



# ISEAL ANNUAL REPORT 2011

[vu.edu.au](http://vu.edu.au)

CRICOS Provider No. 00124k



**VICTORIA  
UNIVERSITY**

MELBOURNE AUSTRALIA

**ISEAL**

INSTITUTE OF SPORT,  
EXERCISE AND ACTIVE LIVING

#### ACKNOWLEDGEMENT OF COUNTRY

We acknowledge the Elders, families and forebears of the Boorwurrung and Wurundjeri tribes of the Kulin nation who were the custodians of the University land for many centuries. We acknowledge that the land on which we meet was the place of age-old ceremonies of celebration, initiation and renewal and that the Kulin Nations people's living culture had and has a unique role in the life of this region.



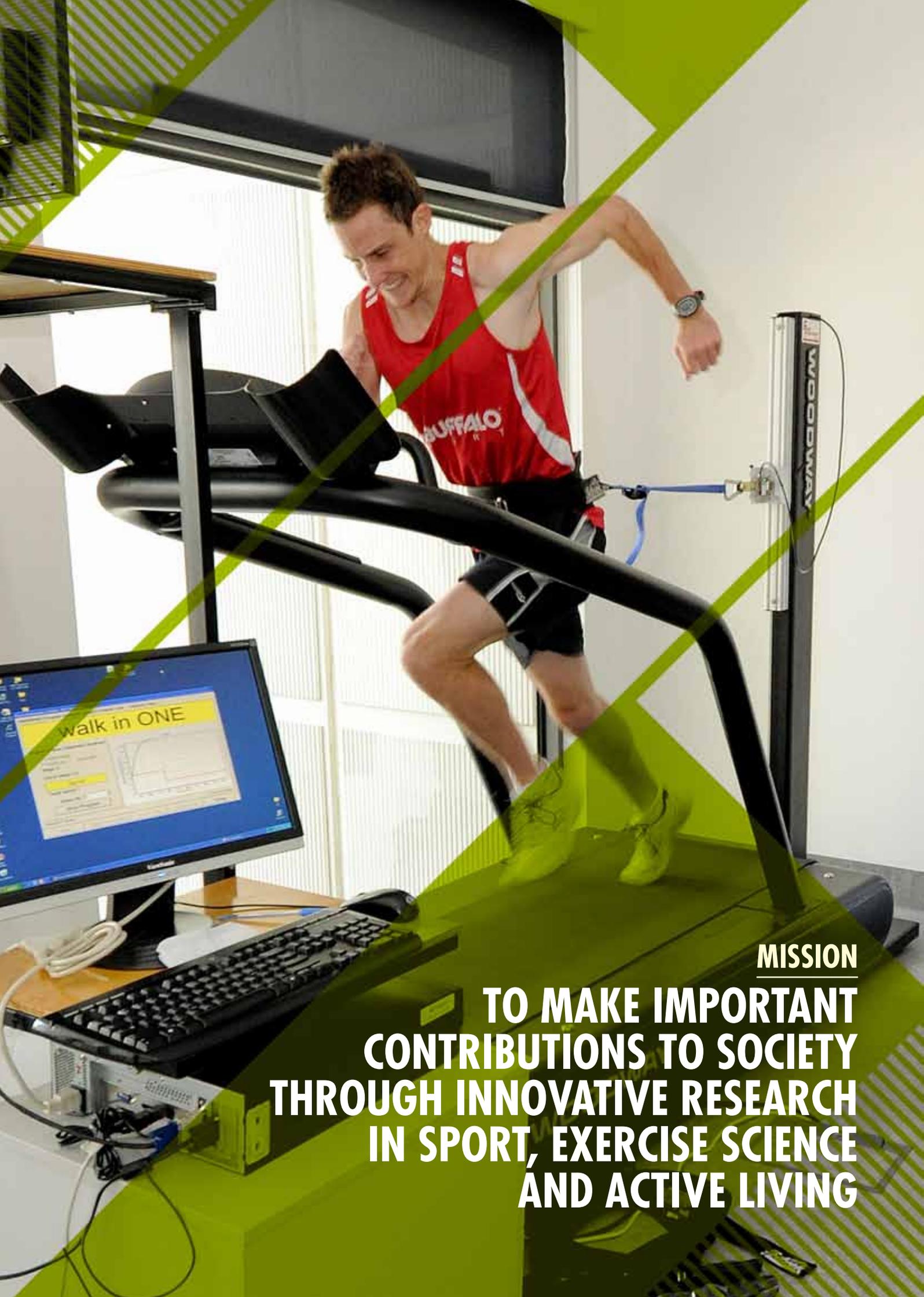
**VISION**

**TO BE A WORLD LEADING  
RESEARCH INSTITUTE IN SPORT,  
EXERCISE SCIENCE AND ACTIVE LIVING**

## Contents

Vision	1	<b>Research Programs</b>	
Mission Statement	2	Sport Report	16
<b>Directors' Reports</b>		Exercise Science Report	17
ISEAL Director's Report	3	Active Living Report	17
ISEAL Research Director's Report	4	<b>Key Partnerships and Collaborations</b>	
Key Performance Indicators	5	Victorian	19
<b>Organisational Structure</b>		National	19
Organisational Chart	6	International	19
Staff	6	<b>Marketing and Communications Report</b>	<b>19</b>
Research Associates	7	<b>Major News and Events of 2011</b>	<b>20</b>
Engagement Associates	9	<b>Conference Attendance and Invited Lecture Highlights of 2011</b>	<b>22</b>
Higher Degree by Research Students	9	<b>Publications</b>	
<b>2011 Budget</b>		Books	27
Profit and Loss Statement	10	Book Chapters	27
Research Income	11	Journal Articles	29
<b>Active Projects 2011</b>		Conference Publications	35
ISEAL External Income Received in 2011	12	Patents	37
ISEAL Active Projects (Funding Not Received in 2011)	14	General Public Outputs	37
		Conference Presentations	39
		Memberships, Appointments and Awards	42
		Examinations, Reviews and Assessments	42
		Government Reports	43
		Contract and Technical Reports	43





**MISSION**

**TO MAKE IMPORTANT  
CONTRIBUTIONS TO SOCIETY  
THROUGH INNOVATIVE RESEARCH  
IN SPORT, EXERCISE SCIENCE  
AND ACTIVE LIVING**



## ISEAL DIRECTOR'S REPORT

"We grew our total funding by almost 100% from just over \$1.6 million in 2010 to \$3 million in 2011."

Professor Hans Westerbeek

In 2012, our third year already, we are pleased to present our second annual report (2011). As an Institute we are striving for a world-leading position as a research organisation in the areas of sport science, sport business, sport in society, exercise science and active living. In 2011 we set ourselves ambitious growth targets, both in terms of attracting new (international) staff and developing projects, and winning new research work. At the end of 2011, the ISEAL staff profile had grown to a total of two senior research fellows, 14 postdoctoral research fellows, 68 research associates and 13 engagement associates. A total of 90 Higher Degree by Research (HDR) students enrolled in schools across the University in the discipline of sport, exercise and active living. As a result, ISEAL's critical mass of researchers – staff plus HDR students – exceeded 200 persons in 2011. An important focus of 2011 was to embed ourselves within Victoria University, which proved successful as measured through co-funded research appointments with schools across three higher education faculties.

The ISEAL leadership team of six professors and an executive officer was strengthened by the exciting addition of ex-Olympian Chris Rawlinson to head up the ISEAL marketing team. A significant rise in ISEAL generated PR and publicity, a number of signature events, and the ISEAL capability statement were examples of our increasing focus on marketing our services and results, showcasing our research capacity, facilities and activities, and further growing the ISEAL brand and profile.

With the expansion of the ISEAL team also came growth in the number of projects that we conducted through ISEAL – in 2010 we ran 76 projects, to which we added 82 new projects in 2011, with 63 active in 2011. We grew our total funding by almost 100% from just over \$1.6m in 2010 to \$3m in 2011.

It is quite fitting that in early 2011, the majority of ISEAL staff and associates finally moved from being dispersed across VU's campuses to work from the new Sport and Learning Precinct at Footscray Park. During

a wonderful opening ceremony, the Victorian Governor the Honourable Alex Chernov AC QC, officially declared the 29 new research and teaching labs open and ready for use by students and staff.

In April 2011, VU Vice-Chancellor Professor Peter Dawkins and Acting CEO of the Australian Sports Commission Professor Peter Fricker, signed a five-year strategic partnership between the Australian Sports Commission (ASC) / Australian Institute of Sport (AIS) and VU. This partnership is a reflection of the confidence that the peak government body in Australia has in VU's ability to deliver results that will benefit Australian athletes and members of the community with opportunities to succeed in competitive sport and enhance community sport participation.

ISEAL hosted two high-profile international partnership conferences in April 2011. The 2nd International Symposium for Collaboration in Research, Teaching and Exchange was based on our unique international collaboration with the German Sport University and the University of Western Ontario, VU partners of over 22 years. The symposium was co-hosted by the School of Sport and Exercise Science (SES), with a strong focus on Australian partnerships including our links with the AIS, the Victorian Institute of Sport (VIS), Maribyrnong College Sports Academy, the Australian Olympic Committee, and with colleagues from several Australian universities. The symposium's scientific program, which contained parallel streams in sport and exercise science, Olympic and mega sport events, active living, and sport management, attracted 250 delegates from 30 different organisations, and included more than 60 research presentations and three panel discussions over a three day period.

ISEAL also hosted "Towards 2016: Australian and Brazilian Strategies for Success" in April 2011, with support from the Department of Foreign Affairs and Trade and the Council on Australia Latin America Relations (COALAR). Attending partner organisations included the Brazilian Olympic Committee, Brazil's Federal University of Alagoas and the University of

São Paulo. The highly successful conference explored areas for research collaboration between Australia and Brazil in the lead-up to the 2016 Olympic Games.

In 2012 we hope to re-sign with our strategic partners, the Western Bulldogs Football Club, and to significantly expand the collaborative work that we are developing with our strategic partners, the ASC and AIS. We anticipate that we have co-delivered on Australian success at the London Olympic Games, and we will advance our international work with partners in Brazil, China, Qatar, Germany, and Canada, just to name a few!

I thank our Marketing Manager, Chris Rawlinson, for an outstanding job developing the ISEAL brand and marketing materials, and all the members of the ISEAL administration team for their outstanding support throughout the year. I also would like to thank Professor Mike McKenna and the research leadership team for their energetic and passionate commitment to excellence.

In VU's new Strategic Plan, ISEAL plays an integral role in moving the University towards a position of being world-renowned in sport, exercise and active living by 2016. We very much look forward to working with our existing and new partners towards this ambitious and exciting objective.

**Professor Hans Westerbeek**

Director  
Institute of Sport, Exercise and Active Living  
(ISEAL)



## ISEAL RESEARCH DIRECTOR'S REPORT

"Arguably the most important research development in 2011 was the signing of the Strategic Partnership Agreement with the Australian Sports Commission (ASC), incorporating the Australian Institute of Sport (AIS)."

Professor Michael McKenna

ISEAL underwent significant development in all aspects of its operations in 2011, our second year, including staffing, marketing and profile, research income, research outputs, partnerships and collaborative activities, and major funding successes. ISEAL senior research staff also undertook significant planning work underpinning future ISEAL success, laying foundations for defining ISEAL's strategic plan, research strategic plan and key research areas.

The highly anticipated opening of world-leading facilities at Victoria University to support research and teaching in sport, exercise science, and active living, was a highlight of the year. The \$68.5m Sport and Learning Precinct on the Footscray Park campus was opened in June 2011 and features world-class sport and exercise science laboratories including Exercise Physiology, Biomechanics, Skilled Performance, Biochemistry and Molecular Biology, Motor Control and Biofeedback. As ISEAL's Research Director I was delighted to host 41 visits to ISEAL including tours through the new sport and exercise science facility in 2011, comprising 23 separate visits from industry bodies, 14 from international universities including one tour which included 25 Chinese university presidents, 4 from Commonwealth and State Governments and 3 from Victoria University. These entities and individuals were all looking to generate future collaborations or develop ISEAL networks.

The \$52m Western Centre for Health Research and Education building at Sunshine Hospital was also opened in July 2011, and directly supports ISEAL research associates undertaking clinically-focused exercise science research.

These research facilities place ISEAL in an outstanding position to undertake world-leading research and attract the world's best research staff and students to the University.

Arguably the most important research development in 2011 was the signing of the Strategic Partnership Agreement with the ASC, incorporating the AIS. The culmination of three years of discussions, the agreement has opened up many exciting new research

opportunities for ISEAL, covering the full spectrum from community sport participation including sport management, to enhancing elite sport performance. An ASC-VU steering committee was established and oversaw a new joint initiative, ASC-VU Collaborative Research Projects, with each partner investing \$440,000 into a common pool. After a competitive process, a total of nine projects were funded, with ISEAL contributing additional funds to secure two jointly funded positions in sport coaching and sport participation. A total of 13 schedules were evidence of strong research development that occurred under the partnership during 2011. Further research developmental work occurred with the French Institute of Sport (INSEP), Aspire (Qatar) and the Florey Neuroscience Institute.

Twenty-seven new projects were awarded funding in ISEAL in 2011. The total research income rose to \$3m in 2011, an 85% increase above funds received in 2010. Importantly, a large component of this growth was achieved through externally sourced funding of \$1.79m. ISEAL income received was \$0.38m in Category 1, \$1.26m in Category 2, \$0.14m in Category 3 research grants and \$1.21m internal income. Funding sources included our strategic partner, the ASC, Category 1 grants from NH&MRC, VicHealth and ARC Linkage, and additional grants from The Mason Foundation and the Department of Sustainability and Innovation. As part of a \$6.14m funding win by the university through the Australian Government Collaborative Research Network (CRN), ISEAL's component for research in clinical exercise science and active living was \$2m. The amount received in CRN funding for 2011 was \$403,837 with a further co-investment from faculties of around \$1m for 2012-2014.

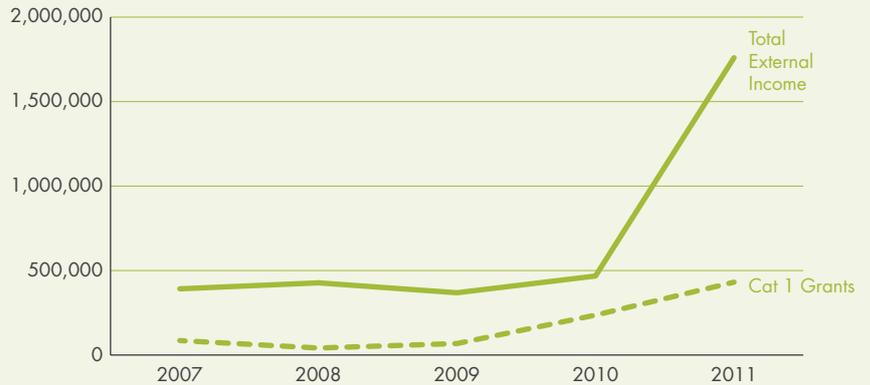
ISEAL continued to successfully manage major funding received through the University's Priority Research Innovation Project (PRIP) of \$904,500 for sport, exercise science, and active living programs in 2011. The sport program celebrated many key achievements, which included developing new research relationships with the ASC and AIS, VIS, CSIRO, Tennis Australia, German Sports

University, Aspire in Qatar, as well as strengthening relationships with Western Bulldogs and the Schools within the University. Sport science activities included data analytics in elite sport, projects in swimming, tennis, cycling and athletics, analysis of human muscle fibre characteristics with implication for muscle fatigue, smart garments in sport, genetics in sport, altitude and sport performance, and high performance sport nutrition. This sport PRIP allocation incorporated strong engagement with the Australian sport and sport science external income. Key areas of investigation in PRIP exercise science concentrated on muscle atrophy and development, gait analysis in older adults, obesity/diabetes, and recreational supplement and drug taking. These focused on co-funded positions with SES, the Faculty of Arts, Education and Human Development, and the School of Biomedical and Health Sciences. The PRIP funded ISEAL active living stream projects included the self-regulation for physical activity behaviour across the lifespan, and sport participation. Key achievements from the active living program included new projects with the ASC, and a prestigious VicHealth Fellowship to Dr Rochelle Eime (with the University of Ballarat).

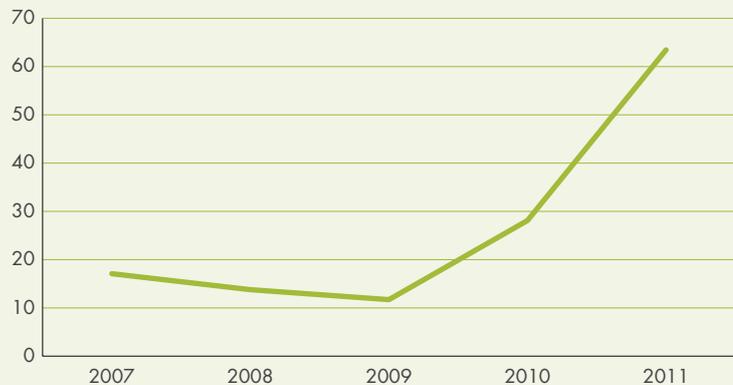
The ISEAL total outputs in 2011 comprised 10 books, 56 book chapters, 135 journal articles, 42 conference publications and 2 contract/technical reports. The HERDC accepted research outputs for 2011 were less than this, comprising 23 book chapters, 79 journal articles and 8 conference publications, as University processes meant many submissions were counted to schools or faculties rather than to ISEAL; also a significant number of publications did not meet the criteria for the fundable components of HERDC. One provisional patent application was made. Research outputs from the ISEAL senior research fellows and postdoctoral research fellows appointed in 2011 have, in numerous cases, not yet flowed through to these data sets but will strengthen outputs in 2012. ISEAL played a vital role in the preparation of the University's submission to Excellence Research Australia's (ERA) 2010 ranking exercise. The 2010 ERA report was released in 2011 and rated research in

## KEY PERFORMANCE INDICATORS

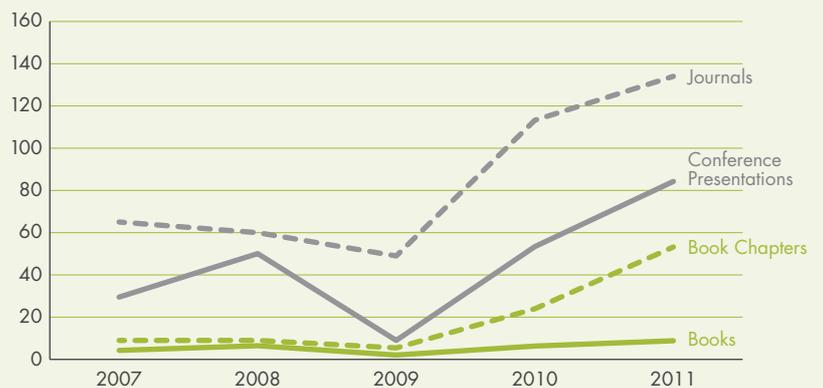
### Research Income (\$)



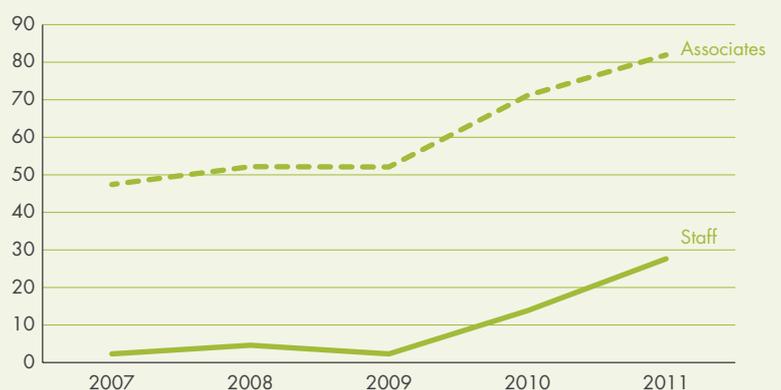
### Active Projects CARES/ISEAL



### Outputs



### Staff and Associates



the Field of Research code 1106 Human Movement and Sport Science at 3 ("at world standard").

I thank the ISEAL Director and all of the ISEAL leadership staff for their excellent, sustained and innovative work in growing and shaping ISEAL in 2011. I particularly thank our extremely hard-working Executive Officer Vi Kacevska for outstanding work in managing the large number of new appointments and managing new staff in ISEAL during 2011. We look forward to continued growth and an even sharper research focus in 2012.

### Professor Michael McKenna

Research Director  
Institute of Sport, Exercise and Active Living (ISEAL)

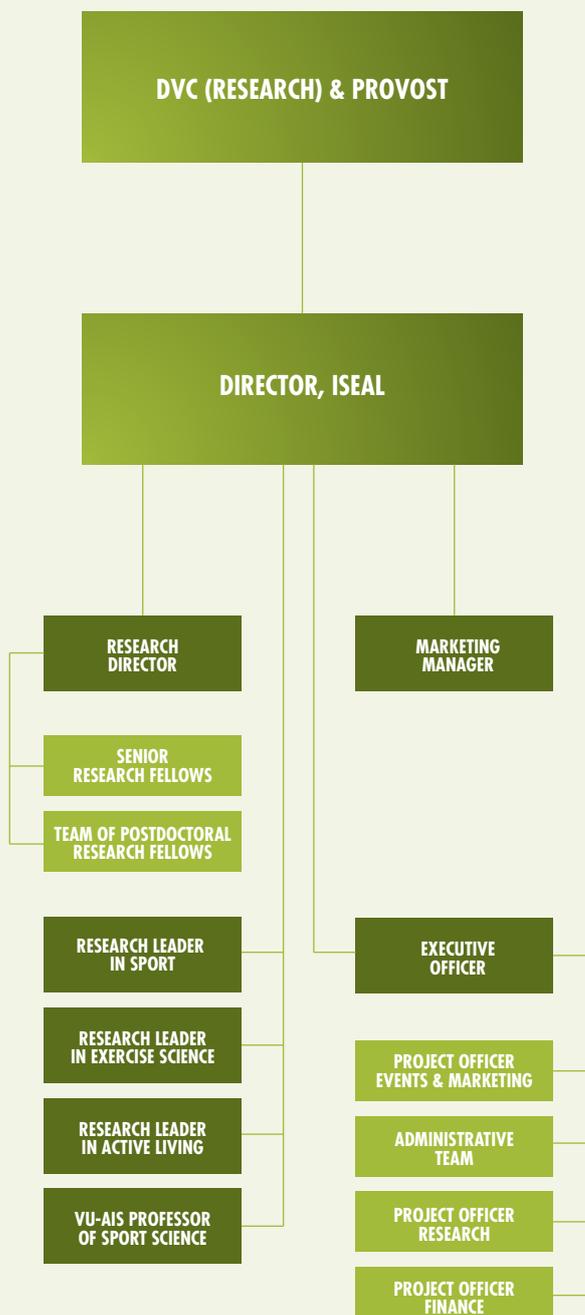
### Research Outputs

Strong growth in ISEAL research outputs also continued in 2011, including a 67% increase above 2010 outputs in books to 10, a 115% increase in book chapters to 56, a 35% increase in journal articles to 135, a 51% increase in conference presentations to 86. Thus total (unweighted) outputs were increased from 203 in 2010, to 287 in 2011, representing a growth of 41% in total research outputs.

### Projects and Staffing

Active ISEAL research projects in 2011 continued to build upon strong growth in 2010, and staff levels nearly doubled, reflecting the increased research capacity; the number of ISEAL research associates also rose slightly in 2011 to a total of 81 persons.

