its first special fundraising project to support a student Honours Scholarship in perpetuity. So far \$88,000 has been raised towards a target of \$125,000. The third scholarship was this year awarded to Tania Mei-Li Douthwaite at the annual Vice Chancellor's Banksia Dinner in December.

The Chiropractic and Sports Science Development Committee

This committee was established in 2007 to raise funds towards prizes and scholarships, staff positions, equipment and community projects for the School of Chiropractic and Sports Science. So far more than \$600,000 has been raised, including a generous gift of \$500,000 towards the establishment of a mobile health unit to travel to the Pilbara to provide allied health services to regional and remote communities. Support from the Gumala Aboriginal Corporation and Rio Tinto Iron will fund a Health and Education Needs Analysis in the Pilbara to help with planning for relevant services.

For the third consecutive year, generous donors provided funds of more than \$16,900 for a group of chiropractic students to travel to India to work with underprivileged children and communities. A group of students was also supported by regional businesses to travel to communities and mine sites in WA's North-West for clinical experience and to provide onsite healthcare.

Grants to the University

During 2010 the Foundation provided grants to the University for specific projects totalling \$6.48 million, matching the wishes of individual and corporate donors and sponsors who contributed to the Foundation during the year.

The Murdoch University Veterinary Trust

Established in 1997, the Murdoch University Veterinary Trust helps vets help animals. With support from individuals and organisations, the Murdoch University Veterinary Trust supports veterinary education, groundbreaking research and quality veterinary care. In 2010 the Veterinary Trust provided more than \$420,000 in additional support to the School of Veterinary and Biomedical Sciences with the help of many individuals and organisations.

The generosity of contributors supported important investments to help the School achieve its global accreditation and invested in veterinary education for undergraduates, residents and practitioners. The funds also provided specialised equipment to care for Western Australia's most difficult veterinary cases, a rehabilitation clinic, and provided veterinary treatment to animal shelters and disadvantaged community groups. This includes funds for student scholarships and 50 prizes rewarding student excellence.

In partnership with the Murdoch University Foundation, the Veterinary Trust also made a significant investment in the future leadership of the School, with a pledge of \$400,000 to support the recruitment and salary of the incoming Dean of the School of Veterinary and Biomedical Sciences. Planning is also underway for fundraising for improvements to the School in the next five years.

Murdoch University Art Collection

Established in 1974 by donations from the general public, the Murdoch University Art Collection has achieved national success as a collection of cultural significance in recent times.

The collection holds in excess of 1000 artworks by local, national and international artists, of both Indigenous and non-Indigenous backgrounds.

In 2008 the Art Collection implemented a major review with the aim of harnessing the collection's history and creating a new focus, exploring the opportunity to secure the future of this national treasure. The collection reflects and celebrates the creative diversity of Australian culture and visual arts practice, while underpinning the everyday learning experience of Murdoch's student body.

The review assisted in evolving the long term vision of the collection and created a fresh opportunity to refocus art acquisition with the establishment of newly developed themes including abstraction, photo-media, urban-based and community-based Indigenous art and public art.

The collection's marketing strategy continued to advance the aims of the collection throughout 2010, with the commission of two site-specific public art projects by Mr Tony Jones OAM and Mr Kyle Hughes-Odgers and the continuation of the exhibitions program, with a display of works by notable contemporary Australian and International artists received by donation from the general public. The end-of-year art donor function attracted more than 200 guests including past and current donors, corporate stakeholders, artists and individuals from the visual arts sector.

The Art Board continued to be chaired by Mr Alan R Dodge AM, the former Director of the Art Gallery of Western Australia, with new board appointments including Dr Fred Nagle, Ms Maxine Murray, Mr Dario Amara and Ms Amy Barrett-Lennard – the current Director of the Perth Institute of Contemporary Arts.

The collection's Donors' Program continued its outstanding success with the endowment considerably advanced in 2010 with notification of a significant bequest.

Since the launch of the donor program in late 2004, the collection has received gifts and donations of artworks that support the acquisition strategy totalling in excess of \$650,000, which permit the continued growth of the collection and secure its ongoing future.

In 2010 artwork donations and gifts were received from Mr John Catlin, Mr Rodney and Ms Penne Thompson, Mr Trevor Richards, Mr Chris and Ms Mary Hill, The Brown Family Trust and Mr Alan R. Dodge AM.

As a result of these generous donations, the collection is able to enrich the teaching and learning experience of Murdoch's students, staff and community members through the integration of art into everyday university life.

Bequests – the will to make a difference

The Murdoch University Foundation continues to assist a growing number of people who wish to leave a gift to the University in their wills. Gifts of this nature are welcomed by the Foundation as they provide an opportunity for people to make a contribution they may not be able to make during their lifetime.

Planning for 2011

The Murdoch University Foundation is grateful for the support provided by all donors and sponsors and looks forward to an even more successful year in 2011, with an increased focus on alumni relationships and significant projects on the University's three campuses and in the community.

