



## Faculty of Pharmacy

The University of Sydney

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# Newsletter

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## RECORD PHARMACY INTAKE



*Photo: Some of the students of the new MPharm degree, with Dr Andrew McLachlan (far right) and Ms Sylvia Tropiano, Program Officer (front right), at the MPharm welcome function.*

The University of Sydney is playing a leading role in helping to alleviate the acute shortage of pharmacists in Australia.

This year, the Faculty of Pharmacy has attracted a record number of students.

The University of Sydney's Camperdown Campus has 187 students enrolled in the Bachelor of Pharmacy course and a further 38 students have enrolled in the BPharm (Rural) course at the University's campus at Orange.

It has also introduced a Masters program for pharmacy – a two-year fee-paying postgraduate degree leading to registration as a pharmacist. The course admits students of any discipline as long as they meet some course prerequisites. A total of 32 students have enrolled in this new program, part of a growing international trend for such postgraduate offerings.

Dean of the Faculty of Pharmacy, Professor Charlie Benrimoj, says the record student intake will be warmly welcomed by the profession. He said a report released last year showed there would be a shortage of around 3000 pharmacists in Australia by 2010.

"The move from a three-year to a four-year undergraduate Pharmacy degree resulted in a marked decline in graduate numbers five years ago and demand for pharmacists just continues to rise," Professor Benrimoj said.

He said the new Masters Program would help to put new pharmacists out into the community and into hospitals more quickly.

"We're also attracting more international students to Pharmacy and we're finding quite a number of them end up staying in Australia and all this helps boost our pharmacist numbers," Professor Benrimoj added.

Dr Kylie Williams is the co-ordinator of the new Masters Program and she is pleased that the course is proving attractive to students with a wide range of undergraduate degrees.

"It's a fast-track option with a strong, practical focus. Upon completion, students are able to take up prominent roles in all areas of pharmacy - in particular they're well prepared to offer new cognitive health services in community pharmacy."

It is believed the University's Bachelor degree at Orange - which began last year - holds special promise when it comes to staffing rural and remote pharmacies.

Dr Sue Taylor established the rural degree program and explained that one of its aims was to address the rural pharmacist shortage.

"There's some evidence to say that pharmacists from a rural background or those who choose to study on a rural campus are more likely to practise in rural areas."

She said rural pharmacy offered special challenges because pharmacies and hospitals were often long distances from townships.

"The pharmacist can't afford to specialise like they do in the city: he or she has to be able to perform a wide range of skills and services and be prepared to do more outreach work, not necessarily remaining in the pharmacy all the time."

For more information, contact:

Ms Annie Williams, Email : [annie@pharm.usyd.edu.au](mailto:annie@pharm.usyd.edu.au)

## NEW STAFF & STUDENTS

**Welcome to:**

- ◇ **Dr Lisa Cheong**, Academic (Research Only) in Pharmaceutics, working with Associate Professor Kim Chan.
- ◇ **Mr Herbert Chiou**, Academic (Research Only) in Pharmaceutics. Herbert is working with Associate Professor Kim Chan on an ARC funded project on nanoparticle production.
- ◇ **Dr Nerida Cole**, MPharm Lecturer in Pharmaceutics.