# ORGANISATIONAL STRUCTURE



# STAFF

## DIRECTOR

Professor Hans Westerbeek BPhysEd, MSc, MBA, PhD

## RESEARCH DIRECTOR

Professor Michael McKenna BSc (Hons), DipEd, MSc, PhD

## RESEARCH PROFESSORS

Professor David Bishop BHMS (Ed) (Hons), PhD, FAAESS, FACSM, FECSS

Professor Damian Farrow BEd, MAppSc, PhD

Professor Glenn McConell BAppSc, MSc, PhD

Professor Remco Polman CPsychol, AFBPsS, CSci, MSc, DPhil

## SENIOR RESEARCH FELLOWS

Dr Camilla Brockett BSc (Hons), PhD

Dr Rochelle Eime BAppSc (Hons), PhD

## POSTDOCTORAL RESEARCH OFFICERS AND FELLOWS

Dr Patricia Addamo BSc (Hons), PhD

Dr Lauren Banting BSc (Hons), PhD

Dr Jason Berry BAppSc (Hons), PhD

Dr Amity Campbell BSc (Hons), PhD

Dr Nir Eynon BEd, MPE, PhD

Dr Erik Hanson BA, MA, PhD, CSCS

Dr Cedric Lambole BSc, MSc, PhD

Dr Bahadorreza Ofoghi BScSE, MScAI, PhD

Dr Elissa Phillips BPhysEd, MSc (Hons), PhD

Dr Vivian Romero BA, MUrbRegPlan, PhD

Dr David Rouffet BAppSc, MSc, PhD

Dr Oren Tirosh BEd, MSc, PhD

Dr Jacqueline Williams BHlthSci (Hons), PhD

Dr Mary Zhang MD, PhD

## ADMINISTRATIVE STAFF

Ms Vi Kacevska Executive Officer

Mr Chris Rawlinson Marketing Manager

Ms Fiona Harper Administration Officer

Ms Sandra Kemives Administration Officer

Ms Cath Webster Personal Assistant

Ms Amy Carton Project Officer

Ms Polly Probert Project Officer – Research

Ms Anna Thiry Project Officer – Events & Marketing

Ms Zumana Zerín Project Officer – Finance

# RESEARCH ASSOCIATES

## Faculty of Arts, Education and Human Development

### School of Education

Dr Anthony Watt, Senior Lecturer

### School of Social Sciences and Psychology

Professor Robert Pascoe, Dean Laureate

### School of Sport and Exercise Science

Professor Mark Andersen

Dr Rob Aughey, Senior Lecturer

Dr Richard Baka, Lecturer

Dr Kevin Ball, Senior Lecturer

Professor Rezaul Begg

Dr Russell Best, Senior Lecturer

Dr Francois Billaut, Lecturer

Dr Erika Borkoles, Lecturer

Dr Suzanne Broadbent, Senior Lecturer

Ms Anne Browne, Lecturer

Dr Michael Burke, Senior Lecturer

Mr Greg Dingle, Lecturer

Mr Ian Fairweather, Scientific Officer

Dr Clare Hanlon, Senior Lecturer

Associate Professor Dennis Hemphill,  
Head of School

Dr Con Hrysmallis, Lecturer

Ms Tuire Karaharju-Huisman, Lecturer

Dr Matthew Klugman, Lecturer

Dr Itamar Levinger, Senior Lecturer

Dr Clare MacMahon, Senior Lecturer

Dr Daryl Marchant, Senior Lecturer

Dr Brent McDonald, Lecturer

Ms Gina Mendoza, Lecturer

Dr Brian Moroney, Research Fellow

Professor Tony Morris

Dr Derek Panchuk, Lecturer

Dr Aaron Petersen, Lecturer

Ms Kathy Roberts, Lecturer

Dr Harriet Speed, Senior Lecturer

Dr Nigel Stepto, Senior Lecturer

Associate Professor Bob Stewart

Dr Caroline Symons, Senior Lecturer

Dr Simon Taylor, Lecturer

Dr Carl Thomen, Lecturer

Dr John Tower, Senior Lecturer

Dr Daniel van der Westhuizen, Lecturer

Dr Janet Young, Sessional

Dr Zhu Zhang, Lecturer

## DVC (Research and Knowledge Exchange)

### Office of the PVC

#### (Research and Research Training)

Professor Warren Payne, Pro Vice-Chancellor  
(Research and Research Training)

## Faculty of Business and Law

### Office of the Executive Dean (Business and Law)

Associate Professor Anne-Marie Hede,  
Associate Dean (Research and Research  
Training)

### School of International Business

Ms Olga Junek, Lecturer

Dr Leonie Lockstone-Binney, Senior Lecturer

Dr Brianna Newland, Lecturer

Dr Leanne White, Senior Lecturer

Professor Margaret Deery

### School of Management and Information Systems

Professor John Zeleznikow

### Victoria Law School

Dr Matt Harvey, Senior Lecturer

Mr Brendon Stewart, Lecturer

## Faculty of Health, Engineering and Science

### Office of the Executive Dean (Health, Engineering and Science)

Dr Alan Hayes, Senior Lecturer

### School of Biomedical and Health Sciences

Dr Swati Baidur-Hudson, Senior Lecturer

Dr Regina Belski, Lecturer

Professor Greg Blatch, Head of School

Dr Matthew Cooke, Lecturer

Dr Nicoleta Dragomir, Research Fellow

Associate Professor Gary Fryer,  
Discipline Leader

Dr Michael Mathai, Senior Lecturer

Dr Andrew McAinch, Senior Lecturer

Dr Patrick McLaughlin, Senior Lecturer

Dr Emma Rybalka, Lecturer

Dr Samy Sakkal, Lecturer

Dr Christos Stathis, Lecturer

Professor Lily Stojanovska

Dr Brett Vaughan,  
Clinical Coordinator

### School of Engineering and Science

Dr Daniel Lai, Lecturer

Associate Professor Vincent Rouillard

Dr Thomas Yeager, Lecturer



### Faculty of Arts, Education and Human Development

#### School of Sport and Exercise Science

Ms Angela Dressler, Senior Lecturer  
 Mr Bradley Gatt, Laboratory Manager  
 Ms Kim Johnson, Lecturer  
 Ms Sonja Kiernan, Learning in The Workplace and Community Coordinator  
 Ms Jessica Meilak, Laboratory Technician  
 Mr Robert Stokes, Senior Biomechanics Laboratory Manager

### Faculty of Business and Law

#### School of International Business

Mr Martin Robertson, Lecturer

### Faculty of Workforce Development

#### School of Sport and Science

Ms Sally Harrop, Education Manager  
 Ms Jo Van Son, Head of School

### Student Services

#### Sport and Fitness

Ms Jessica Harrington, Sport Facilities Coordinator  
 Ms Rohenna Young, Sport Facilities Manager

#### Education

Ms Ashlee Marks, Sports Officer

### VU College

#### Office of Associate Director Youth

Mr Kevin Skillen, Youth Strategy Manager

Majed Alahmad  
 Muath Altarawneh  
 Areej Al-Ebeisat  
 Rabia Ashraf  
 Katie Astell  
 Tania Atanasovska  
 Melissa Attardi  
 Luke Boyd  
 James Broatch  
 Timothy Buszard  
 Alec Butfield  
 Nancy Capitano  
 Samantha Cassar  
 Michael Chiovitti  
 Ryan Christian  
 Weiliang Chung  
 Daniel Cicioni Kolsky  
 Lauren Cornall  
 Evan Coventry  
 Samuel Crane  
 Morag Croser  
 Rodrigo da Silva Fermino de Oliveira  
 Gregory Dingle  
 Thomas Eaton  
 George Elias  
 Trevor Farr  
 Fatemeh Fazel  
 Nicholas Flyger  
 Tom Forsell  
 Emma Gallaher  
 Tracey Gerber  
 Georgia Giblin  
 Joseph Gomory  
 Ralph Gotlib  
 Cesare Granata  
 Luke Grikepelis  
 Katherine Haines  
 Christopher Hedges  
 Karen Hill  
 Yet Hoi Hong  
 Melissa Hopwood  
 Deanna Horvath  
 Denise Jennings  
 Alistair John  
 Zulakbal Abd Karim  
 Thariq Khan Azizuddin Khan  
 Michael Kinchington  
 Suh-Youn Ko  
 Garry Kuan

Yee Cheng (Erica) Kueh  
 Deborah Lane  
 Christopher Lillico  
 Chelsea Litchfield  
 Daniel Loton  
 Tiffany Mann  
 Alicia Mathews  
 Cian McGinley  
 James McIntyre  
 Gina Mendoza  
 Fatemeh Miremadi  
 Mohd Nahar Azmi (Nahar) Mohamed  
 Elissa Morley  
 Erez Mosek  
 Qusai Mubaidin  
 Susan Nabbs  
 Hanatsu Nagano  
 Natalie Nemaza  
 Lannie O'Keefe  
 Lucy Parrington  
 Ben Perry  
 David Rath  
 Katie Roffey  
 Braveena Santhiranayagam  
 Melissa Sbaraglia  
 Fabio rubens Serpiello  
 Zainah Shariff  
 Simon Sostaric  
 Collene Steward  
 Katherine Sylvester  
 Simon Taylor  
 Soni John Thanikkal Kottayil  
 Stephanie Tibbert  
 Nguyen Tran  
 Adam Trewin  
 Matthew Varley  
 Emily Walker  
 Xiao Chen Wei  
 Victoria Wyckelsma  
 James Zois  
 Giovanni Zurzolo

# 2011 BUDGET – PROFIT AND LOSS STATEMENT

## INCOME

<b>External:</b>	Category 1 – National Competitive Grants		384,144
	Category 2 – Government Research Funding (Commonwealth, State and Local)		1,259,602
	Category 3 – Industry and Other Research Funding		143,012
	<b>2011 External Income:</b>		<b>1,786,758</b>
<b>Internal:</b>	Priority Research Innovation Projects (PRIP)		904,500
	Internal Grants		133,796
	Fund Distribution including JRE/RSF		127,857
	Co-investment from Schools and Faculties to support research staff:		
	– Contribution to Start Up Funds		43,200
	– Contribution to Salaries (\$635,408) <sup>(1)</sup>		-
	<b>2011 Internal Income:</b>		<b>1,209,353</b>
	<b>Total 2011 Income</b>		<b>2,996,112</b>
<b>Attributable income <sup>(2)</sup>:</b>			
	Research income <sup>(3)</sup>	410,337	
	Other income partially attributable to ISEAL <sup>(4)</sup>	237,300	
	<b>2011 Attributable Income:</b>	<b>647,637</b>	<b>-</b>
<b>2010 carry forward balance:</b>			<b>1,749,108</b>
<b>TOTAL INCOME INCLUDING 2010 CARRY FORWARD BALANCE</b>			<b>4,745,220</b>
<b>EXPENDITURE</b>			
	Consultant Fees		168,678
	Marketing		17,097
	Operations		375,750
	Research Project Consumables		104,564
	Salaries		1,950,166
	Scholarships		74,469
	Travel		212,580
<b>TOTAL EXPENDITURE</b>			<b>2,903,303</b>
<b>OPERATING RESULT:</b>			<b>1,841,917</b>

<sup>(1)</sup> Co-investment from other areas of the University funded directly by each area is over \$635,000 which comprises co-funding of 17 staff (4 professors, 11 postdoctoral researchers and the ISEAL marketing manager) as follows: School of Sport and Exercise Science (11 positions, \$375,774); Faculty of Arts, Education and Human Development (2 positions, \$46,411); School of Biomedical and Health Sciences (4 positions, \$113,039); School of International Business (1 position, \$26,742); Australian Community Centre for Diabetes (1 position, \$7,588); Office for Research (1 position, \$37,942); Marketing and Communications (1 position, \$27,910).

<sup>(2)</sup> Attributable income consists of research income or other income attributed to staff or research associates of ISEAL but received and managed by other areas of the University and the value of which is therefore excluded from calculating the overall profit and/or loss for 2011. Projects include the following:

<sup>(3)</sup> Research income: (a) Collaborative Research Network – Clinical Exercise Science and Active Living Element (total project amount: \$2.09m of University \$6.14m), amount received by Office of the Pro Vice-Chancellor (Research and Research Training) in 2011 - \$403,837; (b) Football Preparation at Altitude (total project amount: \$137,379), amount received in 2011 by the School of Sport and Exercise Science - \$6,500.

<sup>(4)</sup> Other income: Higher Education Skills Group– education and training partnership for ESS athlete development scholarship (total project amount: \$1.73m), amount received in 2011 by Faculty of Workforce Development (Vocational Education) - \$237,300.

# RESEARCH INCOME

## External Research Income

ISEAL research income grew substantially in 2011, with a total external income of \$1,786,758, representing nearly a four-fold greater income than during our inaugural year of 2010. Importantly, our 2011 Category One research funding income of \$384,144, although still relatively small, almost doubled (177%) the Category One income in 2010. This included funding from prestigious funding bodies: National Health & Medical Research Council (NH&MRC), Australian Research Council (ARC) and Diabetes Australian Research Trust (DART). The most dramatic increase in external funding in 2011 was for Category 2 funding from government sources at the Commonwealth, State and Local levels, totalling \$1,259,602; this is more than 11 times higher than funds received in 2010. Our Category 3 funding, from Industry and Other sources, remained constant in 2011 at \$143,012.

ISEAL was successful in receiving Collaborative Research Network (CRN) funding from the Australian Government. These funds for ISEAL research activities in Clinical Exercise Science and Active Living were \$403,837 in 2011, but do not appear in the ISEAL 2011 Profit and Loss statement as they were received and administered through the Office of the Pro Vice Chancellor (Research and Research Training). This CRN funding was also matched by a substantial internal co-investment from three higher education faculties, which will support considerable teaching time release for sixteen staff, commencing in 2012. This co-funding will be directed to schools rather than to ISEAL cost centres in 2012.

Other income not attributed to ISEAL but received and managed by other schools, and therefore also not included in the 2011 Profit and Loss statement, included \$273,300 project funding received by the VE School of Science and Sport in the Faculty of Workforce Development in collaboration with ISEAL, the HE School of Sport and Exercise Science and VU Sport and Health. This demonstrates the vital "value-add" of ISEAL to improving the bottom line of other VU cost centres.

## Internal Research Income

ISEAL again received \$904,500 in Priority Research Investment Project (PRIP) funding in 2011, to support its three research programs, sport, exercise science and active living. Much of this funding was directed towards new postdoctoral research fellow positions, including new staff that commenced in 2011, as well as new appointees due to commence in 2012. Considerable carry-over funding reflects the commitment to cover new staffing appointments. One major outcome of this PRIP funding was the unique partnership with the ASC, with many new ASC-VU collaborative projects underpinned by PRIP funding and matched by ASC/AIS investment. Another important development through PRIP was the co-funding by schools and faculties of many of these postdoctoral research fellows, reflecting both an increased 'whole of university' involvement in ISEAL and an increased focus in research investment and activities. ISEAL staff and associates were also successful in receiving a number of other small internal grants.



# ACTIVE PROJECTS 2011 – ISEAL EXTERNAL INCOME RECEIVED IN 2011

Project	Funding Agencies/ Industry Partners	Investigators	Funds (\$)
<b>Category 1 – National Competitive Grants</b>			
ARC Linkage LP100100324 - Improving determinants of Australian sports talent identification and development: a multi-disciplinary approach – <i>Total Project Amount: \$504,000</i>	ARC Linkage Project (Griffith University with Australian Sports Commission, Australian Football League and others)	Toohey K, Funk D, Woolcock G, McMahon C, Auld C, Farrow D	56,854
Does undercarboxylated osteocalcin involved in increase insulin-stimulated skeletal muscle glucose uptake following muscle contraction? – <i>Total Project Amount: \$58,800</i>	Diabetes Australia Research Trust	Levinger I, McConell G, Seeman E, Zebaze R, Jerums G, Selig S, Hare D	29,400
Exercise for health in women with polycystic ovary syndrome – <i>Total Project Amount: \$405,000</i>	NHMRC and Jean Hailles Foundation	Stepito N	33,700
How does nitric oxide regulate skeletal muscle glucose uptake during exercise? – <i>Total Project Amount: \$543,390</i>	NHMRC	McConell G, Rattigan S	184,390
Intelligent sensor networks in healthcare (ARC research network in biomedical engineering) – <i>Total Project Amount: \$90,725</i>	The University of Melbourne	Begg R	4,800
Promoting physical activity and wellbeing of rural and regional-living girls – <i>Total Project Amount: \$434,040</i>	ARC Linkage Project (University of Ballarat with VicHealth, Tennis Australia and others)	Payne W	75,000
<b>Total Category 1 – National Competitive Grants</b>			<b>384,144</b>
<b>Category 2 – Government Research Funding (Commonwealth, State and Local)</b>			
Analysis and review of nutritional requirements for fire-fighters – <i>Total Project Amount: \$53,911</i>	Department of Sustainability and Environment	McAinch A, O'Mahony B, Belski R, Payne W	53,911
ASC/VU collaborative projects under the strategic partnership agreement – <i>Total Project Amount: \$945,000</i>	Australian Sports Commission	Westerbeek H, McKenna M, Farrow D	440,000
Health and wellbeing project for fire lookout observers review of fitness requirement – <i>Total Project Amount: \$261,555</i>	Department of Sustainability and Environment	Petersen A, Payne W	26,155
Interactive sports garments: Part 1 - Advancing skill acquisition through the application of interactive textiles – <i>Total Project Amount: \$92,414</i>	CSIRO, Australian Institute of Sport, Australian Sports Commission	Farrow D	57,000
Investigating volunteer motives in public land management – <i>Total Project Amount: \$94,650</i>	Department of Sustainability and Environment	Whitelaw P, Lockstone-Binney L, Papadopoulos T	94,650
Participation on excellence in research Australia panel – <i>Total Project Amount: \$17,220</i>	Australian Research Council	Bishop D	17,220
Self-management of type 2 diabetes mellitus in Aboriginals and Torres Strait Islander People – <i>Total Project Amount: \$105,380</i>	Department of Health	Morris T, Crane S	47,242
Sport policy factors leading to international sporting success (SPLISS) – <i>Total Project Amount: \$159,611</i>	Australian Sports Commission	Westerbeek H, Hemana C	38,876
Sport sector literature reviews and research gap analysis – <i>Total Project Amount: \$180,000</i>	Australian Sports Commission	Westerbeek H, Polman R, Farrow, D	180,000
Task based assessment coordinator training for fire-fighters – <i>Total Project Amount: \$11,271</i>	New South Wales Office of Environment & Water	Payne W, Petersen A	11,271
The effects of B-alanine on performance in elite swimmers – <i>Total Project Amount: \$40,900</i>	Australian Institute of Sport	Bishop D, Burke L, Saunders P	20,900
Towards 2016: Developing an enduring sport science education and research partnership between Australia and Brazil – <i>Total Project Amount: \$24,400</i>	Council on Australia Latin America Relations (COALAR)	Bishop D	2,650
Validation of "playing for life" philosophy for children aged 5-12 years old. Expression of interest – <i>Total Project Amount: \$192,056</i>	Australian Sports Commission	Farrow D, Polman R, Watt A, Konjarski L	145,510
VU/AIS Professor in Sport Science – <i>Total Project Amount: \$997,007</i>	Australian Institute of Sport	Westerbeek H, McKenna M, Hemphill D	124,217
<b>Total Category 2 – Government Research Funding (Commonwealth, State and Local)</b>			<b>1,259,602</b>

Project	Funding Agencies/ Industry Partners	Investigators	Funds (\$)
<b>Category 3 – Industry and Other Research Funding</b>			
(1) Children are not little adults! The influence of task and equipment scaling for children learning motor-skills and (2) What a coach can see and an athlete can feel – Total Project Amount: \$27,000	Tennis Australia	Farrow D, Buszard T, Giblin G	27,000
Adaptation and tolerance to high intensity intermittent training: Is cold water immersion favourable – Total Project Amount: \$10,000	Exercise and Sports Science Australia	Broatch J, Bishop D	10,000
ASC/VU strategic partnership workshop – Total Project Amount: \$15,000	ASC/AIS	ASC/AIS and ISEAL staff	15,000
Austraining International - endeavour research host organisation contribution – Total Project Amount: \$1,500	Austraining International	Bishop D	1,500
FITsai: Futsal training to improve the health of middle-aged pre-diabetic individuals – Total Project Amount: \$31,539	FIFA	Serpiello F, Bishop D, McKenna M, Stepto N, Aughey R	24,041
Improving function in cerebral palsy through movement imagery training – Total Project Amount: \$41,321	L.E.W. Carty Charitable Fund	Williams J, Reddihough D, Reid S (Royal Children's Hospital), Wilson P (RMIT University)	41,321
Treating obesity-related movement restrictions in clinically obese adolescents to improve their metabolic, physical, and mental health – Total Project Amount: \$24,150	The Jack Brockhoff Foundation	Broadbent S, Borkoles E, Karaharju-Huisman T	24,150
<b>Total Category 3 – Industry and Other Research Funding</b>			<b>143,012</b>
<b>VU Priority Research Innovation Projects (PRIP)</b>			<b>904,500</b>
<b>Internal Grants</b>			
Brain and behaviour assessment system – Total Project Amount: \$65,000	VU RIBG	Polman R, Morris T, McKenna M, Williams J, Billaut F, Rouffet D, Addamo P, Marchant D, Panchuk D, Farrow D	65,000
Developing a model to measure how China and Australia use major sporting events to develop their sport tourism industries – Total Project Amount: \$10,000	VU Seed Grant	Westerbeek H, Newland B	10,000
Motor imagery ability: A predictor of movement planning and online movement control skills? Toward an understanding of motor skill impairment – Total Project Amount: \$18,796	VU Near Miss Grant	Williams J	18,796
Regulation of skeletal muscle glucose uptake during contraction by nitric oxide – Total Project Amount: \$20,000	VU Near Miss Grant	McConell G	20,000
The effects of B-alanine on performance in elite swimmers – Total Project Amount: \$40,900	VU Out-of-Cycle Grant	Bishop D, Burke L, Saunders P	20,000
<b>Total Internal Grants</b>			<b>133,796</b>
<b>Fund Distribution including JRE/RSF</b>			<b>127,857</b>
<b>Co-investment from Schools and Faculties to support Postdoctoral Researchers</b>			<b>43,200</b>
<b>Grand Total</b>			<b>2,996,112</b>