To learn more about current University projects or how donations can benefit the community and support the mission of the University, visit www.foundation.murdoch.edu.au



Murdoch University Foundation Donors and Sponsors

Many other donors and sponsors have supported the University, its students and the community but have chosen to remain anonymous and we thank them for their support. In addition, some donors provided funds to the Foundation in past years to be held in perpetuity with the income to be used each year for student prizes, scholarships, research and community projects and we thank them also for their support.

Student Prizes

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Anthropological Society of WA
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Australia-Japan Society of WA Inc
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Trevor & Terrie Delroy
Alison Gaines & Greg Smith
Dr Toby & Tony Manford
The Stan Perron Charitable Foundation

International Theologian Campaign

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School of Chiropractic Projects

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Art Collection

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Alan R. Dodge AM
Chris & Mary Hill
Trevor Richards
The Brown Family Trust
Rodney & Penne Thompson

Murdoch University Veterinary Trust Support

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Yvonne Sheriffs
Carol Sinclair
Cliff Smith
Dr Marjorie Smith
Toni Soderstrom
Dr Sue Sparrow
Nahiid Stephens
Dr Donald Stewart
Anne Tan
Dr Shelley Teakle
Dr David & Gay Tennant
Susannah Thomas
Dave Thomson
Tracey Thornton

Janice Thorpe
Elaine Tibbitts
Eric Tonkin
Barbara Tower
Kenneth Tung
Heather & James Tunmore
Rudolf Vandongen
Vendquip
Vet Class 2010
Virbac WA
Jennifer Wade
Elizabeth Walton
A G Warner
Carol Warren
Roslyn Warrick
Dr Elaine Waters
Dr Katharine Watson
Gillian Weaver
Wellard Rural Exports P/L
Serena Wellicome
Cirsten Werndly
June Whelan
Dr Belinda Wilkin
M Willcox
Alexander Williams
E M. Wilson
A Winterton
Osra Wisbey
Mollie Wombwell
M R. Worton
Brigid Woss
Sally Yap
Peter & Tania Young
Barbara C Zimmerman

Veterinary and Biomedical Sciences Prizes

Peter Adamson
Australia Small Animal Veterinary Association
"Australian College of Vet Scientists (Surgery Chapter)"
"Australian College of Veterinary Scientists (Epidemiology Chapter)"
Australian Society for Parasitology
Christine Backus
Simon Andrew Bell
Bio Rad Laboratories Pty Ltd
Bob Nickels Veterinary Services
Murdoch University Commercialisation Office
Philippa A. Davies
Dept of Agriculture WA (Animal Health Lab)
Dept of Environment & Conservation
Epichem Pty Ltd
Fisher Biotech
WA Shearing Contractors Association
Judith Grant
Hill's Pet Nutrition Pty Ltd (AUSTRALIA)
Michael Hubon
Mary Ingram
Interpath Services Pty Ltd
Invitrogen Life Technologies
Joanne Keatinge
Peter Kendall
Peter & Jill Kitto
Janette Martin
Milne AgriGroup Pty Ltd
Murdoch University Centre of Animal Production Research
Murdoch University Vet & Biomedical Sciences
Pat Murphy
Lloyd Okuse
Bill & Sandra Pannell
Provet WA
Qiagen Pty Ltd
Saturn Biotech
Janet Watkins
Eric Whitford

Veterinary and Biomedical Sciences Scholarships

Dr Jennifer Cormack
Dr Jillian Coyle
Dr Peter De Boer
Dr Tom De Ridder
Dr Annabel Forrest
Dr Lynette Godecke
Dr Odette Hickson
Dr Ralph Hudson
Dr Fleur James
Dr Belinda Kays
Dr Mark Kelman
Dr Miles Nye-Chart
John Owen
Dr Rita Perry
Pfizer Australia Pty Ltd
Dr Chiu Han Simon Quek
Dr Robyn Sharp
Dr Julie Taylor
Dr Suellen Taylor
Dr Janice Thorpe
Dr Alexander Williams

Caring for Pets Participating Clinics

Attadale Veterinary Clinic
Booragoon Veterinary Hospital
Bullcreek Veterinary Hospital
Bullsbrook Veterinary Hospital
Bunbury Veterinary Clinic
Busselton Veterinary Hospital
Cottesloe Animal Hospital
Doubleview Veterinary Hospital
Greenfields Veterinary Hospital
Harradine & Associates Veterinary Hospital
Kenwick Veterinary Hospital
Kyabram Veterinary Clinic
Midland Veterinary Hospital
Mira Mar Veterinary Hospital
Mt Lawley & Inglewood Veterinary Centre
Ranford Veterinary Hospital
Somerville Veterinary Clinic
South Street Veterinary Clinic
St Francis Veterinary Hospital
Valley Veterinary Centre
Wembley Veterinary Hospital
Willetton Veterinary Clinic

2010 Annual Report

The power of many.



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Murdoch
UNIVERSITY