- ◇ **Dr Colm Crean**, postdoc working with Dr Jane Hanrahan and Dr Mary Collins. Colm is employed on a Pfizer grant.
- ◇ **Ms Wendy Davies**, Acting Faculty Manager. Wendy is on secondment from College of Health Sciences Personnel.
- ◇ **Ms Paige Davis**, Administrative Assistant for Pharmaceuticals, working under the supervision of Professor Michael Murray.
- ◇ **Ms Leonie Diment**, Technical Officer under the supervision of Ms Barbara Higgins. Leonie is located at Orange Campus.
- ◇ **Ms Peta Egan**, Program Officer for the postgraduate Clinical Pharmacy programs. Peta is located at St Vincent's Hospital.
- ◇ **Ms Eva Fiala-Beer**, Research Officer working under the supervision of Professor Michael Murray. Eva is located in the Medical Foundation Building.
- ◇ **Ms Barbara Higgins**, Technical and Resource Manager.
- ◇ **Ms Fatiah Issa**, Research Associate working 50% with Dr Mary Collins and 50% with Associate Professor Kim Chan. Fatiah is located in the Chemistry Building.
- ◇ **Dr Erin Jones**, part-time Associate Lecturer in Pharmacy Practice. Erin is a pharmacist from Indiana, USA, and is working with Dr Beata Bajorek on the new MPharm Program, developing the clinical residencies.
- ◇ **Ms Sharon Kitching**, Web Designer for the Faculty. Sharon has previously worked with IBM.
- ◇ **Ms Nicole Marden**, Research Assistant working under the supervision of Professor Michael Murray. Nicole is located in the Medical Foundation Building.
- ◇ **Ms Lynette McLeod**, Half-time Project Officer, working with Dr Sue Taylor at Orange Campus on an osteoporosis project.
- ◇ **Dr Sam Megalli**, Lecturer in Pharmacy Practice.
- ◇ **Mr Mohammed Abdul Mohi Iqbal**, PhD student under the supervision of Dr Andrew McLachlan. Iqbal was previously a GDPS student here, and is currently working on herb-drug interactions.
- ◇ **Ms Sam Navaratnarajah**, who is a visiting Pharmacy student from Bath University in the United Kingdom. Sam is working with Dr Andrew McLachlan.
- ◇ **Ms Martina Nicklas**, pharmacy graduate from Freiburg, Germany, working with Dr Michael Ivery for six months. Her research here will meet requirements for registration as a pharmacist in Germany.
- ◇ **Dr Gloria Quee**, Senior Research Officer working under the supervision of Professor Michael Murray. Gloria is located in the Medical Foundation Building.
- ◇ **Dr Grenville Rose**, Project Manager for the "Community pharmacist delivered therapeutics outcome monitoring service for hyperlipidaemia" project. Grenville is working with Dr Parisa Aslani.
- ◇ **Ms Rebecca Roubin**, Project Officer for Pharmaceutical Chemistry.
- ◇ **Dr Bandana Saini**, Lecturer in Pharmacy Practice for the Masters Program. Dr Saini previously studied in the Faculty as a postgraduate student, then worked as a research only staff member on her own research grant.

- ◇ **Ms Petra Seidel**, Visiting Researcher working with Dr Marg Hughes. Petra is a Pharmacy graduate from Freiberg, Germany, and is doing research here for six months, which will count towards her registration.
- ◇ **Mr Soheil Shafazand**, Graduate Diploma in Pharmaceutical Sciences student, under the supervision of Professor Carol Armour and Dr Sue Taylor.
- ◇ **Dr Lorraine Smith**, Research Officer in Pharmacy Practice. (See page 4.)
- ◇ **Ms Kathrin Staudenmayr**, pharmacy graduate from Freiburg, Germany, working with Dr Michael Ivery for six months. Her research here will meet requirements for registration as a pharmacist in Germany.
- ◇ **Ms Janette Thant**, Technical Assistant in Pharmaceutical Chemistry.
- ◇ **Ms Sylvia Tropiano**, Program Officer for the new Master of Pharmacy (pre-registration) degree. Sylvia has previously worked for the University in the Scholarships Office, The International Office and the Faculty of Nursing.
- ◇ **Dr Laleh Vahdat**, part-time Associate Lecturer in Pharmaceutical Chemistry.
- ◇ **Mr Joel Werner**, Research Officer with the S2/S3 project, working with Dr Kylie Williams.