## ISEAL ACTIVE PROJECTS (FUNDING NOT RECEIVED IN 2011)

Project	Industry Partners	Investigators
<b>Category 1 - National Competitive Grants</b>		
Physical Activity Research Practice Fellow 2011-2014 - Dr Rochelle Eime – Total Project Amount: \$600,000	VicHealth	Eime R
The influence of context on player attitudes to drugs – Total Project Amount: \$114,088	ARC Linkage Project (Australian Drug Foundation and Turning Point Drug Centre)	Stewart B, Smith A (College of Business at RMIT University)
<b>Category 2 - Government Research Funding (Commonwealth, State and Local)</b>		
Clearing hurdles: Women in elite sports leadership – Total Project Amount: \$60,000	Sport and Recreation Victoria	Symons C, Marchant D
Women and leadership participation issues in adolescent girls' basketball – Total Project Amount: \$878,555	Sport and Recreation Victoria	Symons C, Marchant D
<b>Category 3 - Industry and Other Research Funding</b>		
Assessment of frictional characteristics of shoes during locomotion in healthy young adults – Total Project Amount: \$12,000	ASICS Oceania Pty Ltd	Begg R, Sparrow W, Nagano H
Could impaired mitochondrial respiration be an underlying cause of chronic fatigue syndrome? – Total Project Amount: \$87,517	The Mason Foundation	Bishop D, McKenna M
Health benefits of long-term strength training in patients with chronic kidney disease – Total Project Amount: \$50,000	L.E.W. Carty Charitable Fund	Petersen A, McMahon L (Box Hill Hospital), Russell A (Deakin University)
Molecular and gene characteristics skeletal muscle in patients with osteoarthritis – Total Project Amount: \$41,811	L.E.W. Carty Charitable Fund	Levinger P, Levinger I, McKenna M, Feller J
Protein supplementation for enhanced decision making and skill performance in team sports - Phase 1 – Total Project Amount: \$20,000	Nestlé (Musashi)	Stepro N
Providing an evidence-based model for non-preferred kicking skill development – Total Project Amount: \$9,600	Australian Football League	Farrow D, Ball K
Skill acquisition coach education – Total Project Amount: \$12,000	Australian Sports Commission	Farrow D, Gorman A, Shuttleworth R
Study of exercise in patients with diastolic dysfunction and type 2 diabetes mellitus – Total Project Amount: \$45,147	Helen Macpherson Smith Trust	Levinger I, Selig S, Jerums G, Seeman E, Zebaze R, Hare D
Thermoskin thermal support research project – Total Project Amount: \$36,633	United Pacific Industries	Petersen A, McKenna M
Towards the development of a novel portable golf trainer system using new sensor technology – Total Project Amount: \$29,387	Victorian Partnership in Advanced Computing	Lai D, Chen X, Hetchl M
<b>ASC/VU Strategic Partnership Collaborative Projects</b>		
A multi-modal data analytics approach to enhance decision making in high performance tennis – Total Project Amount: \$195,354	ASC/VU, Tennis Australia	Morgan S, Reid M, Zeleznikow J
Competition at altitude – performance decrement and time course of adaptation – Total Project Amount: \$130,500	ASC/VU, AIS, ASPIRE Academy of Sport Qatar, University of Bayreuth	Aughey R, Gore C, Bishop D, Billaut F, Stepto N, Pyne D, Stathis C, Schmidt W, Panchuk D, Bourdon P, Buccheit M, Mendez-Villanueva A, Spilevogel H, Varges E
Effects of beta-alanine supplementation in elite female hockey players, and potential mechanisms of action – Total Project Amount: \$75,000	ASC/VU	Bishop D, Burke L, Rechichi C, Chung W, Derave W, McAinch A, Stathis C
Evaluating neuromuscular power and fatigue resistance in olympic sprint cyclists (Track and BMX): Combining emerging technology with contemporary methodology – Total Project Amount: \$36,000	ASC/VU	Rouffet D, Martin D, Billaut F, Brown N, Martin J, Dwyer D, Osborne M, Ebert T, Flyger N, Kolosky D, Fairweather I, Stokes R
Interactive sports garments: Part 2 - Understanding the role of feedback technology in the daily training environment – Total Project Amount: \$186,000	ASC/VU	Farrow D
Senior Research Fellow in Sport Participation – Total Project Amount: \$414,941	ASC/VU	Hemana C, Polman R, Westerbeek H, McKenna M

Project	Industry Partners	Investigators
Sport spatial mapping and data analysis – Total Project Amount: \$152,463	ASC/VU	Eime R, Polman R, Tower J, Hanlon C, Hemana C, Lu S, Harvey J, Sawyer N, Thompson H
Sporting success: A longitudinal study of sport participation pathways – Total Project Amount: \$305,070	ASC/VU, Gymnastics Australia	Polman R, Borkoles E, Farrow D, Gulbin J, Berry J, Fritsch M, Clark C, Carroll R
Taking the plunge: does hydrotherapy help or hinder recovery from resistance training? – Total Project Amount: \$48,000	ASC/VU	Petersen A, Argus C, Polman R, Meeusen R, Billaut F
Internal Grants		
Catch me if you can! Ventral and dorsal stream integration in the performance of interceptive actions – Total Project Amount: \$28,953	VU RDGS	Panchuk D, Davids K (QUT), MacMahon M
Compression garments and recovery in elite Australian Rules Football players: From the laboratory to the field – Total Project Amount: \$12,000	ISEAL	Aughy R, Varley M
Development of a new system to optimise performance and reduce the risk for injuries in cycling – Total Project Amount: \$29,997	VU RDGS	Rouffet D, Begg R, Havinga P (Department of Computer Science / Pervasive Systems, University of Twente), Marin-Perianu S (Interia Technology B.V.)
Does intermittent hypoxic training attenuate cerebral deoxygenation during strenuous exercise – Total Project Amount: \$28,600	VU RDGS	Billaut F, Subadhi, Gore M, Bishop D
Exploration of the neuro-mechanical factors of performance in cycling – Total Project Amount: \$16,126	VU Out-of-Cycle Grant	Rouffet D, Schneider S, Billaut F, Stokes R, Dwyer D, McKenna M
Is the activity level of the brain when imagining movements related to how well we can imagine and perform movement? – Total Project Amount: \$17,828	VU RDGS	Williams J, Holmes P, Pearce A, Morris T
Reducing functional decline through increasing physical activity in children with Cerebral Palsy – Total Project Amount: \$8,440	VU RDGS	Morris T
Understanding the neurocognitive basis of motor skill impairment in children – Total Project Amount: \$29,833	VU RDGS	Williams J, Egan G, Wilson P



## SPORT



### Professor David Bishop

Research within ISEAL will expand the body of knowledge that helps an individual athlete, team or sport-related business improve their performance, while also enhancing a critical understanding of the social, cultural and ethical dimensions associated with sport. Our main goals for the sport research program in 2011 were to establish the key areas of research strength and focus, and to facilitate the establishment of research teams, grant applications and partnerships around these key areas. This is underway and will be the focus of increased efforts in 2012.

As part of our mission to be a world-leading research institute in the area of sport, we established research collaborations with a number of world-renowned institutes. Most notably, we became the only university in Australia to sign a research agreement with the ASC and the AIS. Important collaborations were also established with The University of Ghent, Victorian Racing, Aspetar and Aspire in Qatar, Sheffield Hallam University and The University of Nagoya.

In addition to many conference presentations by ISEAL associates, Dr Kevin Ball, Professor Mark Andersen, Professor Damian Farrow, Dr Bahador Ofoghi, Professor John Zeleznikow and myself gave invited talks at international conferences.

In addition, Dr Clare MacMahon spent two-and-a-half months respectively at the German Sport University in Cologne, and Wilhelm's Westfalische University in Muenster. Dr Francois Billaut visited the laboratory of Dr Andrew Subudhi in the USA, and Professor Damian Farrow completed a six-week research exchange at the French Institute of Sport (INSEP). The number of international researchers from Brazil, Italy, China, Belgium, Wales and Hong Kong who visited the Institute further highlights the growing international reputation of ISEAL.



### VU-AIS Professor of Sport Science, Damian Farrow

2011 proved to be a landmark year in the collaborative partnership between Victoria University and the ASC. Then ASC CEO Professor Peter Fricker and VU Vice Chancellor Peter Dawkins signed an official agreement in May. The partnership was energised with \$880,000 in collaborative seed funding. A July workshop between VU ISEAL associates, AIS and ASC staff was used to shape discussion on strategic research directions and themes.

The joint steering committee, comprising three members from each organisation, met on two occasions in 2011 to formalise the shared strategic directions of both organisations and then later, to determine research funding allocations. Fifteen activity schedules emerged from the ensuing research funding process, which required members to formulate collaborative, multi-disciplinary projects that best reflected the unique elements of the partnership and most closely met the strategic directions of both organisations. The research areas funded represented a diversity of key themes and included: understanding the role of feedback technology in the daily

training environment, a longitudinal study of sport participation pathways, spatial mapping and data analysis of sport, a multi-modal data analytics approach to enhance decision making in high performance tennis, examining competition at altitude, the role of hydrotherapy in recovery from resistance training, and an evaluation of neuromuscular power and fatigue resistance in Olympic sprint cyclists. All projects are in various stages of completion with the global aim being to significantly contribute to scientific literature and applied practice.

A number of joint positions are also evidence of the depth of collaboration between the two organisations. As Professor of Sports Science, I am responsible for the daily management of the partnership, whilst Senior Research Fellow, Dr Camilla Brockett, manages the ASC's contribution to the internationally established Sport Policy factors Leading to International Sporting Success (SPLISS) project. Pleasingly, a number of the collaborative research proposals that were submitted also involved other organisations such as Tennis Australia, Gymnastics Australia and the CSIRO.

## EXERCISE SCIENCE



### Professor Glenn McConnell

The goal for ISEAL's exercise science program in 2011 was to expand its personnel and increase impact in relation to grants and publications. We also placed a major emphasis on building, focusing and strengthening our research effort. We welcomed major Commonwealth Collaborative Research Network (CRN) grant funding to enable appointments of new postdoctoral staff, PhD student scholarships, and VU staff teaching time release, in collaboration with the University of Melbourne. Funding will support three postdoctoral research fellows in ISEAL (two in clinical exercise science), three PhD scholarships (one in clinical exercise science) and significant teaching time release for sixteen staff, through support from the Faculty of Arts, Education and Human Development, Faculty of Health Engineering and Science, School of Exercise Science (SES) and School of Biomedical and Health Science (SBHS).

We also saw the arrival of PRIP funded postdoctoral staff, co-funded by SES and SBHS, as well as a NHMRC grant (2011-2013), which enabled the appointment of a further postdoctoral fellow. These postdoctoral

staff have significantly added to the strength of the research staff in exercise science to build a critical mass unsurpassed in the Southern Hemisphere.

In 2011, we marked the opening of the Western Centre for Health, Research and Education (WCHRE) including the new Australian Institute of Musculoskeletal Science (AIMSS) at Sunshine Hospital, a joint venture between Western Health, the University of Melbourne and Victoria University. ISEAL's collaborations will be very important in building the strength, competitiveness and impact of VU's clinical exercise science research. Many of the CRN projects fit well with AIMSS and have already been a major area of collaboration. The strategic positioning of my joint appointment with SBHS has been important in increasing participation of the School in ISEAL.

In 2012, the exercise science program aims to have its members working in key research areas of strength to produce a focused, co-ordinated effort that will increase our profile in several well-defined research areas.

## ACTIVE LIVING



### Professor Remco Polman

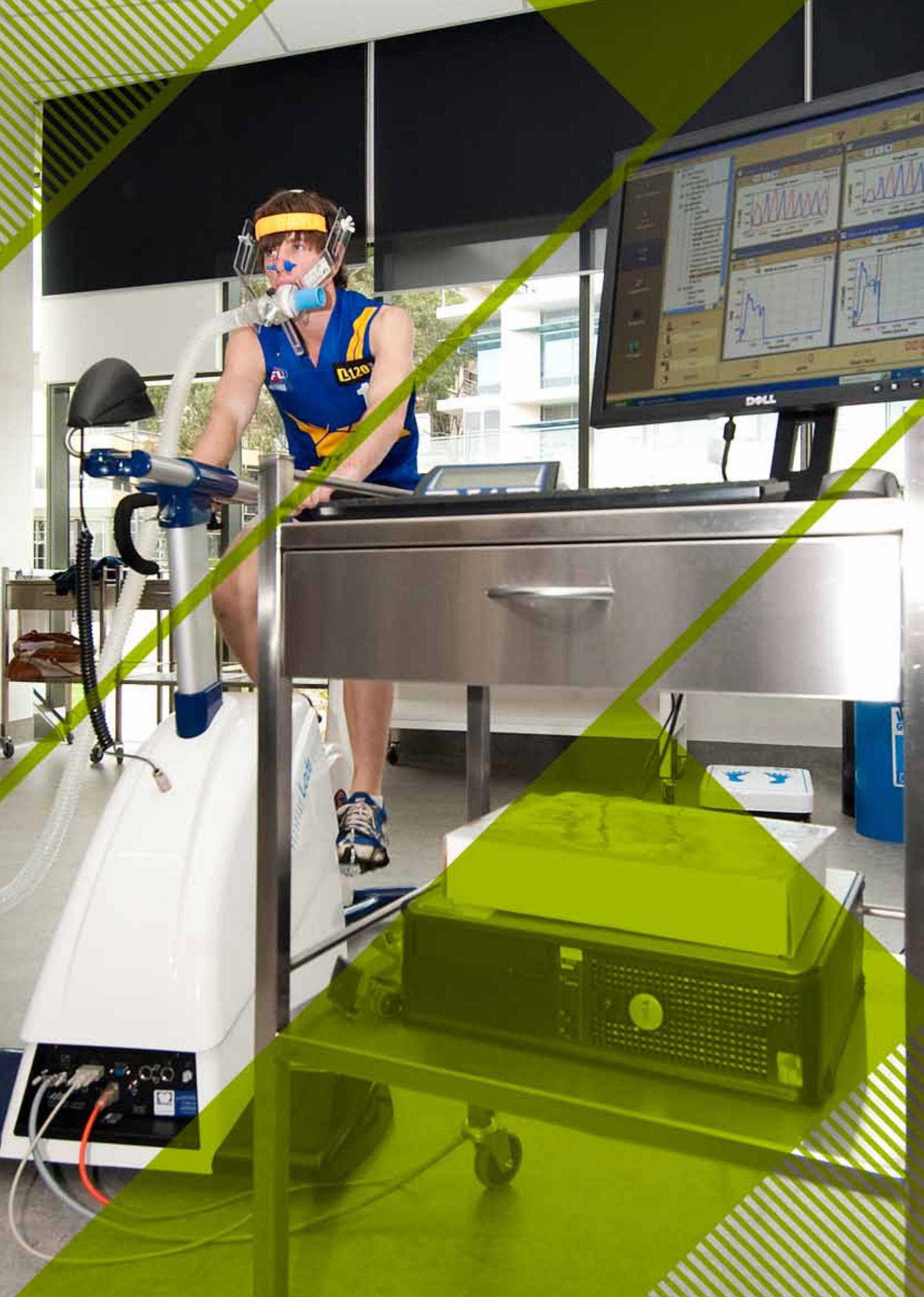
Our main aim in 2011 was to develop the key research areas for active living, get a number of projects underway, increase staffing, and develop internal and external relations with relevant stakeholders. These aims have all been achieved.

In 2011, we appointed three postdoctoral staff to the active living program: Dr Lauren Banting (CALD communities), Dr Patricia Addamo (ageing) and Dr Vivian Romero (parental role modelling). The active living team was successful in obtaining internal research funding (three grants from the Researcher Development Grant Scheme and Research Infrastructure Block Grant) to kick-start projects, as well as several external grants including Beyond Blue, Collaborative Research Network, and tenders, most notably from the ASC (evaluation of Play for Life and literature reviews). The team presented their research at a number of leading national and international conferences: Asics Conference of Science and Medicine in Sport (Perth), European College of Sport Science Congress (Liverpool), International Society for Behavioural Nutrition and Physical Activity Meeting (Melbourne) and Motor Control and Human Skill Conference (Perth). We also developed important external links,

in particular with Alzheimer Australia, NARI, Wyndham City Council, Moonee Valley City Council and Diabetes Victoria.

Our research focus in 2011 was self-regulation in the adoption and maintenance of physical activity, exercise or sport participation across the life span. Its determinants (barriers/facilitators) were also explored. In partnership with Beyond Blue, we commenced a major research project to identify the relationships between mental health, wellbeing, sport, and physical education participation in same sex attracted and gender questioning (SSAGQ) youth in Victoria. Data gathered will drive improvements in prevention and early intervention for mental health problems, with a view to change sport and physical education participation policies and practices. Two literature reviews for the Australian Sports Commission examined 'sport and education' and 'sport participation'.

In 2012, our goal is to increase the number of staff and associates working within active living, procure more funding and grow our publication outputs.



# ISEAL KEY PARTNERSHIPS AND COLLABORATIONS

## VICTORIAN

- SportWest – major collaboration in Melbourne’s western suburbs focussed on sport research, education, elite performance and events.
- Western Bulldogs
- Centre for Health, Research and Education (CHRE) – \$52m building located at Sunshine Hospital shared between VU, Western Health and University of Melbourne
- Australian Institute of Musculoskeletal Science (AIMSS) – located within CHRE shared between VU, Western Health and University of Melbourne
- Victorian Institute of Sport
- Maribyrnong Sports Academy
- VicHealth

## NATIONAL

- Strategic Partnership and research with Australian Sport Commission and Australian Institute of Sport
- Research with a range of national sporting organisations including the AFL, Tennis Australia and Cycling Australia
- Diabetes Australia Research Trust (DART)
- Musashi

## INTERNATIONAL

- University of Western Ontario, London, Canada
- German Sport University, Cologne, Germany
- New Zealand Institute of Sport, Auckland, Wellington & Christchurch
- Biwako Seiki Sport College
- INSEP – French Institute of Sport
- Free University of Brussels – SPLISS project
- ASPIRE Academy of Sport, Qatar
- FIFA

# MARKETING AND COMMUNICATIONS REPORT

2011 was an exciting year for ISEAL from a local, national and international perspective in relation to its marketing activities. Although ISEAL did not have a marketing manager in the first half of 2011, ISEAL proactively promoted agreements, events or the unit’s capacity. ISEAL’s unique capability and capacity was distinctly communicated whilst still maintaining strong association to its parent organisation Victoria University. Throughout the second half of 2011 a lot of work was done towards creating a suite of marketing tools that were innovative, cutting edge, market-leading, and market driven, whilst staying within broad University communication guidelines.

We introduced and promoted new ISEAL branding tools in the form of logos and colour palettes. This was segmented and targeted to create internal and external communication materials/identities that could be utilised throughout all marketing communications in 2011 and into 2012.

From an online perspective we focussed on addressing issues with our web content and layout, which was a challenging task, trying to position ourselves in a way that fulfilled the needs of our target audience whilst remaining within the confines of the greater Victoria University site.

With online presence being of the utmost importance, we also launched a comprehensive social media strategy targeting

Facebook, Twitter and LinkedIn to promote our work. With strong growth in this area throughout 2011 we also achieved take-up by academics who started to see this as a valuable method of communication.

There was a new newsletter launched in December 2011, which was redesigned to fit with new ISEAL branding logos and colour palettes. This continued the standardised brand presence approach that we were striving for, to communicate our core values of innovation etc. This newsletter had the same look and feel as the first ISEAL annual report (2010), with brand consistency evident throughout; we received positive feedback on the design and content of the publication.

Our external promotion also needed tools to convey our message of being a commercially competitive entity avoiding negative assumptions about University research being boring or not market driven. To that end we also produced a glossy capability brochure.

We had significant media outputs during 2011 with solid relationships built with members of Victoria University’s Public Affairs department, resulting in real synergy between ISEAL marketing, academics and members of public affairs. This included outputs promoted via Channel 9, ABC TV, various ABC radio stations, The Age, The Herald Sun, The Australian and numerous online agencies. Because of this volume, it became apparent

that ISEAL also needed to better collect this valuable data, leading to obtaining Media Monitor access to properly collect outputs for the 2012 annual report.

We received numerous international presenters, including Dr Craig Goodman from the University of Wisconsin-Madison (Mechanically-Induced Skeletal Muscle Hypertrophy and Protein Synthesis) and Associate Professor, Niels Ortenbald from the University of Denmark (What I am talking about, when I am talking about glycogen: The role of glycogen localization on skeletal muscle E-C coupling). With an eye to the future, ISEAL also began developing relationships with other international universities such as Loughborough University (UK) with invited presenter, Professor Stuart Biddle conducting a seminar on ‘Walkin’ blues: Sedentary behaviour of young people’. Seminars were and are seen as a valuable tool, not only for knowledge transfer but also building relationships with other institutions.

2011 was a good foundation year where we put plans and strategies in place to sell and promote ISEAL, and in doing so, highlight the research excellence of Victoria University.

**Chris Rawlinson**  
Marketing Manager - ISEAL

# MAJOR NEWS AND EVENTS OF 2011

2nd International Symposium For Collaboration In Research, Teaching And Exchange Hosted by Victoria University – Victoria University, German Sport University and University of Western Ontario	7-9 April 2011
Australian Sports Commission And Victoria University Strategic Partnership Signing	15 April, 2011
Towards 2016: Brazil Symposium Hosted by Victoria University– Victoria University, Brazilian Olympic Committee, University of Alagoas (Brazil) and University of Sao Paulo (Brazil)	20 April 2011
Sport and Learning Precinct Launch (ISEAL)	24 June 2011
ASC/AIS, VU Partnership Workshop	26-27 June 2011
Dutch High Performance Delegation Visit – Nationwide tour of Australian Sport Hosted by ISEAL	27 August – 4 September 2011
RAAF-AIS-VU Coaching and Science Exchange	29-30 August 2011
SportWest – Sport And The Melbourne Economy Symposium hosted by Victoria University	2 December 2011

## We have a Winner

John Wardle Architects won a Victoria Architecture Award, in the category of New Public Architecture, for VU's Learning Commons & Exercise Sports Science Project, the home of ISEAL.

The award jury said, "This project provides an accomplished lesson in the quality that is achievable within contemporary building practice. As universities compete for recognition on the local and international stage, Victoria University aimed to develop this project as a world leader in the field of sports science and biomechanics. The project inspires and celebrates both athletes and researchers alike".

JVA set out to create a significant feature in this post-industrial heartland of Melbourne; its place in the vanguard of the West's progression has become a compelling story of this building.

Like an ancient city wall, the building walks a line along a gentle escarpment at the edge of the campus; its energetic geometry characterising the activities behind the walls. The breaks and shifts in the building's envelope give pause and moments to the functions within. A variegated zinc cladding pattern creates a colour field that changes appearance under different lighting conditions.

## VU Links Arms with Country's Peak Sporting Bodies

In April 2011 VU signed a strategic partnership with the AIS and the ASC. An important part of the long-term partnership was and is the establishment of jointly funded research positions such as the appointment of Professor Damian Farrow, funded by the AIS and VU and Senior Research Fellow Dr Camilla Brockett, who is researching international sport policy factors that lead to international sporting success.

"Joint appointments and scholarships are good examples of increased collaboration between our organisations to bring together the best of academia and the sport industry

at large," said ISEAL Director Professor Hans Westerbeek.

"At VU through ISEAL we now have in place world-class facilities for the study of high performance sport, with other strong education and research programs in exercise science, active living and sport management. Our partnership with the ASC and AIS means we can each extend our reach into a broader range of activities that will help bring greater participation in and enjoyment of sport and recreation to all Australians."

Phil Borgeaud, Acting Director of the AIS, said the partnership would cement and extend the work already being conducted by the two organisations.

"We already have a number of joint projects up and running, and through this valuable partnership we look forward to a future of increased research collaboration and exchange, for the benefit of Australian sport and the broader community," Mr Borgeaud said.

Collaborative research projects include:

- Causes of fatigue in cycling
- How nutritional supplements can enhance athletic performance
- How "interactive" fabrics worn as sleeves or leggings can improve kicking or goal shooting in a variety of sports (with CSIRO)
- Which pathways to elite sport best serve the needs of elite athletes

## VU Sporting Stars

On 19 June 2011, VU was featured on Channel Nine's TV show – TAC Cup Futures, demonstrating that the research conducted within ISEAL has great media interest due to its subject matter. Filming for the segment took place at ISEAL's home at the Footscray Park Campus. VU researchers involved were: Dr Kevin Ball, Dr Rob Aughey, Professor Damian Farrow, Professor Michael McKenna, Dr Elissa Phillips and Dr Derek Panchuk.

Topics included: exercise physiology, a walk through the Altitude Hotel, biomechanics

kicking project, and skilled performance AFL footy test. Also involved were six football players from the Western Jets who helped demonstrate the state-of-the-art equipment at VU.

## It's Official

The Honourable Alex Chernov, AO, QC, Governor of Victoria, officially opened Victoria University's Sport and Learning Precinct at Footscray Park Campus on 24 June. Vice-Chancellor Professor Peter Dawkins said the new facilities exemplified the University's commitment to providing excellence in education and research to the western region of Melbourne.

"We already have a reputation as a national leader in sport, exercise science and active living. The new labs and learning spaces will enable the university to become a world leader in these areas."