<b>RESIGNATIONS/RETIREMENTS</b>
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**Farewell and good luck to:**

- ◇ **Ms Anita Anderson**, Faculty Manager. (See page 5 for more information.)
- ◇ **Ms Jennifer Anke**, an undergraduate Pharmacy student from Germany, who has returned home. (For a full story please see page 5).
- ◇ **Ms Anita Blake**, who has resigned from her position as Research Assistant with Dr Marg Hughes, to undertake a bachelor's degree in Veterinary Science.
- ◇ **Mr Peter Coxeter**, who has resigned from his position as Research Officer in the Herbal Medicines Research and Education Centre, to undertake a PhD degree at the School of Chinese Medicine, University of Western Sydney.
- ◇ **Dr Fu Dong**, previously a postgraduate student with Professor Basil Roufogalis. Fu Dong is now doing postdoctoral work at the Children's Cancer Institute Australia in Randwick.
- ◇ **Mrs Poonam Kamboj**, Associate Lecturer in Pharmaceutics, who has resigned to take up an Industry position.
- ◇ **Ms Melissa Loh**, Project Officer who was working on the Teaching Improvement Fund Grant for Clinical Practice.
- ◇ **Mr Adrian McInman**, who was working on a diabetes project with Associate Professor Ines Krass. Adrian is completing his training to become a fully registered psychologist. His training blocks are being held in Townsville, Jamaica, Ghana and Sydney.
- ◇ **Dr Ken Mewett**, who was working with Dr Mary Collins as an Academic (Research Only).
- ◇ **Ms Jonine Penrose-Wall**, who was the Project Coordinator for the Case/Conference/Care Plan Project, a Pharmacy Guild funded project.

- ◇ **Dr Celina Seeto**, who was recently awarded her PhD in Pharmacy Practice. Celina is now working with 3M Health Care as a regulatory affairs officer.

We wish you all the best for the future and thank you all for your contributions to the Faculty.

## CONGRATULATIONS

*To:*

- ◇ **Dr Alaina Ammit**, who was presented with an award of \$5,400 from the Australian Academy of Science to enable her to visit her collaborator in asthma research in New Jersey, USA.
- ◇ **Professor Charlie Benrimoj**. After having served three years as Vice President of the Pharmaceutical Society of Australia NSW, Charlie was elected President, at the April Council Meeting.
- ◇ **Ms Elaine Blair** and Dr Jerome Blair on the birth of their son, Lachlan Guangching.
- ◇ **Ms Elaine Blaire**, who was awarded the Outstanding Poster Presentation for Pharmaceutical Science at the Australasian Pharmaceutical Science Association (APSA) Conference in December for the paper "Population pharmacokinetics of raltitrexed in cancer patients." (See under Conference Proceedings.)
- ◇ **Dr Sheridan Henness**, on receiving the Australian Lung Foundation/Boehringer Ingelheim Chronic Obstructive Pulmonary Disease Research Fellowship.
- ◇ **Mr Jimmy Xuemin Jiang**, who has submitted his PhD thesis.
- ◇ **Ms Michelle Koo**, PhD student, on her marriage to Dr Ian Tang.
- ◇ **Ms Vicky Kritikos**, who has recently become accredited to conduct medication reviews in residential aged care facilities (RMMRs), in the domiciliary setting (HMRs) and for Department of Veterans Affairs clients living in the community.
- ◇ **Dr Andrew McLachlan**, winner of the full-time academic staff category in the Excellence in Teaching Awards. This was awarded during the Faculty of Pharmacy graduation ceremony on 26 March. (See article on page 4.)
- ◇ **Dr Sam Megalli**, Lecturer in Pharmacy Practice, on being awarded his PhD. Sam studied under the supervision of Professor Basil Roufogalis and the title of his thesis was: "Gynostemma pentaphyllum in hyperlipidemia and hyperglycemia." Sam will graduate at a future ceremony.
- ◇ **Ms Rebekah Moles**, on becoming a Fellow of the Society of Hospital Pharmacists of Australia.
- ◇ **Professor Michael Murray**, who has been appointed to the editorial board of Toxicology and Applied Pharmacology.
- ◇ **Ms Geraldine Peterson-Clark**, PhD student, on her marriage to Gavin Clark.
- ◇ **Dr Teresa Rede**, Research Assistant in Professor Basil Roufogalis' lab, on being awarded her PhD. Teresa studied under the supervision of Professor

David D F Ma in the Departments of Haematology at Royal North Shore Hospital and St Vincents Hospital. The title of her thesis was: "The synthesis of antisense-porphyrin ODN targeted to Bcl-2 and its biological activity in cancer cells".

- ◇ **Ms Alison Roberts**, on being re-elected as Treasurer of the Pharmaceutical Society of Australia NSW, in April.
- ◇ **Mr Henk Roubos**, winner of the casual staff category in the Excellence in Teaching Awards. This was awarded during the Faculty of Pharmacy graduation ceremony on 26 March. (See article on page 4.)
- ◇ **Dr Lorraine Smith**, who has been presented with a NSW Institute for Educational Research Award for outstanding educational research.

## NEWS ITEMS

### Pharmacy Graduations 2004



*Photo: From left: New PhD graduates, Dr Bandana Saini and Dr Celina Seeto.*

The Graduation Ceremonies for the Faculty of Pharmacy were held in the Great Hall on Friday 26 March 2004. Congratulations go to all new graduates: **Doctor of Philosophy**: Dr Jouyban Gharamaleki, Dr Effie Nurtjahja, Dr Gang (Grey) Peng, Dr Bandana Saini, Dr Celina Seeto, and Dr Joe Turner; **Master of Pharmaceutical Sciences**: Ravindra Behara, William Miao; **Master of Herbal Medicines**: Terence Chen, Nga Sze Chiu, Pauline Chiu, Guy Rui Jia Jian, Sze Man Joyce Lai, Victoria Ling, Kyna Yi Huei Liu, Wai Hung Sung, Ying Wang, and Rowenna Yung; **Master of Pharmacy (Clinical)**: Scott Elsegood, Deborah Hudson; **Graduate Diploma in Clinical Pharmacy**: Alicia Moon Kyung Ham, Janet Lynne, Lesley Rowe; **Graduate Diploma in Pharmaceutical Sciences**: Prasad Kota, Sadaf Mukhtar, Shabnam Valiya; **Graduate Certificate in Herbal Medicines**: Yi Sheng Chen, Erin Eun Young Jin; as well as the many students who received their **Bachelor of Pharmacy** degrees.

## **Faculty of Pharmacy Excellence in Teaching Awards 2003**

The inaugural Faculty of Pharmacy Excellence in Teaching Awards were presented during the Pharmacy graduation ceremony on 26 March. Dr Andrew McLachlan (Academic Staff, full-time) and Mr Henk Roubos (Teaching Support Staff, part-time) were the recipients of the awards for their teaching activities in 2003. These Awards recognise the contribution made by staff to teaching excellence and/or research-led teaching within the Faculty of Pharmacy. Any staff member who is judged to excel in any of the following areas: course planning and preparation; presentation of lectures, seminars, tutorials, fieldwork, etc; student assessment and course evaluation; high quality co-operative practices that assist student learning; and any other activities that support teaching and learning within the Faculty of Pharmacy, is eligible for the award. Nominations are based on evidence provided by students, peers and the nominee regarding undergraduate teaching or teaching-related activities in one or more units of study. Award recipients are presented with a monetary award to support their university-related activities, and are required to present an overview of their teaching-related activities at a subsequent Faculty seminar.

### **Gingerol Project**

Research in gingerols for the treatment of pain, through the newly-formed company ZingoTX has successfully achieved its first milestones. Additional funding of \$680,000 has been allocated by EquiTX for Milestone 2 phase activities. The gingerol team is Professor Basil Roufogalis, Dr Colin Duke and Dr Van Tran.

### **Extension of the Quality Care Pharmacy Support Centre**

Professor Charlie Benrimoj has recently negotiated an extension of the QCPSC (Quality Care Pharmacy Support Centre) contract for another two years with a budget of \$380,000 per annum. The QCPSC is a joint venture between the University of Sydney and the QCP (Quality Care Pharmacy) Division of the Pharmacy Guild of Australia. The centre is based here at the University and provides a focal point for the maintenance of QCP standards, particularly the standards relating to Pharmacy Medicines and Pharmacist Only Medicines. An important component of the Centre's activities is the management of a nationwide program of Standards Maintenance Assessment (SMA) visits using a pseudo-patient methodology. The Centre has conducted 1800 visits to date and plans to conduct an additional 4000 visits over the next 12 months. Ms Frances Wilson is the Director of the Centre and Ms Helen Mina is the Administrative Assistant.