University Librarian Ralph Kiel said the learning commons, with its open plan and wide variety of formal and informal learning spaces, placed the university at the forefront of student-centred education. On the day, Western Bulldogs players Brian Lake, Jason Tutt and Matthew Panos joined Western Jets TAC Cup players in a demonstration of heat chamber exercises. The young Jets footballers were fitted with "smart leggings" developed by the CSIRO to test their kicking skills and took part in an interactive multimedia skills development test in demonstrations of the cutting edge sports science technology available in the \$68.5 million facility.

ISEAL Director, Professor Hans Westerbeek said, "Athletes are just some of those who will benefit from the world-class facilities here. Our researchers are already working on a range of projects addressing health and wellbeing, rehabilitation and fitness, as well as the science of competitive sports."

The opening ceremony was also addressed by the Commonwealth Minister for Health and Ageing, Nicola Roxon.



# CONFERENCE ATTENDANCE AND INVITED LECTURE HIGHLIGHTS OF 2011



Conference Name	Attendees	Location	Start Date
Australian Grand Slam Coaches' Conference	Prof Damian Farrow (Presented)	Melbourne, Australia	13/01/2011
AFL Level 2 Players/Coaches Course	Prof Damian Farrow (Presented)	Melbourne, Australia	17/01/2011
AFL National Coaching Conference	Dr Kevin Ball (Presented)	Melbourne, Australia	28/01/2011
Council for Australian University Tourism and Hospitality Education National Conference	Dr Leanne White (Presented)	Adelaide, Australia	08/02/2011
International Congress of Sport and Physical Fitness	Prof Mark Andersen (Presented)	Tehran, Iran	16/02/2011
Exercise and Sports Australia Victoria Research Series	Dr Itamar Levinger (Presented)	Melbourne, Australia	23/03/2011
International Congress on Enhancement of Physical Activity of Children and Youth	Prof Tony Morris (Presented)	Vuokatti, Finland	07/04/2011
FILEX Convention	Ms Rohenna Young (Attended) Dr Richard Baka (Attended)	Sydney, Australia	15/04/2011
Australian Council for Health, Physical Education and Recreation International Conference	Dr Janet Young (Presented) Ms Kathy Roberts (Attended)	Adelaide, Australia	18/04/2011
Australasian Podiatry Conference	Dr Patrick McLaughlin (Attended) Dr Pazit Levinger (Presented)	Melbourne, Australia	26/04/2011
Track Sprint Cycling, VIS: Preparation to Junior World Championships	Dr David Rouffet (Tested)	Melbourne, Australia	01/05/2011
International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Biennial Congress	Dr Pazit Levinger (Presented)	Rio De Janeiro, Brazil	15/05/2011
Australasian Skill Acquisition Research Group Workshop	Dr Derek Panchuk (Presented)	Hong Kong, Hong Kong	23/05/2011
World Congress on Science and Football	Dr Kevin Ball (Presented) Dr Derek Panchuk (Presented)	Nagoya, Japan	26/05/2011
North American Society for Sports History Annual Conference	Assoc Prof Rob Hess (Presented) Dr Matthew Klugman (Presented)	Texas, USA	27/05/2011



Conference Name	Attendees	Location	Start Date
American College of Sports Medicine Annual Meeting	Dr Francois Billaut (Presented) Prof Glenn McConell (Presented) Dr Matthew Cooke (Presented)	Denver, USA	31/05/2011
North American Society for Sport Management Conference	Dr Brianna Newland (Presented) Dr Richard Baka (Presented)	Ontario, Canada	01/06/2011
International Conference on Artificial Intelligence and Law	Prof John Zeleznikow (Presented)	Pennsylvania, USA	06/06/2011
World Congress on Menopause	Prof Lily Stojanovska (Presented)	Rome, Italy	08/06/2011
International Conference on Business Information Systems	Prof John Zeleznikow (Presented)	Poznan, Poland	15/06/2011
International Society for Behavioural Nutrition and Physical Activity Annual Meeting	Dr Erika Borkoles (Attended) Dr Lauren Banting (Presented) Dr Rochelle Eime (Presented) Prof Remco Polman (Presented) Dr Caroline Symons (Presented) Prof Warren Payne (Presented)	Melbourne, Australia	15/06/2011
Cardiac Arrest and Sudden Death Conference	Prof Michael McKenna (Presented)	Copenhagen, Denmark	16/06/2011
Developmental Coordination Disorder International Conference	Dr Jacqueline Williams (Presented)	Lausanne, Switzerland	23/06/2011
Sport Business World Summit	Prof Damian Farrow (Presented) Ms Gina Mendoza (Attended) Prof Hans Westerbeek (Presented)	Sydney, Australia	27/06/2011
International Society of Biomechanics in Sports Conference	Dr Kevin Ball (Presented)	Porto, Portugal	27/06/2011
Advancing the Social Science of Tourism Conference	Ms Olga Junek (Presented)	London, UK	28/06/2011
Japanese Studies Association of Australia Conference	Dr Brent McDonald (Presented)	Melbourne, Australia	04/07/2011

## CONFERENCE ATTENDANCE AND INVITED LECTURE HIGHLIGHTS OF 2011 (CONT.)

Conference Name	Attendees	Location	Start Date
Biennial Conference of the Australian Society for Sports History	Dr Matthew Klugman (Presented) Dr Leanne White (Presented)	NSW, Australia	05/07/2011
European College of Sports Science Annual Congress	Dr Erika Borkoles (Presented) Prof David Bishop (Presented) Prof Remco Polman (Presented)	Liverpool, UK	06/07/2011
Pacific Asia Conference on Information Systems	Prof John Zeleznikow (Presented)	Brisbane, Australia	07/07/2011
International Sociology of Sport Association World Congress	Dr Brent McDonald (Presented)	Havana, Cuba	10/07/2011
European Congress of Sport Psychology	Prof Tony Morris (Presented)	Madeira, Portugal	12/07/2011
Biennial Conference of the Australasian Centre for Italian Studies	Dr Matthew Klugman (Presented)	Melbourne, Australia	13/07/2011
Australian Cycling Workshop	Prof Damian Farrow (Presented)	Adelaide, Australia	19/07/2011
Histories of Sexuality Conference	Dr Caroline Symons (Presented) Dr Matthew Klugman (Presented)	Newcastle, Australia	21/07/2011
Tennis Australia High Performance Coaches Conference	Prof Damian Farrow (Presented)	Melbourne, Australia	28/07/2011
Sport and the Pacific Region: Cross Cultural Currents III	Assoc Prof Rob Hess (Presented)	Noumea, New Caledonia	13/08/2011
World Congress of Philosophy of Law and Social Philosophy	Prof John Zeleznikow (Presented)	Frankfurt, Germany	15/08/2011
Cancer Research Initiative of South Africa Workshop	Prof Greg Blatch (Presented)	Cape Town, South Africa	16/08/2011
Can Fit Pro International Fitness Conference	Dr Richard Baka (Attended)	Toronto, Canada	17/08/2011
The Future of Fatigue - Defining the Problem Symposium	Dr Francois Billaut (Presented)	Bathurst, Australia	22/08/2011
Asia Pacific Congress on Sports Technology	Prof Michael McKenna (Presented)	Melbourne, Australia	28/08/2011
RAAF Skill Learning Workshop	Prof Damian Farrow (Presented)	NSW, Australia	29/08/2011
IEE Engineering in Medicine and Biology Society Annual International Conference	Prof Rezaul Begg (Presented)	Boston, USA	30/08/2011
Australian and New Zealand Orthopaedic Research Society Annual Scientific Meeting	Dr Pazit Levinger (Presented)	Brisbane, Australia	01/09/2011
Australian and New Zealand Bone & Mineral Society Annual Scientific Meeting	Dr Itamar Levinger (Presented)	Gold Coast, Australia	04/09/2011
European Association for Sport Management Conference	Prof Hans Westerbeek (Presented) Dr Camilla Brockett (Presented)	Madrid, Spain	07/09/2011
International Scientific Conference on Kinesiology	Prof David Bishop (Presented)	Opatija, Croatia	08/09/2011
International Association for the Philosophy of Sport Annual Conference	Assoc Prof Dennis Hemphill (Presented)	New York, USA	08/09/2011
Australasian Menopause Society Congress	Prof Lily Stojanovska (Presented)	Brisbane, Australia	09/09/2011
American Society for Bone and Mineral Research Annual Meeting	Dr Itamar Levinger (Attended)	San Diego, USA	16/09/2011
Technologies in Sport: Performance, Bodies and Ethics Symposium	Prof Damian Farrow (Presented)	Dunedin, New Zealand	20/09/2011
Association for Applied Sport Psychology Annual Conference	Prof Mark Andersen (Presented)	Hawaii, USA	20/09/2011
North American Menopause Society Annual Meeting	Prof Lily Stojanovska (Presented)	Washington, USA	21/09/2011
International Association of Computer Science in Sport Symposium	Dr Bahadorreza Ofoghi (Presented)	Shanghai, China	21/09/2011
ISEAL Postgraduate Research Student Conference	Prof Michael McKenna (Presented)	Melbourne, Australia	26/09/2011
Malaria in Melbourne Conference	Prof Greg Blatch (Attended)	Melbourne, Australia	03/10/2011
Chiropractic and Osteopathic College of Australia National Conference	Assoc Prof Gary Fryer (Presented)	Melbourne, Australia	08/10/2011
American Association for Sustainability in Higher Education Conference	Mr Greg Dingle (Attended)	Pittsburgh, USA	09/10/2011
Sports Dietitians Australia Conference	Dr Andrew McAinch (Attended) Prof David Bishop (Attended)	Melbourne, Australia	14/10/2011
Canadian Society for Exercise Physiology Annual General Meeting	Dr Francois Billaut (Presented)	Quebec, Canada	19/10/2011
Australian and New Zealand Obesity Society Annual Scientific Meeting	Dr Andrew McAinch (Presented) Dr Michael Mathai (Presented)	Adelaide, Australia	19/10/2011
Asics Conference of Science and Medicine in Sport	Dr Itamar Levinger (Presented) Dr Caroline Symons (Presented) Dr Rochelle Eime (Presented) Prof Remco Polman (Presented) Prof Warren Payne (Presented) Assoc Prof Bob Stewart (Presented)	Fremantle, Australia	19/10/2011
Decision Making and Emotion Workshop	Prof Damian Farrow (Presented)	Caen, France	21/10/2011

Conference Name	Attendees	Location	Start Date
Victorian Association of Cardiac Rehabilitation Annual Conference	Dr Itamar Levinger (Presented)	Melbourne, Australia	24/10/2011
BIT's Annual Congress of International Drug Discovery Science and Technology	Dr Andrew McAinch (Presented) Prof Lily Stojanovska (Presented)	Shenzhen, China	03/11/2011
INSEP - Workshop	Prof Damian Farrow (Presented)	Paris, France	07/11/2011
Dragon Tails 2011	Assoc Prof Rob Hess (Presented)	Melbourne, Australia	11/11/2011
Asian-South Pacific Association of Sport Psychology International Congress	Prof Tony Morris (Presented)	Taipei, Taiwan	11/11/2011
Exercise, Muscle & Metabolism Conference	Dr Christos Stathis (Attended) Dr Alan Hayes (Attended)	Melbourne, Australia	16/11/2011
Seminar at Free University of Brussels	Prof Hans Westerbeek (Presented)	Brussels, Belgium	17/11/2011
International Tennis Federation Worldwide Coaches Conference	Dr Janet Young (Presented)	Port Ghalib, Egypt	20/11/2011
The Victorian Cancer Agency Research Forum	Prof Greg Blatch (Attended)	Melbourne, Australia	23/11/2011
Sport Management Association of Australia and New Zealand Annual Conference	Dr Caroline Symons (Presented) Dr Daryl Marchant (Presented) Dr Brianna Newland (Presented) Dr Clare Hanlon (Presented) Dr John Tower (Presented) Assoc Prof Bob Stewart (Presented)	Melbourne, Australia	23/11/2011
Australasian Biomechanics Conference	Prof Damian Farrow (Presented) Dr David Rouffet (Presented)	Canberra, Australia	28/11/2011
International Tourism and Media Conference	Dr Leanne White (Presented)	Melbourne, Australia	28/11/2011
Motor Control and Human Skill Conference	Dr Patricia Addamo (Presented) Dr Jacqueline Williams (Presented)	Mandurah, Australia	29/11/2011
The Ritchie Centre Colloquim	Prof Greg Blatch (Attended)	Melbourne, Australia	01/12/2011
Centre de Formation Professionnelle Continue en Osteopathie - Workshop	Assoc Prof Gary Fryer (Presented)	Paris, France	02/12/2011
Australian Physiological Society National Symposium	Prof Michael McKenna (Presented)	Perth, Australia	04/12/2011
European School of Osteopathy - Workshop	Assoc Prof Gary Fryer (Presented)	Kent, UK	06/12/2011
Australia and New Zealand Association for Leisure Studies Biennial Conference	Dr Leonie Lockstone-Binney (Presented) Ms Olga Junek (Presented) Assoc Prof Bob Stewart (Presented) Mr Martin Robertson (Presented)	Dunedin, New Zealand	06/12/2011
World Research Summit for Tourism and Hospitality	Dr Leanne White (Presented)	Kowloon, Hong Kong	10/12/2011
Victorian Sport Psychology Conference	Dr Janet Young (Presented)	Melbourne, Australia	19/12/2011

Elite Camp Testing	Attendees	Location	Start Date
Essendon FC Cortisol Testing	Dr Christos Stathis (Tested)	Australia	2011 Season
AIS AFL Academy Camp	Dr Kevin Ball (Tested)	Canberra, Australia	January, October, December 2011
NAB AFL Draft Combine	Dr Kevin Ball (Tested)	Melbourne, Australia	04/10/2011
Training Camp, Track Sprint Cycling, AIS-Cycling Australia: Preparation to Elite National Championships	Dr David Rouffet (Tested)	Adelaide, Australia	12/12/2011



## BOOKS

- Burke, Michael, Clare Hanlon & Carl Thomen (2011) *Sport, culture and society*. Maribyrnong Press, Melbourne, Australia.
- Cameron\*, Melainie, Steve Selig\* & Dennis Hemphill (2011) *Clinical exercise: A case based approach*. Elsevier, NSW, Australia.
- Coakley\*, Jay, Chris Hallinan\* & Brent McDonald (2011) *Sports in society: Sociological issues and controversies*. McGraw Hill, Sydney, Australia.
- Frew, Elspeth & Leanne White eds. (2011) *Tourism and national identities: An international perspective*. Routledge, Oxford, UK.
- Gilbourne\*, David & Mark Andersen (2011) *Critical essays in applied sport psychology*. Human Kinetics, Illinois, USA.
- Hoye, Russell, Aaron Smith, Hans Westerbeek, Bob Stewart & Matthew Nicholson (2011) *Sport management: Principles and applications (Arabic adaptation and translation)*.
- Lai, Daniel, Rezaul Begg & Marimuthu Palaniswami\* (2011) *Healthcare sensor networks: Challenges to practical implementation*. Taylor & Francis, Florida, USA.
- Morris, Tony & Peter Terry\* (2011) *The new sport and exercise psychology companion*. Fitness Information Technology, West Virginia, USA.
- Westerbeek, Hans (2011) *Global sport business: Community impacts of commercial sport*. Routledge, London, UK.
- Westerbeek, Hans & Alastair Anderson\* (2011) *Sport en bewegen voor ouderen in Nederland – een nationaal marktonderzoek (Sport and physical activity for the elderly in the Netherlands – a national market research study)*. Arko Sports Media, Nieuwegein, Netherlands.

## BOOK CHAPTERS

- Andersen, Mark (2011) Who's mental? Who's tough? And who's both? Mutton constructs dressed up as lamb. in *Mental toughness in sport: developments in research and theory*. Ed(s). D. Gucciardi & S. Gordon. Routledge, London, UK. 66-85.
- Andersen, Mark & Harriet Speed (2011) Sport psychologists and clients as story tellers: Folk tales, myths, and parables in practice. in *Critical essays in applied sport psychology*. Ed(s). D. Gilbourne & M. Andersen. Human Kinetics, Illinois, USA. 87-104.
- Andersen, Mark & Joe Mannion\* (2011) If you meet the Buddha on the football field – tackle him! in *Critical essays in applied sport psychology*. Ed(s). D. Gilbourne & M. Andersen. Human Kinetics, Illinois, USA. 173-193.
- Billaut, Francois (2011) Electromyography assessment of muscle recruitment strategies during high-intensity exercise. in *Advances in applied electromyography*. Ed. J. Mizrahi. InTech Open Access Publisher, Rijeka, Croatia. 25-40.
- Broadbent\*, Suzanne, Gina Mendoza, Dan van der Westhuizen & Sarah-Johanna Moss (2011) Case studies in exercise as therapy for respiratory conditions. in *Clinical exercise: A case-based approach*. Ed(s). M. Cameron, S. Selig & D. Hemphill. Elsevier, NSW, Australia. 195-211.
- Burke, Michael (2011) Males coaching female athletes. in *The ethics of sport coaching*. Ed(s). A.R Hardman & C.Jones. Routledge, Oxon, UK. 116-133.
- Burke, Michael, Clare Hanlon & Carl Thomen (2011) Reflections on sport, culture and society. in *Sport, culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon & C. Thomen. Maribyrnong Press, Melbourne, Australia. 1-6.
- Button\*, Chris, Clare MacMahon & Rich Masters\* (2011) Keeping it together: Motor control under pressure. in *Performance psychology: A practitioner's guide*. Ed(s). D. Collins, A. Abbott, H. Richards. Elsevier, Edinburgh, UK. 177-190.
- Cameron\*, Melainie & Dennis Hemphill (2011) Doing evidence based practice. in *Clinical exercise science: A case based approach*. Ed(s). M. Cameron, S. Selig & D. Hemphill. Elsevier, NSW, Australia. 3-10.
- Cameron\*, Melainie, Ida Yui\*, Gary Francis-Pester\* & Dennis Hemphill (2011) Case studies in exercise as therapy for occupational rehabilitation. in *Clinical exercise science: A case based approach*. Ed(s). M. Cameron, S. Selig & D. Hemphill. Elsevier, NSW, Australia. 265-277.
- Cameron\*, Melainie, Mark Andersen, Helen Webb\* & Dennis Hemphill (2011) Setting the tone: Practitioners' self-care. in *Clinical Exercise: A case-based approach*. Ed(s). M. Cameron, S. Selig & D. Hemphill. Elsevier (Churchill Livingstone), NSW, Australia. 137-147.
- Chandler\*, Krista & Tony Morris (2011) Imagery. in *The new sport & exercise psychology companion*. Ed(s). T. Morris & P. Terry. FIT, West Virginia, USA. 275-308.
- Chatard\*, Jean-Claude & Andrew Stewart (2011) Training load and performance in swimming. in *World book of swimming: From science to performance*. Ed(s). L. Seifert, D. Chollet, & I. Mujika. Nova Science Publishers, New York, USA. 359-373.
- Farrow, Damian (2011) Identifying and developing skill expertise: Understanding current limits and exploring future possibilities. in *Talent identification and development in sport: International perspectives*. Ed(s). J. Baker, S. Cobley, & J. Schorer. Routledge, Oxon, USA. 51-63.
- Frew, Elspeth & Leanne White (2011) Research directions for tourism and national identities. in *Tourism and national identities: An international perspective*. Ed(s). E. Frew & L. White. Routledge, Oxford, UK. 215-218.
- Fryer, Gary (2011) Muscle energy approaches. in *Neck and arm pain syndromes: Evidence-informed screening, diagnosis and management*. Ed(s). C. Fernandez de las Penas, J. Cleland, P. Huijbregts. Elsevier, UK. 439-454.
- Gotlib\*\* , Ralph & Dennis Hemphill (2011) Australian Rules Football; For the good of the game. in *Sport, culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon & C. Thomen. Maribyrnong Press, Melbourne, Australia. 71-88.
- Hanlon, Clare & Leo Jago\* (2011) Staffing for successful events: Having the rights skills in the right place at the right time. in *The Routledge handbook of events*. Ed(s). S.J. Page & J. Connell. Routledge, Wiltshire, UK. 304-315.

## PUBLICATIONS (CONT.)

Hemphill, Dennis, Melainie Cameron\* & Steve Selig\* (2011) Case studies in learning from our mistakes. in *Clinical exercise science: A case based approach*. Ed(s). M. Cameron, S. Selig & D. Hemphill. Elsevier, NSW, Australia. 278-284.

Hess, Rob (2011) Football, cycling and leisure in colonial Melbourne. in *Sport, history and Australian culture: Passionate pursuits*. Ed(s). R. Cashman & R. Hess. Walla Walla Press, Sydney, Australia. 131-145.

Hess, Rob (2011) Sport and epic literature in ancient Greece: Homer. in *A history of sport and physical education: Ancient and modern perspectives*. Ed(s). R. Hess & Matthew Klugman. McGraw-Hill, NSW, Australia. 79-86.

Hess, Rob (2011) Sport and the literature of muscular Christianity: Tom Brown's schooldays. in *A history of sport and physical education: Ancient and modern perspectives*. Ed(s). R. Hess & M. Klugman. McGraw-Hill, North Ryde, NSW. 207-213.

Hess, Rob (2011) Sport and Australian culture: Historical perspectives. in *Sport, history and Australian culture: Passionate pursuits*. Ed(s). R. Cashman & R. Hess. Walla Walla Press, Sydney, Australia. 3-7.

Hess, Rob (2011) Sport and epic literature in Ancient Rome: Virgil. in *A history of sport and physical education: Ancient and modern perspectives*. Ed(s). R. Hess & M. Klugman. McGraw Hill, NSW, Australia. 114-121.

Hess, Rob & Jaquelyn Osborne\* (2011) Women, sport and martial training in the Ulster Cycle of tales. in *Sport, culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon & C. Thomen. Maribyrnong Press, Melbourne, Australia. 44-53.

Hess, Rob & Lauren Camilleri\*\* (2011) 'Rain, hail or Hitler': Aspects of the impact of the Second World War on the Footscray Football Club. in *Sport, culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon & C. Thomen. Maribyrnong Press, Melbourne, Australia. 7-21.

Hess, Rob & Matthew Klugman (2011) Australian sporting culture: Bibliographical perspectives. in *Sport, history and Australian culture: Passionate pursuits*. Ed(s). R. Cashman & R. Hess. Walla Walla Press, Sydney, Australia. 165-172.

Hess, Rob, Akhtar Nawaz & Richard Baka (2011) From Jinnah to Musharraf: Government involvement in the delivery of elite sport in Pakistan, 1947-2008. in *Sport, culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon & C. Thomen. Maribyrnong Press, Melbourne, Australia. 143-162.

Hess, Rob, Rachel Winterton\*\* & Claire Parker\* (2011) A 'spirit of emulation': Press perspectives on the development and governance of competitive swimming in late colonial Melbourne. in *Sport, culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon & C. Thomen. Maribyrnong Press, Melbourne, Australia. 55-70.

Klugman, Matthew & Ashley Humphrey\*\* (2011) A different type of rush: Beginning a socio-cultural history of the Loddon Valley Football League. in *Sport, culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon & C. Thomen. Maribyrnong Press, Melbourne, Australia. 23-40.

Koehn\*, Stefan & Tony Morris (2011) Self-confidence. in *The new sport and exercise psychology companion*. Ed(s). T. Morris & P. Terry. FIT, West Virginia, USA. 159-194.

Levinger, Itamar & Nigel Stepto (2011) Exercise as therapy in metabolic syndrome and polycystic ovary syndrome. in *Clinical exercise: A case based approach*. Ed(s). M. Cameron, S. Selig, D. Hemphill. Elsevier, Sydney, Australia. 84-98.

Litchfield\*\*, Chelsea & Caroline Symons (2011) 'Hockey one, hockey two, hockey three': Participation, inclusion and policy at three community hockey clubs in Victoria. in *Sport, culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon, R. Hess & C. Thomen. Maribyrnong Press, Melbourne, Australia. 127-142.

McDonald\*\*, Kathryn, Bob Stewart & Greg Dingle (2011) In the deep end: A study of responses to climate change by multi-purpose leisure facilities. in *Sport, culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon, R. Hess & C. Thomen. Maribyrnong Press, Melbourne, Australia. 89-106.

McDonald, Brent & Michael Burke (2011) Facultian subjectification and Japanese University rowers. in *Sport, culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon & Carl Thomen. Maribyrnong Press, Melbourne, Australia. 181-196.

Mendoza, Gina, Dan Van Der Westhuizen & Steve Selig\* (2011) Case studies in the exercise management of weight. in *Clinical exercise: A case-based approach*. Ed(s). M. Cameron, S. Selig, D. Hemphill. Elsevier, NSW, Australia. 148-166.

Morris, Tony (2011) Personality and individual differences. in *The new sport and exercise psychology companion*. Ed(s). T. Morris & P. Terry. FIT, West Virginia, USA. 11-36.

Morris, Tony & Peter Terry\* (2011) Introduction. in *The new sport and exercise psychology companion*. Ed(s). T. Morris & P. Terry. FIT, West Virginia, USA. 1-8.

Morsi\*, Yos, Pujiang Shi\*, Amal Owida\*, Rafiul Hassan\* & Rezaul Begg (2011) Breast cancer: Advancement in diagnostic and treatment. in *Biomedical engineering and information systems: Technologies, tools and applications*. Ed(s). A. Shukla & R. Tiwari. IGI Global, Pennsylvania, USA. 177-186.

Polman, Remco (2011) Elite athletes' experiences of coping with stress. in *Coping and emotions in sport*. Ed(s). J. Thatcher, M. Jones & D. Lavallee. Routledge, London. 284-301.

Preza\*, Chrysanthe, Sharon King\*, Nicoleta Dragomir & Carol Cogswell\* (2011) Phase imaging microscopy: Beyond dark-field phase and differential interference contrast microscopy. in *Handbook of Biomedical Optics*. Ed(s). D. Boas, C. Pitris & N. Ramanujam. Taylor and Francis, Florida, USA. 483-515.

Robergs\*, Robert, Henry Pollard\* & Dennis Hemphill (2011) Case studies in exercise as therapy for athletes. in *Clinical exercise science: A case-based approach*. Ed(s). M. Cameron, S. Selig, D. Hemphill. Elsevier, NSW, Australia. 248-264.

Selig\*, Steve, Dan Van Der Westhuizen, Suzanne Broadbent\*, Belinda Parmenter\* & Jacqui Raymond\* (2011) Case studies in exercise as therapy for cardiovascular conditions. in *Clinical exercise: A case-based approach*. Ed(s). M. Cameron, S. Selig, D. Hemphill. Elsevier, NSW, Australia. 177-194.

Selig\*, Steve, Itamar Levinger & Suzanne Broadbent\* (2011) Exercise as therapy in cardiovascular disease. in *Clinical exercise: A case-based approach*. Ed(s). M. Cameron, S. Selig, D. Hemphill. Elsevier, NSW, Australia. 29-50.

Selig\*, Steve, Itamar Levinger, Helena Teede\* & Amanda Deeks\* (2011) Case studies in exercise as therapy for metabolic conditions. in *Clinical exercise: A case-based approach*. Ed(s). M. Cameron, S. Selig, D. Hemphill. Elsevier, NSW, Australia. 221-237.

Speed, Harriet & Mark Andersen (2011) In praise of quantitative methods: How numbers can change culture. in *Critical essays in applied sport psychology*. Ed(s). D. Gilbourne & M. Andersen. Human Kinetics, Illinois, USA. 39-57.

Stojanovska, Lily (2011) Insulin resistance, type 2 diabetes and role of insulin sensitizers in its management. in *Diabeto-angiology*. Ed(s). M. Bosevski. Nova (Biomedical) Science Publishers, New York, USA. 52-72.

Sundstrom\*\*, Lenora, Daryl Marchant & Caroline Symons (2011) "Play, but don't stay": Women leaders in Australian sport. in *Sport culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon, R. Hess & C. Thomen. Maribyrnong Press, Melbourne, Australia. 107-126.

Sylvester\*\*, Kate & Brent McDonald (2011) Japanese women's kendo: A history of participation. in *Sport, culture and society: Approaches, methods and perspectives*. Ed(s). M. Burke, C. Hanlon & C. Thomen. Maribyrnong Press, Melbourne, Australia. 163-180.

Tod\*, David & Mark Andersen (2011) Professional pathways and territories in sport psychology. in *The new sport and exercise psychology companion*. Ed(s). T. Morris & P. Terry. Fitness Information Technology, West Virginia, USA. 404-423.

White, Leanne (2011) Image, brand, logo and nation: Destination marketing, nationalism and 2007 Cricket World Cup. in *Sports event management: The Caribbean experience*. Ed(s). L. Jordan, B. Tyson, C. Haye & D. Tully. Ashgate Publishing, Surrey, UK. 159-170.

Wilson-Evered, Elisabeth, Deborah Macfarlane\*\*, John Zeleznikow & Mark Thomson\* (2011) Towards an online family dispute resolution service in Australia. in *Mobile technologies for conflict management*. Ed. M. Poblet. Springer. Dordrecht, Netherlands. 125-140.

White, Leanne (2011) Zoos Victoria: Branding, marketing and designing multi-location zoos. in *Zoos and tourism: Conservation, education, entertainment?* Ed. W. Frost. Channel View, Bristol, UK. 204-216.

White, Leanne (2011) The role of the horse in Australian tourism and national identity. in *Tourism and national identities: An international perspective*. Ed(s). E. Frew & L. White. Routledge, Oxford, UK. 65-76.

White, Leanne & Elspeth Frew (2011) Tourism and national identities: Connections and conceptualisations. in *Tourism and national identities: An international perspective*. Ed(s). E. Frew & L. White. Routledge, Oxford, UK. 1-10.

White, Leanne (2011) The branding of Beaconsfield: How a mining disaster put the Tasmanian town on the tourist map. in *Mining heritage and tourism: A global synthesis*. Ed(s). M. Conlin & L. Jolliffe. Routledge, Oxon, UK. 44-53.

## JOURNAL ARTICLES

Addamo, Patricia, Maree Farrow\*, Bradshaw John\* & Georgiou-Karistianis Nellie\* (2011) Relative or absolute? Implication and consequences of the measures adopted to investigate motor overflow. *Journal of Motor Behavior*. 43 (3): 203-212.

Alikhan\*, Maliha, Christina Jones\*, Timothy Williams\*, Anthony Beckhouse\*, Anne Fletcher\*, Michelle Ket\*, Samy Sakkal, Crishan Samuel\*, Rob Ramsay\*, James Deane\*, Christine Wells\*, Melissa Little\*, David Hume\* & Sharon Ricardo\* (2011) Colony-stimulating factor (CSF)-1 promotes kidney growth and repair via alteration of macrophage responses. *American Journal of Pathology*. 179 (3): 1243-1256.

Au\*, Amy, Torben Hackl\*, Thomas Yeager, Scott Cohen\*, Harvey Pass\*, Curtis Harris\* & Roger Reddel\* (2011) Teolmerase activity in plueral malignant mesotheliomas. *Lung cancer*. 73 (3): 283-288.

Aughey, Robert (2011) Increased high-intensity activity in elite Australian football finals matches. *International Journal of Sports Physiology and Performance*. 6 (3): 367-379.

Aughey, Robert (2011) Applications of GPS technologies to field sports. *International Journal of Sports Physiology and Performance*. 6 (3): 295-310.

Ball, Kevin & Con Hrysmallis (2011) Synthetic grass cricket pitches and ball bounce characteristics. *Journal of Science and Medicine in Sport*. 15 (3): 272-276.

Ball, Kevin (2011) Kinematic comparison of the preferred and non-preferred foot punt kick. *Journal of Sports Sciences*. 29 (14): 1545-1552.

Ball, Kevin & Russell Best (2011) Golf styles and centre of pressure patterns when using different golf clubs. *Journal of Sports Sciences*. 29 (6): 587-590.

Banting, Lauren, James Dimmock\* & Robert Grove\* (2011) The impact of automatically activated motivation on exercise related outcomes. *Journal of Sport and Exercise Psychology*. 33 (4): 569-585.

Benziane\*, Boubacar, Ulrika Widegren\*, Sergej Pirkmajer\*, Jan Henriksson\*, Nigel Stepto & Alexander Chilabin\* (2011) Effect of exercise and training on phospholemman phosphorylation in human skeletal muscle. *American Journal of Physiology. Endocrinology and Metabolism*. 301 (3): E456-E466.

Billaut, Francois & David Bishop (2011) Mechanical work accounts for sex differences in fatigue during repeated sprints. *European Journal of Applied Physiology*. 112 (4): 1429-1436.

Billaut, Francois, David Bishop, Simon Schaez\* & Tim Noakes\* (2011) Influence of knowledge of sprint number on EMG activity and pacing during repeated-sprint exercise. *Medicine and Science in Sports and Exercise*. 43 (4): 665-672.

Bishop, David (2011) Confusion concerning the lactate proton ratio: A problem of definition. *Journal of Applied Physiology*. 110 (5): 1494-1495.

Bishop, David, Olivier Girard\* & Alberto Mendez-Villanueva\* (2011) Repeated-sprint ability part II: Recommendations for training. *Sports Medicine*. 41 (9): 741-756.

Bodill\*, Taryn, Anne Conibear\*, Gregory Blatch, Kevin Lobb\* & Perry Kaye\* (2011) Synthesis and evaluation of phosphonated N-heteroarylcarboxamides as DOXP-reductoisomerase (DXR) inhibitors. *Bioorganic and Medicinal Chemistry*. 19: 1321-1327.

Botha\*, Melissa, Annette Chiang\*, Patrick Needham\*, Linda Stephens\*, Heinrich Hoppe\*, Simone Kulzer\*, Jude Przyborski\*, Klaus Lingelbach\*, Peter Wipf\*, Jeffrey Brodsky\*, Addmore Shonhai\* & Gregory Blatch (2011) Plasmodium falciparum encodes a single cytosolic type I Hsp40 that functionally interacts with Hsp70 and is upregulated by heat shock. *Cell Stress and Chaperones*. 16: 389-401.

Boyd\*\*, Luke, Kevin Ball & Robert Aughey (2011) The reliability of minimaxX accelerometers for measuring physical activity in Australian football. *International Journal of Sports Physiology and Performance*. 6 (3): 311-321.

## PUBLICATIONS (CONT.)

- Bruce\*, Lyndell, Damian Farrow & Annette Raynor\* (2011) How specific is domain specificity: Does it extend across playing position? *Journal of Science and Medicine in Sport*. 15 (4): 361-367
- Casey\*, Meghan, Jack Harvey\*, Rochelle Eime & Warren Payne (2011) The test-retest reliability of a health promotion assessment tool in sport. *Annals of Leisure Research*. 14 (4): 304-324.
- Casey\*, Meghan, Rochelle Eime, Kylie Ball\* & Warren Payne (2011) Characteristics of physically active and inactive men from low socio economic communities and housing estates: A qualitative study using the socio ecological model. *Annals of Leisure Research*. 14 (1): 1-21.
- Church\*, Jarrod, Stefan Gehrig\*, Anabel Chee\*, Timur Naim\*, Jennifer Trieu\*, Glenn McConnell & Gordon Lynch\* (2011) Early functional muscle regeneration after myotoxic injury in mice is unaffected by nNOS absence. *American Journal of Physiology Regulatory, Integrative and Comparative Physiology*. 301 (5): 1358-1366.
- Cockburn\*, Ingrid, Eve-Rachele Pesce, Jude Przyborski\*, Michael Davies-Coleman\*, Peter Clark\*, Robert Keyzers\*, Linda Stephens\* & Gregory Blatch (2011) Screening for small molecule modulators of Hsp70 chaperone activity using protein aggregation suppression assays: inhibition of the plasmoidal chaperone PfHsp70-1. *Biological Chemistry*. 392: 431-438.
- Condliffe\*\*, Peter, Brook Abrahams\*\* & John Zeleznikow (2011) Providing online decision support for owners corporation disputes. *Australasian Dispute Resolution Journal*. 22 (2): 84-94.
- Cooper\*, Leanne, Earl Prinsloo\*, Adrienne Edkins\* & Gregory Blatch (2011) Hsp90 $\alpha$ / $\beta$  associates with the GSK3 $\beta$ /axin1/phospho- $\beta$ -catenin complex in the human MCF-7 epithelial breast cancer model. *Biochemical and Biophysical Research Communications*. 413: 550-554.
- Cornall\*\*, Lauren, Michael Mathai, Deanne Hryciw & Andrew McAinch (2011) Diet-induced obesity up-regulates the abundance of GPR43 and GPR120 in a tissue specific manner. *Cellular Physiology and Biochemistry*. 28: 949-958.
- Coventry\*\*, Evan, Kevin Ball, Lucy Parrington\*\*, Simon Taylor, Robert Aughey & Michael McKenna (2011) The effect of a game specific short term fatigue protocol on kicking in Australian Football. *Portuguese Journal of Sport Sciences*. 11: 69-72.
- Craike\*, Melinda, Caroline Symons\*, Rochelle Eime, Warren Payne & Jack Harvey\* (2011) A comparative study of factors influencing participation in sport and physical activity for metropolitan and rural female adolescents. *Annals of Leisure Research*. 14 (4): 355-368.
- Cui, Ju, Zai Wang, Qianni Cheng, Raozhou Lin, Xin-Mei Zhang, Po Sing Leung, Neal Copeland, Nancy Jenkins, Kwok-Ming Yao & Jian-Dong Huang (2011) Targeted inactivation of kinesin-1 in pancreatic  $\beta$ -cells in vivo leads to insulin secretory deficiency. *Diabetes*. 60 (1): 320-30.
- Dassanayake\*\*, Jayantha, Shyamali Dharmage\*, Lyle Gurrin\*, Vijaya Sundararajan\* & Warren Payne (2011) Are Australian immigrants at risk of being physically inactive? *The International Journal of Behavioural Nutrition and Physical Activity*. 8 (53): 1-6.
- Dassanayake\*, Jayantha, Lyle Gurrin\*, Warren Payne, Vijaya Sundararajan\* & Shyamali Dharmage\* (2011) Cardiovascular disease risk of immigrants: What is the evidence and where are the gaps? *Asia-Pacific Journal of Public Health*. 23: 882-895.
- Dassanayake\*, Jayantha, Lyle Gurrin\*, Warren Payne, Vijaya Sundararajan\* & Shyamali Dharmage\* (2011) Is country of birth a risk factor for acute hospitalisation for cardiovascular disease in Victoria, Australia? *Asia-Pacific Journal of Public Health*. 23 (3): 280-287.
- Edwards\*, Andrew, Robert Crowther\*, Hugh Morton\* & Remco Polman (2011) Acute nonhypothermic exposure to cold impedes motor skill performance in video gaming compared to thermo-neutral and hot conditions. *Perceptual and Motor Skills*. 112 (1): 217-227.
- Edwards\*, Andrew, Robert Crowther\*, Hugh Morton\* & Remco Polman (2011) Sudden non-hypothermic exposure to the cold impedes coordinative video gaming performance compared to thermo-neutral and hot conditions. *Perceptual and Motor Skills*. 112 (1): 217-227.
- Elliot\*, Dave, Remco Polman & Richard McGregor\* (2011) Relaxing music for anxiety control. *Journal of Music Therapy*. 48 (3): 263-287.
- Eynon, Nir & Ruth Birk\* (2011) Using genetic tests for talent identification in sports: Too soon to be true. *Journal of Paediatric Endocrinology and Metabolism*. 24 (7-8): 607-608.
- Eynon, Nir, Alberto Alves\*, Chen Yamin\* & Yoav Meckel\* (2011) PPARA intron 1 A/C polymorphism and elite athlete status. *European Journal of Sports Sciences*. 11 (3): 177-181.
- Eynon, Nir, Jonatan Ruiz\*, Jose Oliviera\*, Jose Duarte\*, Ruth Birk\* & Alejandro Lucia\* (2011) Genes and elite athletes: A roadmap for future research. *The Journal of Physiology*. 589 (13): 3063-3070.
- Eynon, Nir, Jonatan Ruiz\*, Yoav Meckel\*, Catalina Santiago\*, Carmen Fiuza-Luces\*, Felix Gomez-Galego\*, Jose Oliveira\* & Alejandro Lucia\* (2011) Is the -174 C/G polymorphism of the IL6 gene associated with elite power performance? A replication study with two different Caucasian cohorts. *Experimental Physiology*. 96 (2): 156-162.
- Eynon, Nir, Jonatan Ruiz\*, Yoav Meckel\*, Maria Moran\* & Alejandro Lucia\* (2011) Mitochondrial biogenesis related genotype score and sports performance in athletes. *Mitochondrion*. 11 (1): 64-69.
- Eynon, Nir, Maria Moran\*, Ruth Birk\* & Alejandro Lucia\* (2011) The champions' mitochondria: Is it genetically determined? A review on mitochondrial DNA and elite athletic performance. *Physiological Genomics*. 43 (13): 789-798.
- Eynon, Nir, Ruth Birk\*, Yoav Meckel\*, Alejandro Lucia\*, Dan Nemet\* & Alon Eliakim\* (2011) Physiological variables and mitochondrial-related genotypes of an athlete who excels in both short and long-distance running. *Mitochondrion*. 11 (5): 774-777.
- Eynon, Nir, Yoav Meckel\*, Alberto Alves\*, Dan Nemet\* & Alon Eliakim\* (2011) Is there an interaction between BDKRB2 9/19 and GNB3 C825T polymorphisms and elite athletic performance. *Scandinavian Journal of Medicine and Science in Sports*. 21 (6): E242-E246.
- Ferri\*, Alessandra, Saverio Adamo\*, Antonio La Torre\*, Mauro Marzorati\*, David Bishop & Giuseppe Miserocchi\* (2011) Determinants of performance in 1500-m runners. *European Journal of Applied Physiology*. 112 (8) 1-11.
- Fryer, Gary (2011) Is a postural-structural-biomechanical model, within manual therapies, viable? Invited response. *Journal of Bodywork and Movement Therapy*. 15 (1): 138-140.
- Fryer, Gary (2011) Muscle energy technique: An evidence-informed approach. *International Journal of Osteopathic Medicine*. 14 (1): 3-9.

Fryer, Gary (2011) Call for papers: An invitation to contribute to a special issue on osteopathic principles (Editorial). *International Journal of Osteopathic Medicine*. 14 (3): 79-80.

Fryer, Gary & James Adams\* (2011) Magnetic resonance imaging of subjects with acute unilateral neck pain and restricted motion: A prospective case series. *The Spine Journal*. 11 (2): 171-176.

Gaskin\*, Cadeyrn, Mark Andersen & Tony Morris (2011) Physical activity and fantasies in the life of an adult with cerebral palsy: The motivator, looking for love. *Qualitative Research in Sport, Exercise and Health*. 3 (2): 238-262.

Girard\*, Olivier, Alberto Mendez-Villanueva\* & David Bishop (2011) Repeated-sprint ability part I: Factors contributing to fatigue. *Sports Medicine*. 41: 1-22.

Gorman\*, Adam, Bruce Abernethy\* & Damian Farrow (2011) Investigating the anticipatory nature of pattern perception in sport. *Memory and Cognition*. 39 (5): 894-901.

Hanson\*\*, Erik & Ben Hurley\* (2011) Intervening on the side effects of hormone-dependent cancer treatment: The role of strength training. *Journal of Aging Research*. 2011.

Hayman\*, Rick, Remco Polman, Jamie Taylor\*, Brian Hemmings\* & Erika Borkoles (2011) Development of elite adolescent golfers. *Talent Development and Excellence*. 3 (2): 249-261.

Hess, Rob (2011) Playing with 'patriotic fire': Women and football in the antipodes during the Great War. *International Journal of the History of Sport*. 28 (10): 1388-1408.

Hobbs\*, Sarah, Theresia Licka\* & Remco Polman (2011) The difference in kinematics of horses walking, trotting and cantering on a flat and banked 10m circle. *Equine Veterinary Journal*. 43 (6): 686-694.

Hopwood\*, Melissa, David Mann\*, Damian Farrow & Tim Neilson\* (2011) Does visual-perceptual training augment the fielding performance of skilled cricketers? *International Journal of Sports Science & Coaching*. 6 (4): 523-535.

Hrysomallis, Con (2011) Balance ability and athletic performance. *Sports Medicine*. 41 (3): 221-232.

Hurley\*, Ben, Erik Hanson\*\* & Andrew Sheaff\* (2011) Strength training as a countermeasure to aging muscle and chronic disease. *Sports Medicine*. 41 (4): 289-306.

Ispoglou\*, Harry, Rod King\*, Remco Polman & Cathy Zanker\* (2011) Daily L-Leucine supplementation in novice trainees during a 12 week weight training programme. *International Journal of Sports Physiology and Performance*. 6 (1): 38-50.

Jennings\*\*, Denise, Stuart Cormack\*, Aaron Coutts\* & Robert Aughey (2011) GPS analysis of international field hockey tournament. *International Journal of Sports Physiology and Performance*.

Kinchington\*\*, Michael, Kevin Ball & Gerry Naughton\* (2011) Effects of footwear on comfort and injury in professional rugby league. *Journal of Sports Sciences*. 29 (13): 1407-1415.

Klugman, Matthew (2011) 'Football is a fever disease like recurrent malaria and evidently incurable': Passion, place and the emergence of an Australian anti football league. *International Journal of the History of Sport*. 28 (10): 1426-1446.

Laker\*, Rhianna, Belinda Henry\*, Glenn Wadley\*, Iain Clarke\*, Benedict Canny\* & Glenn McConell (2011) Central infusion of leptin does not increase AMPK signalling in skeletal muscle of sheep. *American Journal of Physiology Regulatory, Integrative and Comparative Physiology*. 300 (2): 511-518.

Laker\*, Rhianna, Linda Gallo\*, Mary Wlodek\*, Andrew Siebel\*, Glenn Wadley\* & Glenn McConell (2011) Short-term exercise training early in life restores deficits in pancreatic B-cell mass associated with growth restriction in adult male rats. *American Journal of Physiology Endocrinology and Metabolism*. 301 (5): 931-940.

Lam\*, Yan, Alena Janovska\*, Andrew McAinch, Damien Belobrajdic\*, George Hatzinikolas\*, Philip Game\* & Gary Wittert\* (2011) The use of adipose tissue-conditioned media to demonstrate the differential effects of fat depots on a glucose uptake in a skeletal muscle cell line. *Obesity Research and Clinical Practice*. 5: E43-E54.

Lam\*, Yan, George Hatzinikolas\*, J.M. Weir\*, Alena Janovska\*, Andrew McAinch, Philip Game\*, Peter Meikle\* & Gary Wittert\* (2011) Insulin-stimulated glucose uptake and pathways regulating energy metabolism in skeletal muscle cells: The effects of subcutaneous and visceral fat, and long-chain saturated, n-3 and n-6 polyunsaturated fatty acids. *Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids*. 1811 (7-8): 468-475.

Lamboley, Cedric & Paul Pape\* (2011) The concentration of free Ca<sup>2+</sup> in the sarcoplasmic reticulum of frog cut twitch skeletal muscle fibers estimated with tetramethylmurexide. *Cell Calcium*. 50 (6): 530-547.

Larkin\*, Paul, Jason Berry, Brian Dawson\* & Brendan Lay\* (2011) Perceptual and decision-making skills of Australian football umpires. *International Journal of Performance Analysis in Sport*. 11 (3): 427-437.