## **New Associate Dean (Research)**

Professor Michael Murray has been appointed to the position of Associate Dean (Research) from 1 May. He is replacing Professor Carol Armour who has held this position for the past three years. The Faculty would like to take this opportunity to thank Professor Armour for her major contribution to the Faculty in this role. Her enthusiasm, creativity, research knowledge, warm personality and negotiating skills have meant that we are one of the most research productive faculties of the University. We would also thank Professor Murray for accepting the appointment and we look forward to his research leadership over the next few years.

## **Professor Jo-anne Brien's Recent Appointments**

Professor Jo-anne Brien has been appointed Chair of the Human Research Ethics Committee at St Vincent's Hospital. This committee is the research committee for St Vincent's and Mater Health.

Professor Brien is also the new Chair of the Research Committee (2004-2006) for the International Society of Oncology Pharmacy Practitioners (ISOPP). This appointment was made at the ISOPP IX meeting held in Turin in April 2004.

Professor Brien is a member of the Working Party for WORKCOVER NSW which is developing new guidelines for handling of hazardous and cytotoxic drugs by health care practitioners and consumers. This group will address occupational health and safety issues for handling cytotoxic, antiviral, immunosuppressant and monoclonal pharmaceutical products in public and private hospitals, clinics, community pharmacies and in patients' homes.

Professor Brien has been appointed the Vice Chair of the NSW State Branch for Society of Hospital Pharmacists of Australia.

She is also a member of the Steering Committee for the Trial of Electronic Prescribing and Decision Support at St Vincent's Hospital.

## **Dr Lorraine Smith Research Only Academic**

Dr Lorraine Smith joined the Faculty of Pharmacy in January this year. Lorraine is on secondment from the Faculty of Nursing, where she is a sesqui lecturer shared between Nursing and Pharmacy. As a member of the Faculty of Nursing, Lorraine has been involved in the teaching of the 1st year Pharmacy Practice course over the last three years. She has a PhD in motivation and stress. The pharmacy practice asthma team is thrilled to welcome Lorraine in her new full-time role as Research Only Academic working with Dr Sinthia Bosnic-Anticevich. She is working on a project entitled "Asthma self management in the community -

pharmacists facilitating empowerment of patient self-management practices through collaboration".

### **Farewell to Ms Anita Anderson**

Ms Anita Anderson, Faculty Manager, resigned from her position in May, after four years in the Faculty. Anita came to the Faculty after extensive high level administrative experience at the University of New South Wales and the University of Sydney's Cumberland Campus, especially in the area of student administration and admissions. She was pivotal in making sure that Pharmacy was able to make the administrative change from a Department to a Faculty. She worked tirelessly in all aspects and for long hours, to make sure everyone's needs were met. Apart from her extensive hours in the Faculty, Anita's recreational passions included opera and bridge. She has decided to retire after an eight week overseas holiday and hopes to work part time back in the university sector after her return from overseas. Anita has contributed tremendously to the Faculty and she will be missed by everyone. We all thank her for her efforts and assistance, and for her friendship.

### **Visiting students from the University of London**



Ms Charon Bhogal, Ms Seema Shah and Ms Neereesa Gopaul, 3rd year MPharm undergraduates from The School of Pharmacy University of London, have just completed three-month extramural placements in the Faculty. Neereesa has been working with Dr Allan Coombes and Ms Hsin-I Chang on controlled release of antibiotics from microporous polymer matrices while Seema and Charon have been carrying out research projects supervised by Dr Colin Duke and Dr Van Tran on investigations of plant natural products as sources of

medicines. The exchange reflects the strengthening of international collaborations involving the Faculty and major schools of pharmacy around the world.

## Farewell to Ms Jennifer Anke Visiting Student

Ms Jennifer Anke, an undergraduate Pharmacy student from the University of Munster, Germany, has returned home after spending the past six months in Associate Professor Iqbal Ramzan's laboratory working on Kava. She has been extremely successful, as evidenced by the publication of two review articles, one in *Planta Medica* and one in the *Journal of Ethnopharmacology* (in press). She has also submitted two other publications dealing with inhibition of alcohol dehydrogenase by kavalactones and the effect of kavalactones on viability of hepatic cells.