Levinger\*, Pazit, Daniel Lai, Hylton Menz\*, Adam Morrow\*, Julian Feller\*, John Bartlett\*, Neil Bergman\* & Rezaul Begg (2011) Swing limb mechanics and minimum toe clearance in people with knee osteoarthritis. *Gait and Posture*. 35 (2): 277-281.

Levinger\*, Pazit, Marissa Caldwell\*, Julian Feller\*, John Bartlett\*, Neil Bergman\*, Michael McKenna & Itamar Levinger (2011) The association between skeletal muscle inflammatory markers and walking pattern in people with knee osteoarthritis. *Arthritis Care and Research*. 63 (12): 1715-1721.

Levinger, Itamar, Roger Zebaze\*, George Jerums\*, David Hare\*, Steve Selig and Ego Seeman\* (2011) The effect of acute exercise on undercarboxylated osteocalcin in obese men. *Osteoporosis International*. 22 (5): 1621-1626.

Levinger, Itamar, Matthew Varley\*\*, George Jerums\*, David Hare\* & Steve Selig\* (2011) O<sub>2</sub> kinetics during early recovery from peak exercise in patients with type 2 diabetics. *Diabetic Medicine*. 28: 612-617.

Levinger, Itamar, Pazit Levinger\*, Marissa Trenerry\*, Julian Feller\*, John Bartlett\*, Neil Bergman\*, Michael McKenna & David Cameron-Smith\* (2011) Increased inflammatory cytokine expression in the vastus lateralis of patients with knee osteoarthritis. *Arthritis and Rheumatism*. 63 (5): 1343-1348.

Levinger, Itamar, Steve Selig\*, Craig Goodman\*, George Jerums\*, Andrew Stewart\* & David Hare\* (2011) Resistance training improves depressive symptoms in individuals at high risk for type 2 diabetes. *Journal of Strength and Conditioning Research*. 25 (8): 2328-2333.

Levy\*, Andy, Adam Nicholls\* & Remco Polman (2011) Pre-competitive confidence, coping and subjective performance in sport. *Scandinavian Journal of Medicine and Science in Sport*. 21: 721-729.



## PUBLICATIONS (CONT.)

- Linden\*, Kelly, Glenn Wadley\*, Andrew Garnham\* & Glenn McConell (2011) Effect of L-Arginine infusion on glucose disposal during exercise in humans. *Medicine and Science in Sports and Exercise*. 43 (9): 1626-1634.
- Little\*, Jon, Adeel Safdar\*, David Bishop, Mark Tarnopolsky\* & Martin Gibala\* (2011) An acute bout of high-intensity interval training increases the nuclear abundance of PGC-1 and activates mitochondrial biogenesis in human skeletal muscle. *American Journal of Physiology*. 300 (6): 1303-1310.
- Livingston\*, Patricia, Jo Salmon\*, Kerry Courneya\*, Cadeyrm Gaskin\*, Melinda Craike\*, Mari Botti\*, Suzanne Broadbent and Bridie Kent\* (2011) Efficacy of a referral and physical activity program for survivors of prostate cancer [ENGAGE]: Rationale and design for a cluster randomised controlled trial. *BMC Cancer*. 11 (237): 1-11.
- Loh, Kim, Atsushi Fukushima, Xin-Mei Zhang, Sandra Galic, Dana Briggs, Pablo Enriori, Stephanie Simonds, Florian Wiede, Alexander Reichenbach, Christine Hauser, Natalie Sims, Kendra Bence, Sheng Zhang, Zhong-Yin Zhang, Barbara Kahn, Benjamin Neel, Zane Andrews, Michael Cowley & Tony Tiganis. (2011) Elevated hypothalamic TCPTP in obesity contributes to cellular leptin resistance. *Cell Metabolism*. 14 (5): 684-699
- Loporto\*, Michela, Craig McAllister\*, Jacqueline Williams, Robert Hardwick\* & Paul Holmes\* (2011) Investigating central mechanisms underlying the effects of action observation and imagery through transcranial magnetic stimulation. *Journal of Motor Behaviour*. 33 (3): 273-282.
- Lorains, Megan, Clare MacMahon, Kevin Ball & Josh Mahoney\* (2011) Above real time training for team invasion sport skills. *International Journal of Sports Science and Coaching*. 6 (4): 537-544.
- Mandic\*, Sandra, Jonathan Myers\*, Steve Selig\* & Itamar Levinger (2011) Resistance versus aerobic exercise training in chronic heart failure. *Current Heart Failure Reports*. 1-8.
- Marin-Perianu\*, Raluca, Mihai Marin-Perianu\*, Paul Havinga\*, Simon Taylor, Rezaul Begg, Marimuthu Palaniswami\* & David Rouffet (2011) A performance analysis of a wireless body-area network monitoring system for professional cycling. *Personal and Ubiquitous Computing*.
- Mautsa\*, Nicodermus, Earl Prinsloo\*, Ozlem Tastan Bishop\* & Gregory Blatch (2011) The PINIT domain of PIAS3: Structure-function analysis of its interaction with STAT3. *Journal of Molecular Recognition*. 24: 795-803.
- Moran\*, Lisa, Cheryce Harrison\*, Samantha Hutchison\*, Nigel Stepto, Boyd Strauss\* & Helena Teede\* (2011) Exercise decreases anti-mullerian hormone in anovulatory overweight women with polycystic ovary syndrome: A pilot study. *Hormone and Metabolic Research*. 43 (13): 977-979.
- Morris, Tony, Melissa Moore & Felicity Morris\*\* (2011) Stress and chronic illness: The case of diabetes. *Journal of Adult Development*. 18: 70-80.
- Murphy\*, Robert, Kristian Vissing\*, Heidy Latchman\*, Cedric Lamboley, Michael McKenna, Kristian Overgaard\* & Graham Lamb\* (2011) Activation of skeletal muscle calpain-3 by eccentric exercise in humans does not result in its translocation to the nucleus or cytosol. *Journal of Applied Physiology*. 111 (5): 1448-1458.
- Mutsvunguma\*, Lorraine, Boitumelo Moethoa\*, Adrienne Edkins\*, Gregory Blatch & Caroline Knox\* (2011) Theiler's murine encephalomyelitis virus infection induces a redistribution of heat shock proteins 70 and 90 in BHK-21 cells, and is inhibited by novobiocin and geldanamycin. *Cell Stress and Chaperones*. 16: 505-515.
- Nagano\*\*, Hanatsu, Rezaul Begg, Tony Sparrow & Simon Taylor (2011) Ageing and limb dominance effects on foot-ground clearance during treadmill and overground walking. *Clinical Biomechanics*. 26 (9): 962-968.
- Nicholls\*, Adam, Andy Levy\*, Leigh Jones\*, Remco Polman & M. Rengamani\* (2011) An exploration of the two factor schematization of relation meaning and emotions among professional rugby union players. *International Journal of Sport and Exercise Psychology*. 9 (1): 1-14.
- Nicholls\*, Adam, Andy Levy\*, Remco Polman & Lee Crust\* (2011) Mental toughness, coping self efficacy, and coping effectiveness among athletes. *International Journal of Sport Psychology*. 42: 513-524.
- Nicholls\*, Adam, Jim McKenna\*, Remco Polman and Suzanne Backhouse\* (2011) Overtraining during pre-season: Stress and negative affective state among professional rugby union players. *Journal of Clinical Sport Psychology*. 5: 211-222.
- Ofoghi, Bahadorreza, John Zeleznikow and Clare MacMahon (2011) Probabilistic modelling to give advice about rowing split measures to support strategy and pacing in race planning. *International Journal of Performance Analysis in Sport*. 11 (2): 240-254.
- Okuno\*, Nilo, Luiz Perandini\*, Herbert Simoes\*, Gleber Pereira\*, David Bishop, Serge Bethoin\*, Eduardo Kokubun\* & Fabio Nakamura\* (2011) Physiological and perceived exertion responses at intermittent critical power and intermittent maximal lactate steady state. *Medicine and Science in Sports and Exercise*. 25 (7): 2053-2058.
- Panchuk, Derek & Joan Vickers\* (2011) Effect of narrowing the base of support on the gait, gaze and quiet eye of elite ballet dancers and controls. *Cognitive Processing*. 12 (3): 267-276.
- Phillips\*, Matthew, Aaron Petersen\*, Chris Abbiss\*, Kevin Netto\*, Warren Payne, David Kols\* & Brad Aisbett\* (2011) Pack hike test finishing time for Australian firefighters: Pass rates and correlates of performance. *Applied Ergonomics*. 42: 411-418.
- Polman\*, Remco & Erika Borkoles (2011) The fallacy of directional anxiety. *International Journal of Sport Psychology*. 42 (3): 303-306.
- Pomeroy, Alan & Leanne White (2011) The portrayal of Indigenous identity in Australian tourism brand advertising: Engendering an image of extraordinary reality or staged authenticity? *Place Branding and Public Diplomacy*. 7 (3): 165-174.
- Portus\*, Mark & Damian Farrow (2011) Enhancing cricket batting skill: Implications for biomechanics and skill acquisition research and practice. *Sports Biomechanics*. 10 (4): 294-305.
- Rendell\*, Megan, Damian Farrow, Rich Masters\* & Norma Plummer\* (2011) Implicit practice for technique adaptation in expert performers. *International Journal of Sports Science & Coaching*. 6 (4): 533-566.
- Rogowski\*, Isabelle, David Rouffet, Frederic Lambalot\*, Olivier Brosseau\* & Christophe Hautier\* (2011) Trunk and upper limb muscle activation during flat and topspin forehand drives in young tennis players. *Journal of Applied Biomechanics*. 27 (1): 15-21.

## PUBLICATIONS (CONT.)

- Ruiz\*, Jonaton, Nir Eynon, Yoav Meckel\*, Carmen Fiuza-Luces\*, Catalina Santiago\*, Felix Gomez-Galego\*, Jose Oliveira\* & Alejandro Lucia\* (2011) GNB3 C825T polymorphism and elite athletic status: A replication study with two ethnic groups. *International Journal of Sports Medicine*. 32 (2): 151-153.
- Rutz\*, Erich, Richard Baker\*, Oren Tirosh, Jacqueline Romkes\*, Celina Haase\* & Reinold Brunner\* (2011) Tibialis anterior tendon shortening in combination with achilles tendon lengthening in spastic equinus in cerebral palsy. *Gait and Posture*. 33 (2): 152-157.
- Selva Raj, Isaac, Stephen Bird\*, Ben Westfold\* & Anthony Shield\* (2011) Effects of eccentrically biased versus conventional weight training in older adults. *Medicine and Science in Sports and Exercise*. 44 (6): 1167-76.
- Serpiello\*\*\*, Fabio, Michael McKenna, Nigel Stepto, David Bishop & Robert Aughey (2011) Performance and physiological responses to repeated-sprint exercise: a novel multiple set approach. *European Journal of Applied Physiology*. 111: 669-678.
- Shilton\*, Alistair, Daniel Lai, Braveena Santhiranayagam\*\* & Marimuthu Palaniswami\* (2011) A note on octonionic support vector regression. *IEEE Transactions on Systems, Man and Cybernetics, Part B: Cybernetics*. (99) 1-6.
- Shonhai\*, Addmore, Jude Przyborski\*, Alexander Maier\* & Gregory Blatch (2011) Intracellular protozoan parasites of humans: the role of molecular chaperones in development and pathogenesis. *Protein and Peptide Letters*. 18: 143-157.
- Singh\*, Tarveen, Kym Guelfi\*, Grant Landers\*, Brian Dawson\* & David Bishop (2011) A comparison of muscle damage, soreness and performance following a simulated contact and non-contact team game. *Journal of Science and Medicine in Sport*. 14 (5): 441-446.
- Slattery\*, Craig, Kayte Jenkin\*\*, Aven Lee\*, Anna Simcocks\*\*, Andrew McAinch, Philip Poronnik\* & Deanne Hryciw (2011) Na<sup>+</sup>/H<sup>+</sup> exchanger regulatory factor 1 (NHERF1) PDZ scaffold binds an internal binding site in the scavenger receptor megalin. *Cellular Physiology and Biochemistry*. 27: 171-178.
- Smith\*, Aaron & Bob Stewart (2011) Becoming believers: Studying the conversion process from within. *Zygon: Journal of Religion and Science*. 46 (4): 806-834.
- Song\*, Bi, Jonathon Niclis\*, Maliha Alikhan\*, Samy Sakkal, Aude Sylvain\*, Peter Kerr\*, Andrew Laslett\*, Claude Bernard\* & Sharon Ricardo\* (2011) Generation of induced pluripotent stem cells from human kidney mesangial cells. *Journal of the American Society for Nephrology*. 22 (7): 1213-1220.
- Spittle\*, Michael & Tony Morris (2011) Can internal and external imagery perspectives be trained? *Journal of Mental Imagery*. 35 (3/4): 81-104.
- Stephens\*, Linda, Addmore Shonhai\* & Gregory Blatch (2011) Co-expression of the Plasmodium falciparum chaperone, PfHsp70, improves the heterologous production of the antimalarial drug target GTP cyclohydrolase I, PfGCHI. *Protein Expression and Purification*. 77: 159-165.
- Stepto, Nigel, Ben Shipperd\*, Graeme Hyman\*, Bernie McInerney\* & David Pyne\* (2011) Effects of high-dose large neutral amino acid supplementation on exercise, motor skill, and mental performance in Australian Rules Football players. *Applied Physiology Nutrition and Metabolism*. 36 (5): 671-681.
- Sterrenberg\*, Jason, Gregory Blatch & Adrienne Edkins\* (2011) Human DNA in cancer and stem cells. *Cancer Letters*. 312: 129-142.
- Stewart, Bob, Daryl Adair\* & Aaron Smith\* (2011) Drivers of illicit drug use regulation in Australian sport. *Sport Management Review*. 14 (3): 237-245.
- Tare\*, Marianne, Mark Mazuca\*, Helena Parkington\*, Nicoleta Dragomir & Mary Wlodek\* (2011) Surviving life in the womb and the implications for vascular health in adulthood. *Physiology News*. 83: 29-31.
- Tod\*, David, Mark Andersen & Tony Morris (2011) Six years up: Applied sport psychologists surviving (and thriving) after graduation. *Journal of Applied Sport Psychology*. 23 (1): 93-109.
- Tower, John & Robyn Broadbent (2011) University and community partnerships: Building social capital and community capacity. *Widening Participation and Lifelong Learning*. 13 (2): 51-67.
- Varley, Matthew, George Elias & Robert Aughey (2011) Current match analysis techniques can underestimate intense periods of high-velocity running. *International Journal of Sports Physiology and Performance*. 7 (2): 183-185.
- Venturelli\*, Massimo, Federico Schena\*, Luisa Zanolla\* & David Bishop (2011) Injury risk factors in young soccer players detected by a multivariate survival model. *Journal of Science and Medicine in Sport*. 14 (4): 293-298.
- Vintsarevich\*, Vladislav, Gitesh Raikundalia, Michael Mathai, Andrew McAinch, Carla Battaglia\* & Steven Pereira\* (2011) Development of mobile-accessible nutritional system to improve healthy food choices. *Research Journal of Applied Sciences, Engineering and Technology*. 3 (9): 1034-1047.
- Warner\*, Stacy, Brianna Newland & Christine Green\* (2011) More than motivation: Reconsidering volunteer management tools. *Journal of Sport Management*. 25 (5): 391-407.
- Weissensteiner\*, Juanita, Bruce Abernethy\*\* & Damian Farrow (2011) Hitting a cricket ball: What components of the interceptive actions are most linked to expertise? *Sports Biomechanics*. 10 (4): 324-338.
- White, Leanne (2011) The Sydney 2000 Olympic Games bid: Marketing Indigenous Australia for the millennium games. *The International Journal of the History of Sport*. 28 (10): 1448-1462.
- Williams\*, Andrew, Mitchell Anderson\*, Steve Selig, Michael Carey\*\*, Mark Febbraio\*, Alan Hayes, Deidre Toia\*, David Hare\* & Stephen Harrap\* (2011) Differential response to resistance training in CHF according to ACE genotype. *International Journal of Cardiology*. 149 (3): 330-334.
- Williams, Jacqueline, Susan Reid\*, Dinah Reddihough\* & Vicki Anderson\* (2011) Motor imagery ability in children with congenital hemiplegia: Effect of lesion side and functional level. *Research in Developmental Disabilities*. 32: 740-748.
- Williams, Jacqueline, Vicki Anderson\*, Dinah Reddihough\*, Susan Reid\*, Nandita Vijayakumar\* & Peter Wilson\* (2011) A comparison of motor imagery performance in children with spastic hemiplegia and development coordination disorder. *Journal of Clinical and Experimental Neuropsychology*. 33 (3): 273-282.
- Wong\*, Eric, Steve Selig & David Hare\* (2011) Respiratory muscle dysfunction and training in chronic heart failure. *Heart Lung and Circulation*. 20 (5): 289-294.

## CONFERENCE PUBLICATIONS

Wright\*, Craig, Steve Atkins\*, Remco Polman, Brian Jones\* & Lee Sargeson\* (2011) Factors associated with goals and goal scoring opportunities in professional soccer. *International Journal of Performance Analysis in Sport*. 11 (3): 438-449.

Young\*, Warren, Damian Farrow, David Pyne\*, Will McGregor\* & Tara Handke\* (2011) Validity and reliability of agility tests in junior Australian football players. *Journal of Strength and Conditioning Research*. 25 (12): 3399-3403.

Zeleznikow, John (2011) Methods for incorporating fairness into the development of an online family dispute resolution environment. *Australasian Dispute Resolution Journal*. 22 (1): 16-21.

Zeleznikow, John (2011) Life at the end of the world was an anti-climax: Memories of sixty years of life of a Jewish partisan in Melbourne. *Holocaust Studies: A journal of culture and history*. 16 (3): 11-32.

Zhang, Xin-Mei, Aimin Xu, Sookja Chung, Justin Cresser, Gary Sweeney, Rachel Wong, Anning Lin & Karen Lam (2011) Selective inactivation of cJun NH2 terminal kinase in adipose tissue protects against diet-induced obesity and improves insulin sensitivity in both liver and skeletal muscle in mice. *Diabetes*. 60 (2): 486-495

Zhang, Zhu & Babs Surujlal\* (2011) Relational demography in coach-athlete dyads. *African Journal for Physical, Health Education, Recreation & Dance*. 17: 31-42.

Zois\*\* , James, David Bishop, Kevin Ball & Robert Aughey (2011) High-intensity warm-ups elicit superior performance to a current soccer warm-up routine. *Journal of Science and Medicine in Sport*. 14: 522-528.

Abrahams\*\*, Brooke, Peter Condliffe\*\* & John Zeleznikow (2011) Using an OWL ontology to support legal negotiation about owners corporation disputes. in *Proceedings of the International Conference on Artificial Intelligence and Law*. Ed(s). T. van Engers. ACM, New York, United States. 194-198.

Blanchonette\*, Ian, Richard Helmer\*, Kevin Ball, Elissa Phillips, Damian Farrow & Aymeric Farouil\* (2011) Validation of e-textile strain sensor technology for measuring knee flexion during kicking. in *Congress of the European College of Sport Science Book of Abstracts*. Ed(s). T. Cable & K. George. Sportools, Liverpool. UK.

Borkoles, Erika & Remco Polman (2011) Drive for muscularity: Role of exercise status and physical self-beliefs in Congress of the European College of Sport Science Book of Abstracts. Ed(s). T. Cable & K. George. Sportools, Liverpool, UK. 490.

Borkoles, Erika & Remco Polman (2011) Motivation for exercise in moderate to severely obese women. in *2nd International Symposium for Collaboration in Research, Teaching and Excellence*. Melbourne, Australia.

Borkoles, Erika & Remco Polman (2011) Improving the effectiveness of lifestyle intervention programmes for clinically obese clients: A case for 'a priori' psychological and physical profiling. in *Obesity Annual Scientific Meeting*. Florida, USA.

Borkoles, Erika & C Rotherham (2011). Do retired professional rugby players exercise because they should? in *International Society for Behavioural Nutrition and Physical Activity Annual Meeting*. Melbourne, Australia.

Brockett, Camilla & Hans Westerbeek (2011) The new era in Australian high performance sport: insights from an international comparative study on elite sport climate and policies. in *Conference of the European Association for Sport Management: Commitment in Sport Management*, Book of Abstracts. Ed(s). H. Gammelsaeter & G. Bielons. GB Creation & Advice Consulting, Madrid, Spain. 319-320.

Bruce\*, Lyndell, Damian Farrow & Annette Raynor\* (2011) The influence of motor skill on decision making across the developmental spectrum. in *Congress of the European College of Sport Science Book of Abstracts*. Ed(s). T. Cable & K. George. Sportools, Liverpool, UK. 306.

Bruch\*, H, Allan Hahn\*, Richard Helmer\*, Colin MacKintosh\*, Ian Blanchonette\* & Michael McKenna (2011) Evaluation of an automated scoring system in a modified form of competitive boxing. in *Procedia Engineering*. 13 (2011): 445-450.

Charry\*, Edgar, Muhammad Umar\* & Simon Taylor (2011) Design and validation of an ambulatory inertial system for 3-D measurements of low back movements. in *International Conference for Intelligent Sensors, Sensor Networks and Information Processing*. Melbourne, Australia. 58-63.

Cornall, Lauren, Michael Mathai, Nancy Capitanio, AC Roy, Paul O'Brien, JM Wentworth & Andrew McAinch (2011) The role of GPR119 in skeletal muscle fatty acid metabolism. in *Australian and New Zealand Obesity Society's 2011 Annual Scientific Meeting Book of Abstracts*. ANZOS, Adelaide, Australia.

Davies, Michael, Warren Young, Damian Farrow & Andrew Bahnert (2011). Comparison of agility demands of two small-sided games in elite Australian Rules football. in *International Conference on Applied Strength and Conditioning*. Gold Coast, Australia.

Eime, Rochelle, Jack Harvey, Caroline Symons, Michael Craike & Warren Payne (2011) Club sport participation among adolescent females: Demographics, access and support characteristics. in *International Society for Behavioural Nutrition and Physical Activity Annual Meeting*. Melbourne, Australia.

Harvey, Jack, Rochelle Eime, Caroline Symons, Melinda Craike, Remco Polman & Warren Payne. (2011) Competence and confidence mediate health benefits of club sport in adolescent girls beyond the effects of physical activity levels. in *Asics Conference of Science and Medicine in Sport*. Fremantle, Australia.

Helmer\*, Richard, Damian Farrow, Kevin Ball, Elissa Phillips, Aymeric Farouil\* & Ian Blanchonette\* (2011) A pilot evaluation of an electronic textile for lower limb monitoring and interactive biofeedback. in *The Impact of Technology on Sport IV*. Ed(s). A. Subic, F. Fuss, F. Alam & P. Clifton. Elsevier, Amsterdam, The Netherlands. 513-518.

Hopwood\*\*, Melissa, Joe Baker\*, Clare MacMahon & Damian Farrow (2011) Organized sports, informal play, and the development of sport expertise: Reliability of retrospective recall. in *Journal of Sport and Exercise Psychology*, Vol. 33 Supplement. Ed. R. Eklund. Human Kinetics, Illinois, USA. S158.

## PUBLICATIONS (CONT.)

Hopwood, Melissa, Joe Baker, Clare MacMahon & Damian Farrow (2011) Social media as a tool for participant recruitment and knowledge translation. in Eastern Canadian Sport and Exercise Psychology Symposium. Waterloo, Canada.

Hopwood, Melissa, Damian Farrow, Clare MacMahon & Joe Baker (2011) Sporting milestones and career of male Australian junior international level team sport athletes. in Proceedings of Canadian Society for Psychomotor Learning and Sport. Manitoba, Canada.

Ingram, S.C., Carter, D.C., Remco Polman & Taylor, J. A. (2011). Mental toughness, stress, appraisal and coping in athletes. in Congress of the European College of Sport Science Book of Abstracts. Ed(s). T. Cable & K. George. Sportools, Liverpool, UK. 225-226.

Lai, Daniel, Marco Hetchl\*, Xiao Chen Wei\*\*\*, Kevin Ball & Patrick McLaughlin (2011) On the difference in swing arm kinematics between low handicap golfers and non-golfers using wireless inertial sensors. in The Impact of Technology on Sport IV. Ed(s). A. Subic, F. Fuss, F. Alam & P. Clifton. Elsevier, NSW, Australia. 219-225.

Levinger, Itamar, Roger Zebaze, A. Ghasem-Zadeh, George Jerums, David Hare, Steve Selig & Ego Seeman (2011) Increased intracortical porosity is associated with higher serum undercarboxylated osteocalcin in middle-aged men. in Australian and New Zealand Bone & Mineral Society Annual Scientific Meeting. Gold Coast, Australia.

Levinger, Itamar, Roger Zebaze, A. Ghasem-Zadeh, George Jerums, David Hare, Steve Selig & Ego Seeman (2011) Bone micro-architecture, muscle strength, and undercarboxylated osteocalcin in middle-aged men. in American Society for Bone and Mineral Research Annual Meeting. San Diego, USA.

Levy, Andrew, Adam Nicholls & Remco Polman (2011). The self-confidence-performance relationship. The mediating role of coping. in Congress of the European College of Sport Science Book of Abstracts. Ed(s). T. Cable & K. George. Sportools, Liverpool, UK. 221.

McAinch Andrew, Lauren Cornall & Michael Mathai (2011) The effect of a high fat diet on the tissue expression of GPR120 and GPR43 in rats. in Australian and New Zealand Obesity Society's 2011 Annual Scientific Meeting Book of Abstracts. ANZOS, Adelaide, Australia.

Morris, Tony, Melissa Moore & Erika Borkoles (2011). Physical activity consultation for overweight, depressed women with type 2 diabetes mellitus. in European Congress of Sport Psychology on Human Performance, Well-being and Health. Madeira, Portugal.

O'Keefe Lannie, E Grinfeld E, Paul O'Brien, Michael Mathai & Andrew McAinch (2011) Determining the effects of blocking cannabinoid receptors on adiponectin signalling in cultured human skeletal muscle myotubes. in Australian and New Zealand Obesity Society's 2011 Annual Scientific Meeting Book of Abstracts. ANZOS, Adelaide, Australia.

Ofoghi, Bahadorreza, John Zeleznikow & Clare MacMahon (2011) A hybrid probabilistic and combinatorial optimization approach to analyzing rowing performance measures. in Pacific Asia Conference on Information Systems Proceedings. Association for Information Systems, Electronic. 1-12.

Polman, Remco & Erika Borkoles (2011) Exercise status, Type D personality, and physical self-description in males. in International Society for Behavioural Nutrition and Physical Activity Annual Meeting. Melbourne, Australia.

Polman, Remco & Mariana Kaiseler (2011) Gender differences in stress and coping during the execution of a complex motor task. in Congress of the European College of Sport Science Book of Abstracts. Ed(s). T. Cable & K. George. Sportools, Liverpool, UK. 291-292.

Polman, Remco, Mariana Kaiseler & Erika Borkoles (2011) Effects of Type D personality on stress appraisal, coping and coping effectiveness in athletes. in Congress of the European College of Sport Science Book of Abstracts. Ed(s). T. Cable & K. George. Sportools, Liverpool, UK. 292.

Razak Abdur, Aladin Zayegh, Rezaul Begg & Alex Stojevski (2011) Smart wireless foot plantar pressure measurement systems. in Proceedings of the Jordanian International Electrical and Electronics Engineering Conference. Amman, Jordan.

Romero, Vivian (2011) Four dimensions of neighbourhood form related to children's walks to school. in State of Australian Cities National Conference Full Papers. State of Australian Cities, Melbourne, Australia.

Romero, Vivian (2011) I want beautification instead of concrete: Children's view of what interests them as they walk to and from school. in Proceedings of World Planning Schools Congress. Ed. P. Maginn. University of Western Australia, Perth, Australia. 1-14.

Santhiranayagam\*\*, Braveena, Daniel Lai, Rezaul Begg & Marimuthu Palaniswami\* (2011) Estimation of end point foot clearance points from inertial sensor data. in International Conference of the Engineering in Medicine and Biology Society. IEEE, USA. 6503-6506.

Santhiranayagam\*\*, Braveena, Daniel Lai, Alistair Shilton\*, Rezaul Begg & Marimuthu Palaniswami\* (2011) Regression models for estimating gait parameters using inertial sensors. in International Conference on Intelligent Sensors Sensor Networks and Information Processing. Ed(s). In press. IEEE, Adelaide, Australia.

Simcocks, Anna, Lauren Cornall, Michael Mathai, Deanne Hryciw & Andrew McAinch (2011) Putative endocannabinoid receptor GPR55 is expressed in skeletal muscle. in Australian and New Zealand Obesity Society's 2011 Annual Scientific Meeting Book of Abstracts. ANZOS, Adelaide, Australia.

Spittle, Sharna, Anthony Watt & Michael Spittle\* (2011) The development of a questionnaire to measure the confidence of teachers to teach primary school physical education. in International ACHPER Conference. Ed. G. Dodd. Adelaide, Australia. 248-254.

Vaughan, Brett, Patrick McLaughlin, Gary Fryer & Roger Gabb (2011) A model of assessment of overseas-qualified osteopaths for their suitability to practice in Australia. In International Osteopathic Education Conference 2011. British School of Osteopathy, London, UK.

Vaughan, Brett, Patrick McLaughlin, Gary Fryer & Roger Gabb (2011) Assessing clinical competence in Osteopathy: Advantages and disadvantages of various assessment methods. British School of Osteopathy, London UK.

Young, Warren, Michael Davies, Damian Farrow & Andrew Bahnert (2011). Variability of the agility training stimulus in small-sided games in elite Australian Rules football. in International Conference on Applied Strength and Conditioning. Gold Coast, Australia.

Zeleznikow, John & Emilia Bellucci\* (2011) Classifying online dispute resolution through a comparison of family mediation and the Israel-Palestinian conflict. in Proceedings of the International Conference on Artificial Intelligence and Law. Ed(s). T. van Engers. Association for Computing Machinery, New York, United States. 136-140.

Zois, James, David Bishop, Ian Fairweather & Robert Aughey (2011) High-intensity re-warm-ups improve secondary periods of physical and skilled soccer performance. in World Congress on Science and Football. Nagoya, Japan.

## PATENTS

Rouffet, David, Robert Stokes & Raoul Luescher\* (2011) Sensing device. Australia. 2011901094

## GENERAL PUBLIC OUTPUTS

Farrow, Damian (2011) Public Lecture, Talk or Guest Lectureship. The influence of handedness on decision making. Decision Making and Emotion Workshop. Caen, France.

Farrow, Damian (2011) Public Lecture, Talk or Guest Lectureship. Sports skill acquisition: An Australian perspective. INSEP Workshop. Paris, France.

Farrow, Damian (2011) Public Lecture, Talk or Guest Lectureship. Sports skill acquisition: An Australian perspective. Department of Psychology, Queens University. Belfast, Ireland.

Fryer, Gary (2011) Public Lecture, Talk or Guest Lectureship. Clinical integration of advanced muscle energy approaches. Centre de Formation Professionnelle Continue en Osteopathie Workshop. Paris, France.

Fryer, Gary (2011) Public Lecture, Talk or Guest Lectureship. Evidence-based medicine or evidence-informed osteopathy: What do we know and how can it help us? European School of Osteopathy - Workshop. Kent, UK.

Holbeck, James & Damian Farrow (2011) Online Article. Art or science? Decision-making in rugby. The Conversation.

Klugman, Matthew & Alex McDermott (2011). Online Article. The Roebuck we knew. The Drum, ABC.

Klugman, Matthew (2011) Newspaper Article. The passions and discontents provoked by a pigskin. Plane Tree. 17 (2): 6-9.

Klugman, Matthew (2011) Online Article. Cricket: An absurd matter of national import. The Drum, ABC.

Romero, Vivian (2011) Public Lecture, Talk or Guest Lectureship. Follow my footsteps: Parent and family physical activity behaviours. ISEAL, Victoria University Melbourne, Australia.

Romero, Vivian (2011) Public Lecture, Talk or Guest Lectureship. (Transcripts): Inquiry into environmental design and public health. Environment and Planning References Committee, Melbourne, Australia.

Rouffet, David (2011) Internal Newsletter. VU Scientist enhance cycling performance. VU Research Matters.

Rouffet, David (2011) Online Article. The science of elite cycling: Tour de France (stages 1 to 11). The Conversation.

Rouffet, David (2011) Online Article. The science of elite cycling: Tour de France (stages 12 to 21). The Conversation.

Rouffet, David (2011) Internal Newsletter. German collaboration for French researcher. VU Research Matters.

Rouffet, David (2011) Online Article. Cadel Evans and other machines: The science of the Tour de France time trial. The Conversation.

Rouffet, David & Raoul Luescher\* (2011) Online Article. High-end bikes for sale... but what are you really buying? The Conversation.

Tibbals, Sue, Hans Westerbeek, Crista Cullen & Rebecca Hopkins (2011) Magazine Article. Growth of women's sport. SportBusiness International. 168: 75.

Westerbeek, Hans (2011) Newspaper Article. Topsport en wetenschap in Australië. Sport and Strategie, The Netherlands. 5 (8): 15.

Westerbeek, Hans (2011) Newspaper Article. Op zoek naar duurzaam voordeel op de concurrentie. Sport & Strategie, The Netherlands. 5 (7): 15.

Westerbeek, Hans (2011) Newspaper Article. Het bouwen van een stadmerk door middel van sportevenementen. Sport & Strategie, The Netherlands. 5 (5): 14.

Westerbeek, Hans (2011) Newspaper Article. De eerste IOC-stem voor de Olympische Spelen in Nederland is binnen! Sport & Strategie, The Netherlands. 5 (2): 19.

Westerbeek, Hans (2011) Magazine Article. Crime pays for Brazil in Olympic Games bid. Online opinion: Australia's e-journal of social and political debate.

Westerbeek, Hans (2011) Newspaper Article. Invasie van de Aussies. Sport and Strategie, The Netherlands. 5 (1): 18-19.

Westerbeek, Hans (2011) Newspaper Article. Innoveren in de Australische sport. Sport and Strategie, The Netherlands. 5 (1): 19.

Westerbeek, Hans (2011) Online Article. The beautiful game? Why claims of corruption in FIFA have destroyed football for the fans. The Conversation.

Westerbeek, Hans (2011) Newspaper Article. Waarom Nederland de Olympics Spelen moet organiseren. Sport Strategie, The Netherlands. 5 (2): 8-15.

Westerbeek, Hans (2011) Public Lecture, Talk or Guest Lectureship. International sport business and city marketing through sport. Expert Class, Free University of Brussels. Brussels, Belgium.

Westerbeek, Hans (2011) Public Lecture, Talk or Guest Lectureship. Sport = Business: About value and innovation in sport. Seminar, Free University of Brussels. Brussels, Belgium.

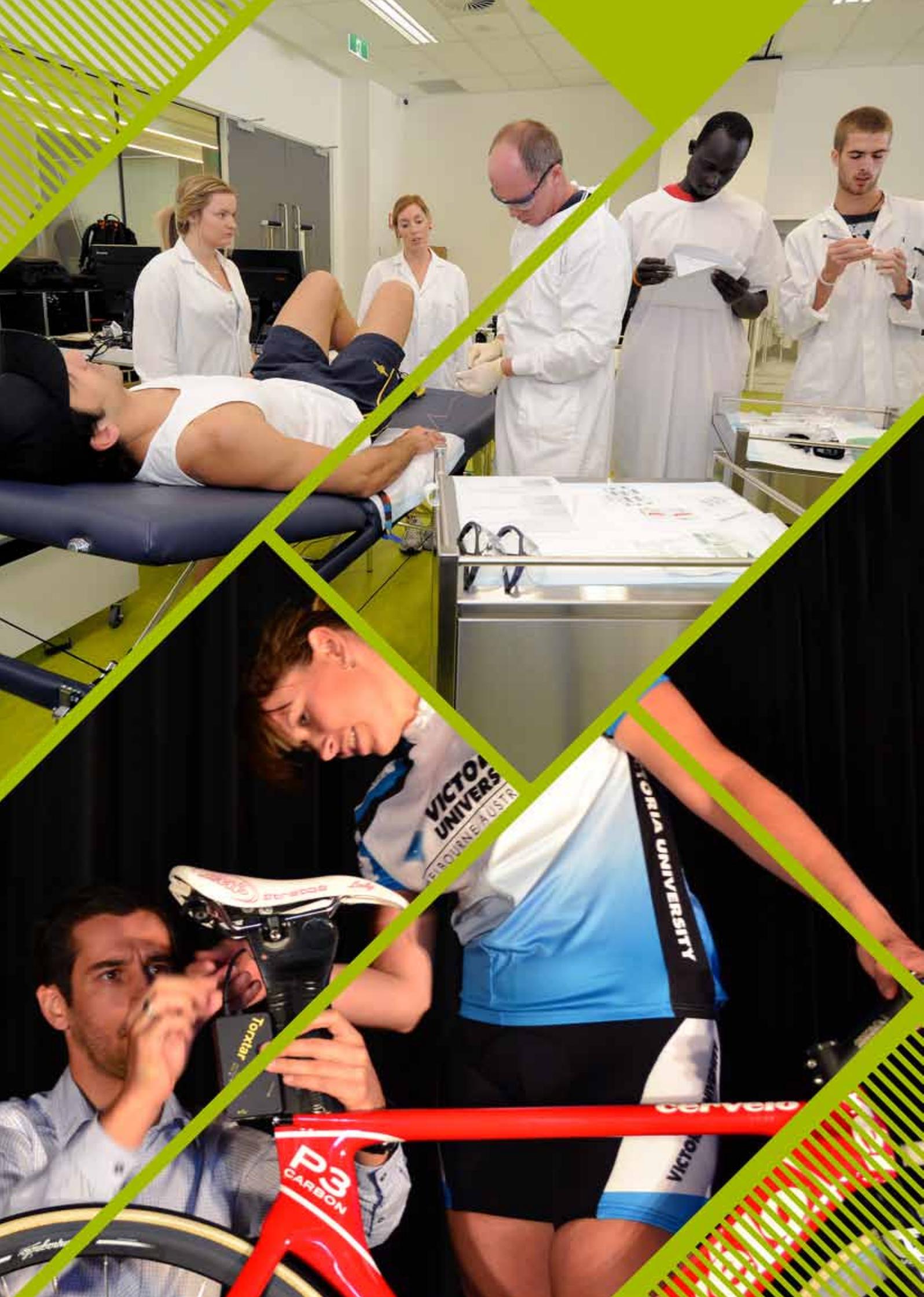
Westerbeek, Hans (2011) Public Lecture, Talk or Guest Lectureship. Speech at the launch of the Sport and Learning Precinct at Victoria University. Melbourne, Australia.

Westerbeek, Hans (2011) Public Lecture, Talk or Guest Lectureship. Speech at the launch of the strategic partnership between the Australian Sports Commission and Victoria University. Melbourne, Australia.

Williams, Jacqueline (2011) Public Lecture, Talk or Guest Lectureship. Motor imagery deficits in children with spastic hemiplegic cerebral palsy. Nijmegen Institute for Cognition and Information, University of Nijmegen, The Netherlands.

Williams, Jacqueline (2011) Public Lecture, Talk or Guest Lectureship. Motor imagery ability of children with motor skill impairment: Studies with children with spastic hemiplegic cerebral palsy (CP), developmental coordination disorder (DCD) and attention deficit/hyperactivity disorder (ADHD). Institute for Performance Research, Manchester Metropolitan University, Crewe, England.

Williams, Jacqueline (2011) Public Lecture, Talk or Guest Lectureship. Corticospinal facilitation during motor imagery and movement observation: Implications for motor rehabilitation. Evelina Children's Hospital, Guy's and St Thomas' NHS, London, UK.



## PUBLICATIONS (CONT.)

### CONFERENCE PRESENTATIONS

Addamo, Patricia, Maree Farrow, John Bradshaw, Simon Moss & Nellie Georgiou-Karistianis. Poster Presentation (2011) The progression of motor overflow across trial time in development and ageing. Motor Control and Human Skill Conference. Mandurah, Western Australia. 29 November 2011.

Andersen, Mark. Speaker (2011) Presence, attunement, and resonance times three: Mindfulness for athletes, practitioners, and supervisors. Association for Applied Sport Psychology Annual Conference. Hawaii, USA. 20 September 2011.

Andersen, Mark. Invited Speaker (2011) The sport psychologist malgré lui: First there is a mountain; then...Association for Applied Sport Psychology Annual Conference. Hawaii, USA. 20 September 2011.

Andersen, Mark. Keynote Speaker (2011) The dark side of physical fitness: Pathogenic cultures, mental health, and overtraining. International Congress of Sport and Physical Fitness. Tehran, Iran, February 15 2011.

Baka, Richard. Speaker (2011) Olympic glory: An analysis of Australia's success at the Olympics. North American Society for Sport Management Conference. Ontario, Canada. 1 June 2011.

Baka, Richard. Speaker (2011) Winter Olympic Games opening ceremonies: Did Vancouver try to raise the bar too high? 2nd International Symposium for Collaborations in Research, Teaching and Exchange. Melbourne, Australia. 7 April 2011.

Baka, Richard & Fabian Feindler\*\* . Speakers. (2011) The concept of national Olympic committee Olympic houses. 2nd International Symposium for Collaboration in Research, Teaching and Exchange. Melbourne, Australia. 7 April 2011.

Baka, Richard, Kristine Toohey\*, Richard Cashman\*, Kevan Gosper\* & Kerri Tepper\*. Speakers (2011) Panel discussion on a Melbourne Olympic bid? 2nd International Symposium for Collaboration in Research, Teaching and Exchange. Melbourne, Australia. 7 April 2011.

Ball, Kevin. Invited Speaker (2011) Biomechanics of kicking. The Australian Council for Health, Physical Education and Recreation Conference. Melbourne, Australia. 25 August 2011.

Ball, Kevin Invited Speaker (2011) Effective kicking. Australian Football League Coaches Conference. Melbourne, Australia. 10 February 2011.

Ball, Kevin Plenary Speaker (2011) Biomechanics of punt kicking. World Congress on Science and Football. Nagoya Japan. 26 May 2011.

Banting, Lauren, Rochelle Eime, Melinda Craike, Jack Harvey, Caroline Symons, Remco Polman & Warren Payne. Poster Presentation (2011) Differences in motivation for girl's participation in physical activity: Metropolitan-rural considerations. International Society for Behavioural Nutrition and Physical Activity Annual Meeting. Melbourne, Australia. 15 June 2011.

Billaut, Francois. Invited Speaker (2011) Putting research into practice: Enhancing repeated-sprint performance. Canadian Society for Exercise Physiology Annual General Meeting. Quebec, Canada. 19 October 2011.

Billaut, Francois. Keynote Speaker (2011) Altitude training for team sports. Sports Dieticians Australia Conference. Melbourne, Australia. 14 October 2011.

Billaut, Francois. Keynote Speaker (2011) Muscle recruitment strategies during high-intensity exercise. The Future of Fatigue – Defining the Problem Symposium. Bathurst, Australia. 22 August 2011.

Billaut, Francois. Invited Speaker (2011) Motor performance during sprint exercise: The regulation of muscle recruitment. Dutch High Performance Delegation Forum. Melbourne, Australia. 27 August 2011.

Billaut, Francois. Invited Speaker (2011) Tissue oxygenation during exercise. 2nd International Symposium for Collaboration in Research, Teaching and Exchange. Melbourne, Australia. 7 April 2011.

Billaut, Francois & Martin Buchheit. Speakers (2011) Hypoxia lowers muscle re-oxygenation during repeated sprints. American College of Sports Medicine Annual Meeting. Denver, USA. 1 June 2011.

Bishop, David, Alessandra Ferri, Ilaria Rivolta, Alice Panariti, Antonio Zaza & Giuseppe Miserocchi. Speakers (2011). The effects of normobaric hypoxia on mitochondrial adaptations in rats. European College of Sports Science Annual Congress. Liverpool, UK. 6 July 2011.

Bishop, David, Olivier Girard & Sebastien Racinais. Poster Presentation (2011) Neuromuscular adjustments to repeated cycling sprints. European College of Sports Science Annual Congress. Liverpool, UK. 6 July 2011.

Bishop, David. Keynote Speaker (2011) The future of sport science. International Scientific Conference on Kinesiology, Opatija, Croatia. 8 September 2011.

Burke, Michael. Speaker (2011) Drugs in sport: Why coercion arguments are misplaced. 2nd International Symposium for Collaboration in Research, Teaching and Exchange. Melbourne, Australia. 7 April 2011.

Casey, Meghan, Amanda Mooney, Jack Harvey, Rochelle Eime, Amanda Telford, John Smyth & Warren Payne. Poster Presentation (2011) Triple G (girls get going): Design of an intervention to foster and promote sport and physical activity among adolescent girls. Asics Conference of Science and Medicine in Sport. Fremantle, Australia. 19 October 2011.

Dingle, Greg & Colin Hocking. Invited Speakers (2011) Learning to teach green: Developing and teaching an undergraduate EFS subject for sport and recreation management. American Association for Sustainability in Higher Education Conference. Pittsburgh, USA. 9 October 2011.

Dulka, Travis, Cedric Lamboley, Robert Murphy, Michael McKenna & Graham Lamb. Poster Presentation (2011) Effects of carnosine on sarcoplasmic reticulum calcium handling in human vastus lateralis muscle fibres. Australian Physiological Society National Symposium. Perth, Australia. 4 December 2011.

Eime, Rochelle, Jack Harvey, Melinda Craike, Caroline Symons, Remco Polman, & Warren Payne. Poster Presentation (2011) Family support and ease of access mediate associations between socioeconomic status and sports club membership in adolescent girls. Asics Conference of Science and Medicine in Sport. Fremantle, Australia. 19 October 2011.

Eynon, Nir. Keynote Speaker (2011) Genes and elite athletes' status: Past, present and future. Epigenetic resetting: From genomic imprinting to environmental factors in health and disease. University of Milano Bicocca. Milano, Italy. 3 May 2011.

Farrow, Damian. Keynote Speaker (2011) Teaching sports skill effectively: Challenges to current practice. Australian Council for Health, Physical Education and Recreation International Conference (SA) Secondary Conference. Adelaide, Australia.

Farrow, Damian. Keynote Speaker (2011) Harnessing technology in sport: Keeping it real. Technologies in Sport: Performance, Bodies and Ethics Symposium. Otago, New Zealand.

## PUBLICATIONS (CONT.)

Farrow, Damian. Invited Speaker (2011) The application of interactive garments in skill learning. Technologies in Sport: Performance, Bodies and Ethics Symposium. Otago, New Zealand.

Farrow, Damian. Invited Speaker (2011) Learning from the developmental pathways of sports experts. Sport Business World Summit. Sydney, Australia.

Farrow, Damian. Keynote Speaker (2011) Applying skill acquisition principles in high performance sport: Opportunities and challenges. 2nd International Symposium for Collaboration in Research, Teaching and Exchange. Melbourne, Australia.

Farrow, Damian. Invited Speaker (2011) Getting value for money out of practice your time. Tennis Australia High Performance Coaches Conference. Melbourne, Australia.

Frew, Elspeth & Leanne White. Speakers (2011) Place perception and national identity: Exploring dark tourism sites in Australia. Council for Australian University Tourism and Hospitality Education National Conference. Adelaide, Australia. 8 February 2011.

Junek, Olga, Leonie Lockstone-Binney & Martin Robertson. Speakers (2011) Role of awards in enhancing professionalization in event management. Australia and New Zealand Association for Leisure Studies Biennial Conference. Dunedin, New Zealand. 6 December 2011.

Klugman, Matthew. Invited Speaker (2011) Sites of passion, sites of memory: How readings of the past shape online sport fansites. North American Society for Sports History Annual Conference. Texas, USA. 27 May 2011.

Klugman, Matthew & Francesco Ricatt. Speakers (2011) Between sentimentalism and censure: Approaching Italian migrants and the football codes. Biennial Conference of the Australian Society for Sports History. New South Wales, Australia. 5 July 2011.

Hess, Rob & Matthew Klugman. Speakers (2011) History, heritage and football studies: 'Learning in the workplace and community' initiatives and tertiary curriculum development at the Western Bulldogs Football Club. Biennial Conference of the Australian Society for Sports History. New South Wales, Australia. 5 July 2011.

Lamboley, Cedric, Robert Murphy, Michael McKenna & Graham Lamb. Poster Presentation (2011) Quantification of endogenous and maximal sarcoplasmic reticulum calcium content in human vastus lateralis muscle. Australian Physiological Society National Symposium. Perth, Australia. 4 December 2011.

Levinger, Itamar, Marissa Caldwell, Pazit Levinger, Julian Feller, John Bartlett, Neil Bergman, Michael McKenna & David Cameron-Smith. Invited Speakers (2011) Muscle inflammation in patients with knee osteoarthritis. 2nd International Symposium for Collaboration in Research, Teaching and Exchange. Melbourne, Australia. 7 April 2011.

Levinger, Itamar. Invited Speaker (2011) Exercise in patients with metabolic syndrome and cardiac disease. Victorian Association of Cardiac Rehabilitation Annual Conference. Melbourne, Australia. 24 October 2011.

Levinger, Itamar. Invited Speaker (2011) Bone and glycaemic control: Effects of exercise. Exercise and Sports Australia Victoria Research Series. Melbourne, Australia. 23 March 2011.

McAinch, Andrew. Invited Speaker (2011) Endocannabinoid regulation of skeletal muscle metabolism: Is it still a target for obesity and diabetes? BIT's Annual Congress of International Drug Discovery Science and Technology. Shenzhen, China, 3 November 2011.

McAinch, Andrew, JF Briffa & Deanne Hryciw. Invited Speakers (2011) Characterisation of the molecular targets in leptin-mediated renal tubule signalling. BIT's Annual Congress of International Drug Discovery Science and Technology. Shenzhen, China, 3 November 2011.

McDonald, Brent. Speaker (2011) Living at the boathouse: Identity construction within a Japanese university rowing club. Japanese Studies Association of Australia Conference. Melbourne, Australia. 4 July 2011.

McDonald, Brent. Speaker (2011) The politics of Pacific Islander identity in Australia: Victorian rugby, embodied capital and the construction of Pacific Islander identity. International Sociology of Sport Association World Congress. Havana, Cuba. 10 July 2011.

McKenna, Michael. Speaker (2011) Potassium homeostasis, exercise and muscle fatigue. 2nd International Symposium for Collaboration in Research, Teaching and Exchange. Melbourne, Australia. 7 April 2011.

McKenna, Michael. Speaker (2011) Potassium regulation during exercise and recovery: Effects of rowing, salbutamol, and digoxin on arterial plasma [K<sup>+</sup>]: K<sup>+</sup> disturbances in some sudden cardiac death? Cardiac Arrest and Sudden Death Conference. Copenhagen, Denmark. 16 June 2011.

McKenna, Michael. Speaker (2011) Ageing and muscle NKA; Salbutamol, rowing and arterial [K<sup>+</sup>]. Victorian Muscle and Exercise Group Meeting, Melbourne, Australia.

McKenna, Michael. Facilitator (2011) Postgraduate student research in sport, exercise and active living. ISEAL Postgraduate Research Student Conference. Melbourne, Australia. 26 September 2011.

Moroney, Brian & Bob Stewart. Speakers (2011) Sport supplements: Legitimate performance booster or policy nightmare? Sport Management Association of Australia and New Zealand Annual Conference. Melbourne, Australia. 23 November 2011.

Newland, Brianna & Christine Green\*. Convenors (2011) Improving organizational effectiveness: Understanding athletes' socio-cultural adaptation. North American Society for Sport Management Conference. Ontario, Canada. 1 June 2011.

Newland, Brianna & Pamm Kellett\*. Convenors (2011) Considering new models for sport development: Event management companies as providers. Sport Management Association of Australia and New Zealand Conference. Melbourne, Australia. 23 November 2011.

Orbell, Sharon & Clare Hanlon. Speakers (2011) Engagement and partnership with the AFL Western Bulldogs: Moving from an organic to a strategic and sustainable model. Sport Management Association of Australia and New Zealand Annual Conference. Melbourne, Australia. 24 November 2011.

Pace\*, Carmen, Jacqueline Williams, Peter Anderson\* & Alasdair Vance\*. Poster Presentation (2011) Self-worth and perceived social support in children with DCD & ADHD. International Conference on Developmental Coordination Disorder. Lausanne, Switzerland. 22 June 2011.

Panchuk, Derek, David Mann\*, Damian Farrow & Kevin Ball. Speakers (2011) Gaze behaviour during a locomotor pointing task. World Congress on Science and Football. Nagoya, Japan. 26 May 2011.

Panariti, Alice, Alessandra Ferri, David Bishop, Giuseppe Miserocchi & Ilaria Rivolta. Poster Presentation (2011) Lung regional differences in mitochondrial activity and tissue adaptation to chronic hypoxia. European Respiratory Society Annual Congress. Amsterdam, Netherlands. 24 September 2011.

Perrey, Stephane, C Thomas, R Delfour, Pierre-Marie Lepretre, Sylvain Dorel, David Bishop & Christine Hanon. Speakers (2011). No effect of induced alkalosis on cerebral deoxygenation during supramaximal exercise. European College of Sports Science Annual Congress. Liverpool, UK. 6 July 2011.

Polman, Remco. Speaker (2011) Self-determination theory and sport injury rehabilitation. 2nd International Symposium for Collaboration in Research, Teaching and Exchange. Melbourne, Australia.

Ricatti, Francesco & Matthew Klugman. Speakers (2011) Football and multiculturalism in Australia: The Italian case. Biennial Conference of the Australasian Centre for Italian Studies. Melbourne, Australia. 13 July 2011.

Robertson, Martin, Ian Yeoman & Karen Smith. Speakers (2011) The future of events: The issue of professionalism. Australia and New Zealand Association for Leisure Studies Biennial Conference. Dunedin, New Zealand. 6 December 2011.

Rouffet, David. Invited Speaker (2011) Brain and muscle during exercise – muscles during exercise. What are they saying? 2nd International Symposium for Collaboration in Research, Teaching and Exchange. Melbourne. 7 April 2011.

Rouffet, David, Dan Dwyer\*, Robert Stokes & Ian Fairweather. Poster Presentation (2011) New insights into maximal torque-and power-pedaling rate relationships of sprint cyclists. Australasian Biomechanics Conference. Canberra, Australia. 28 November 2011.

Selva Raj, Isaac, Stephen Bird\*, Ben Westfold\* & Anthony Shield\*. Speakers (2011) Effects of eccentrically biased versus conventional weight training in older adults. Australian Conference of Science and Medicine in Sport. Fremantle, Australia. 19 October 2011.

Stewart, Bob, Brian Moroney & Aaron Smith. Speakers (2011) Capital building through gym work: A qualitative analysis. Australia and New Zealand Association for Leisure Studies Biennial Conference. 6 December 2011.

Stewart, Bob. Speaker (2011) Policy options for sports drug management. Asics Conference of Science and Medicine in Sport. Fremantle, Australia. 19 October 2011.

Stojanovska, Lily, Cindy Law, Beatrice Lai, Tony Chung & Christopher Haines. Speakers (2011) Translation and cultural adaptation of the utian quality of life and the women's health questionnaire scales into traditional Chinese. World Congress on Menopause. Rome, Italy. 8 June 2011.

Stojanovska, Lily, Cindy Law, Beatrice Lai, Tony Chung & Christopher Haines. Speakers (2011) The effect of lepidium meyenii (maca) on physiological and psychological parameters in postmenopausal Hong Kong Chinese women. World Congress on Menopause. Rome, Italy. 8 June 2011.

Stojanovska, Lily, Kristina Nelson, Vasso Apostolopoulos & Stephanie Day. Speakers (2011) The use of maca (lepidium meyenii) on plasma glucose and cytokine patterns in postmenopausal Hong Kong Chinese women. North American Menopause Society Annual Meeting. Washington, USA. 21 September 2011.

Stojanovska, Lily, Cindy Law, Beatrice Lai, Tony Chung & Christopher Haines. Speakers. (2011) Cultural adaptation and translation of quality of life scales into traditional Chinese. Australasian Menopause Society Congress. Brisbane, Australia. 9 September 2011.

Stojanovska, Lily. Speaker (2011) The role of insulin sensitizers in the management of insulin resistance and type 2 diabetes. BIT's Annual Congress of International Drug Discovery Science and Technology. Shenzhen, China. 3 November 2011.

Sundstrom, Lenora, Daryl Marchant & Caroline Symons. Speakers (2011) Women leaders in sport: The Australian situation in an international context. Sport Management Association of Australia and New Zealand Annual Conference. Melbourne, Australia. 23 November 2011.

Sundstrom, Lenora, Daryl Marchant & Caroline Symons. Speakers (2011) Women in elite-level sport leadership: Coaches, officials and administrators. Sport Management Association of Australia and New Zealand Annual Conference. Melbourne, Australia. 23 November 2011.

Symons, Caroline. Speaker (2011) The !!! at the end of the swim competition. Queering sport through pink flamingos. Histories of Sexuality Conference. Newcastle, Australia. 21 July 2011.

Symons, Caroline & Matthew Klugman. Speakers (2011) Loud noises, louder silences: Akermanis, AFL, homophobia and the reception of research into sport and sexuality in Victoria. Histories of Sexuality Conference. Newcastle, Australia. 21 July 2011.

Symons, Caroline, Ben Hartung\*, Peter Gourlay\* & Gillian Fletcher\*. Speakers (2011) Fair go sport! A game of four quarters. Sport Management Association of Australia and New Zealand Conference. Melbourne, Australia. 23 November 2011.

Tower, John & Zhu Zhang. Speakers (2011) University sport impact on student social capital. Sport Management Association of Australia and New Zealand Conference. Melbourne, Australia. 23 November 2011.

Westerbeek, Hans. Keynote Address (2011) Sport in the Melbourne economy. SportWest Symposium. Melbourne, Australia. 2 December 2011.

Westerbeek, Hans. Chair/Facilitator (2011) Sport Business World 3. Sydney, Australia. 27-28 June 2011.

Westerbeek, Hans. Keynote Address (2011) Medal winning success and elite sport policies, is there a relationship? Sport Business World Summit. Sydney, Australia. 27 June 2011.

Westerbeek, Hans & Camilla Brockett. Speakers (2011) Sport policy factors leading to international sporting success (SPLISS): The case of Australia. 2nd International Symposium for Collaboration in Research, Teaching and Exchange. Melbourne, Australia. 7 April 2011.

White, Leanne. Speaker (2011) Marketing slow food and tourism: Exploring the slow food phenomenon in a fast food world. World Research Summit for Tourism and Hospitality. Kowloon, Hong Kong. 10 December 2011.

White, Leanne. Speaker (2011) Selling the national story: Examining the Olympic Games opening ceremony. International Tourism and Media Conference. Melbourne, Australia. 28 November 2011.

White, Leanne. Speaker (2011) Rupertswood and Sunbury: Commemorating cricket and the birthplace of The Ashes. Biennial Conference of the Australian Society for Sports History. NSW, Australia. 5 July 2011.

## PUBLICATIONS (CONT.)

Williams, Jacqueline, Cristina Omizzolo & Alasdair Vance\*. Speakers (2011) Are motor imagery deficits evident in children with both DCD and ADHD. International Conference on Developmental Coordination Disorder. Lausanne, Switzerland. 22 June 2011.

Williams, Jacqueline, Michela Loporto\*, Alan Pearce\*, Tony Morris & Paul Holmes\*. Speakers (2011) The relationship between corticospinal excitability during motor imagery and motor imagery ability. Motor Control and Human Skill Conference. Mandurah, Western Australia. 29 November 2011.

Young, Janet. Speaker (2011) The spotlight on communication skills for effective inclusive coaching of persons with a disability. International Tennis Federation Worldwide Coaches Conference. Port Ghalib, Egypt. 20 November 2011.

Young, Janet. Speaker (2011) Lessons from conducting Tennis Australia's MLC Tennis Hot Shots to children with a disability. International Tennis Federation Worldwide Coaches Conference. Port Ghalib, Egypt. 20 November 2011.

Young, Janet. Speaker (2011) Talent development: perspectives from Australian coaches and parents of professional female players. International Tennis Federation Worldwide Coaches Conference. Port Ghalib, Egypt. 20 November 2011.

Young, Janet. Speaker (2011) 'Give them a Go': Insights gained from conducting a cricket program for persons with an intellectual disability. Australian Council for Health, Physical Education and Recreation International Conference. Adelaide, Australia. 18 April 2011.

Young, Janet. Speaker (2011) Pressure is a privilege: What are the implications for 'choking'? Victorian Sport Psychology Conference. Melbourne, Australia. 19 December 2011.

Young, Janet & Anne Browne. Speakers (2011) Give persons with an intellectual disability 'a go'. Victorian Sport Psychology Conference. Melbourne, Australia. 19 December 2011.

Young, Janet. Speaker (2011) Who are the mentally tough tennis players and what do they possess? Victorian Sport Psychology Conference. Melbourne, Australia. 19 December 2011.

## MEMBERSHIPS, APPOINTMENTS AND AWARDS

Baka, Richard (2011) Best 2010 Research Article in the Journal of Olympic History. International Society of Olympic Historians.

Begg, Rezaul (2011) Editorial Board Member. Journal of Computer Networks and Communications.

Farrow, Damian (2011) Decision Making Consultant. Australian Football League Umpiring Department.

Farrow, Damian (2011) Member. Sport Science and Medicine Advisory Panel, Surfing Australia.

McAinch, Andrew (2011) Associate Editor. Nutrition and Dietetics.

McAinch, Andrew (2011) Editorial Board Member. PPAR Research.

McAinch, Andrew (2011) Deputy Leader. Biomedical and Lifestyle Diseases (BioLED) Unit, School of Biomedical and Health Science.

McAinch, Andrew (2011) Member of Executive – Treasurer. Australian and New Zealand Obesity Society.

Symons, Caroline (2011) National Book Prize. Australian Society for Sport History Biannual National Book Award.

## EXAMINATIONS, REVIEWS AND ASSESSMENTS

Andersen, Mark (2011) Assessor of manuscript. The Sport Psychologist, Journal of Applied Sport Psychology, Journal of Sport and Exercise Psychology, Psychology of Sport and Exercise, Sport Exercise, and Performance Psychology.

Ball, Kevin (2011) Examiner of Higher Degree Thesis. University of Limerick.

Ball, Kevin (2011) Assessor of Manuscript. Journal of Biomechanics, Human Movement Science, Journal of Sports Sciences.

Ball, Kevin (2011) Editorial Reviewer. Sports Biomechanics.

Begg, Rezaul (2011) Assessor of Grant Application. Australian Research Council (Discovery Projects), Australian Research Council (Linkage Projects).

Begg, Rezaul (2011) Assessor of Manuscript. Journal of Biomechanics, Assessor of Manuscript. Gait and Posture.

Begg, Rezaul (2011) Editorial Reviewer. Journal of Computer Networks and Communications, Sensors.

Begg, Rezaul (2011) Examiner of Higher Degree Thesis. The University of Melbourne.

Burke, Michael (2011) Editorial Reviewer. Journal of Philosophy of Sport.

Farrow, Damian (2011) Editorial Board Member/Reviewer. Journal of Science and Medicine in Sport, International Journal of Sports Science and Coaching.

Farrow, Damian (2011) Reviewer. Journal of Sports Sciences, Psychology of Sport and Exercise, Science and Football VII Proceedings.

Farrow, Damian (2011) Examiner. PhD Dissertation, University of Western Australia.

Levinger, Itamar (2011) Reviewer of Grant Application. Diabetes UK, Diabetes Australia Research Trust.

Newland, Brianna (2011) Assessor of Manuscript. Sport Management Review, Health Promotion Practice, Journal of Sport and Tourism.

Ofoghi, Bahadorreza (2011) Editorial Reviewer. Journal of Science and Medicine in Sport, Journal of Research and Practice in Information Technology.

Romero, Vivian (2011) Assessor of Manuscript. Brimbank City Council, Community Safety Issues Paper.

Rouffet, David (2011) Assessor of Manuscript. Medical Engineering and Physics, Scandinavian Journal of Medicine and Science in Sports.

Stepo, Nigel (2011) Examiner of Higher Degree Thesis. Massey University.

Vaughan, Brett (2011) Editor (Clinical Practice). International Journal of Osteopathic Medicine.

Vaughan, Brett (2011) Assessor of Manuscript. Manual Therapy, Chiropractic and Manual Therapy.

Vaughan, Brett (2011) Examiner of Higher Degree Thesis. Unitec.

Williams, Jacqueline (2011) Assessor of Manuscript. Behaviour Research Methods, Human Movement Science.

Williams, Jacqueline (2011) Assessor of Grant Application. National Health and Medical Research Council.

## GOVERNMENT REPORTS

McAinch, Andrew, Aimee Segman, Regina Belski, Barry O'Mahony & Warren Payne (2011) Literature review: Firefighter nutrition and hydration. Victorian Government Department of Sustainability and Environment, Melbourne, Australia.

## CONTRACT AND TECHNICAL REPORTS

Casey, Meghan, Rochelle Eime, Jack Harvey & Warren Payne (2011) Triple G: Girls Get Going YMCA Workbook.

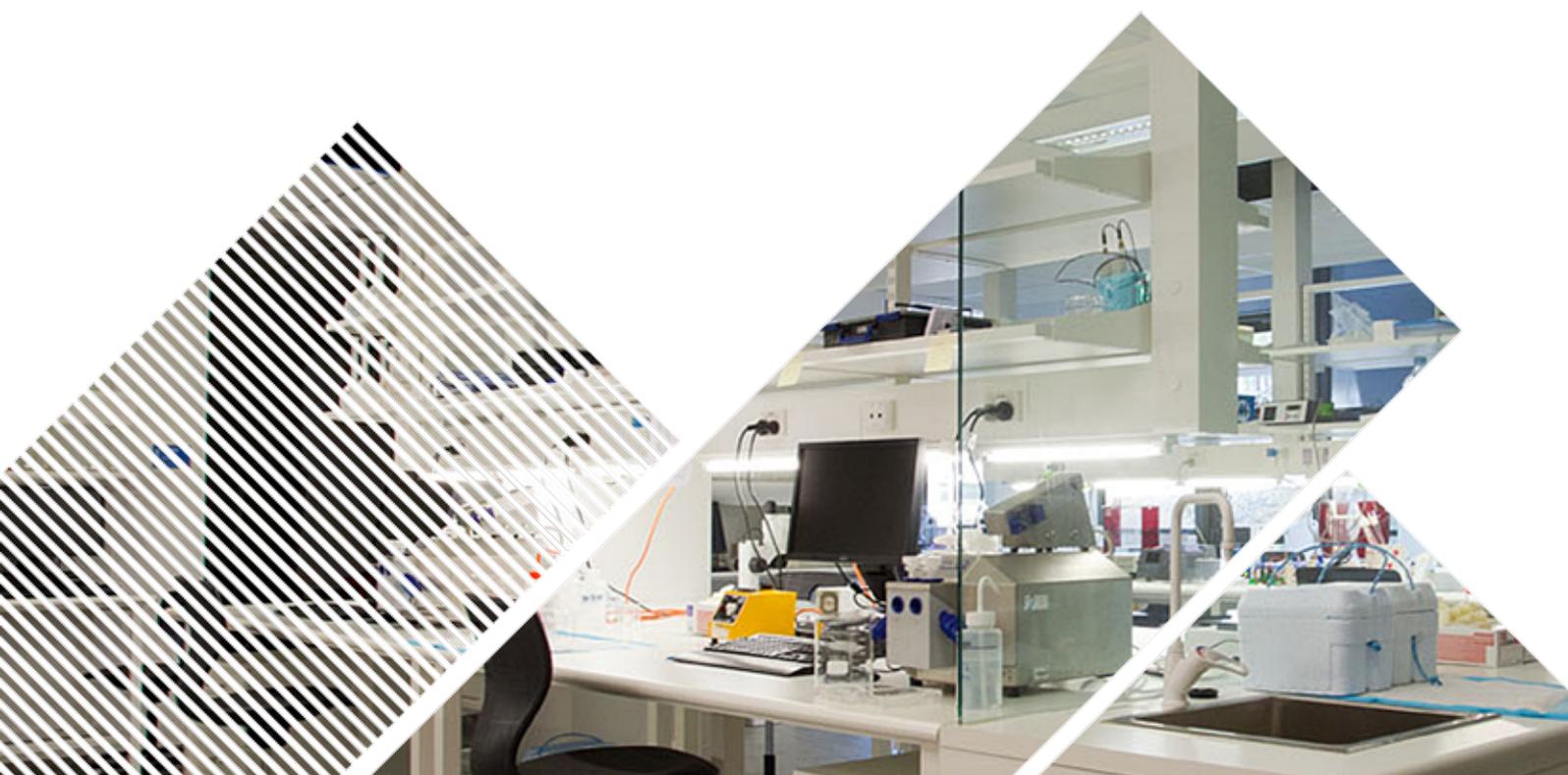
Eime, Rochelle, Meghan Casey, P. Joyce, Jack Harvey & Warren Payne (2011) Triple G: Girls Get Going Tennis Club Workbook.

Eime, Rochelle, Meghan Casey, Jack Harvey & Warren Payne (2011) Triple G: Girls Get Going Football Club Workbook.

Newland, Brianna (2011) Contract Report. ASC Workforce Development in Sport Literature Review.

Petersen, Aaron & Warren Payne (2011) Contract Report. Health and Wellbeing Project for Fire Lookout Observers: Review of Fitness Requirement.

Thompson, Helen, Rochelle Eime & J Corbett (2011) Australian Sports Commission Sport eLearning Report.



VISION

**TO BE A WORLD LEADING  
RESEARCH INSTITUTE IN SPORT,  
EXERCISE SCIENCE AND ACTIVE LIVING**

MISSION

**TO MAKE IMPORTANT  
CONTRIBUTIONS TO SOCIETY  
THROUGH INNOVATIVE RESEARCH  
IN SPORT, EXERCISE SCIENCE  
AND ACTIVE LIVING**



We partner and collaborate with locally and globally recognised organisations in our commitment to research and engagement in the areas of sport, exercise and active living.

Contact us for more information about the Institute of Sport, Exercise and Active Living

Visit  
[vu.edu.au/iseal](http://vu.edu.au/iseal)

Email  
[iseal@vu.edu.au](mailto:iseal@vu.edu.au)

or Call  
+61 3 9919 4793

[vu.edu.au](http://vu.edu.au)

CRICOS Provider No. 00124k

 **VICTORIA  
UNIVERSITY**  
MELBOURNE AUSTRALIA

**ISEAL**  
INSTITUTE OF SPORT,  
EXERCISE AND ACTIVE LIVING