## TENDERS

Professor Charlie Benrimoj, Dean, and Ms Alison Roberts, PhD student, are principal investigators for a tender recently awarded by the Pharmacy Guild of Australia, entitled **Change Management and Community Pharmacy**. They are working as part of a consortium with chief investigator Distinguished Professor Dexter Dunphy and Professor Ian Palmer from the School of Management at the University of Technology Sydney, and a large research team. The tender is worth \$888,885 and aims to provide community pharmacists with practical change strategies to support their participation in the delivery of services agreed under the current and future Community Pharmacy Agreements. The research will involve international literature reviews, focus group discussions, interviews, a survey, and case studies to identify viable pharmacy business platforms for service delivery.

**The Pharmacy Diabetes Care Program (PDCP)** is more than half way through. This is a national tender with Associate Professor Ines Krass, Professor Carol Armour and Dr Sue Taylor from the University of Sydney, Dr Jeff Hughes from Western Australia, Dr Kay Stewart from Victoria and Professor Greg Peterson from Tasmania. The screening component of the study is now almost finished with a total of 1327 people screened across 4 states (NSW – 443; Victoria – 448; Tasmania – 177; WA – 259). The PDCP aims to establish a diabetes care program in community pharmacy with the goals of improving the health of people with diabetes and supporting the continuity of care for people with diabetes. The target number for the Diabetes Medication assistance service is 300 Intervention and 300 Control patients across the 4 states. The total funding for the project is \$603,282 with a separate project funded for the economic analysis.

## SOME NEW GRANTS

Ammit AJ. "Scientific visits to the US." *Australian Academy of Science*. 2004: \$5,400.

Ammit AJ, Armour CL, Hughes MJ, Borger P. "Does deregulated mRNA stability underlie airway inflammation in asthma?" *Asthma Foundation of NSW - Asthma Research Funding Program*. 2004: \$50,000.

Chen T, Gelgor L, Bajorek B, Brien J, Day R. "Medication management and education of osteoarthritis patients: evaluation of a role for community pharmacists." *Pharmacy Guild of Australia: Third Community Pharmacy Agreement Research and Development Grants Program*. 2003: \$165,000.

Collins M, Hanrahan J, Johnston GAR. "Constrained analogs of gabapentin and pregabalin." *Pfizer PIIP Scheme*. 2004: \$320,000.

Collins M, McLeod M. "Novel agents acting on neuronal nicotinic receptors." *Sesqui Near Miss Grant for NHMRC project grant application*. 2004: \$60,000.

Emerson L, Benrimoj SI, Krass I, Wicks K, Grant V. "A collaborative, inter-professional, evidence based approach to reducing coronary heart disease in rural areas." *Rural and Remote Infrastructure Grants Scheme: Rural and Remote Pharmacy Workforce Development Program*. 2004-2005: \$141,000.

Murray M. "Wallac Victor Multilable Reader." *Sesqui Research and Development Grant for Major Item of Equipment*. 2004: \$48,000.

Small D, Aguilar M-I, Collins (Chebib) M. "Acetylcholinesterase, nicotinic receptors and Alzheimer's disease." *NHMRC Project Grant*. 2004-2006: \$471,000.

## RECENT PUBLICATIONS

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Chaar B, Brien J, Krass I. (2003). Professional ethics in pharmacy. *Aust. J. Pharmacy*, 83, 856-59.

Chen T, Moles R, Bajorek B, Aslani P. (2003). Pharmacist Only and Pharmacy Medicines: A process guide for pharmacists. *Pharmaceutical Society of Australia*. (Book)

Chrubasik S, Roufogalis BD. (2003). Bioequivalence of herbal medicines. *New Zealand Pharmacy*, 53(6), 39-44.

Chrubasik S, Roufogalis BD. (2003). Echinacea for infectious conditions. *Pharmacy News*, April 3, 19c.

Chrubasik S, Roufogalis BD. (2003). Ginkgo extract for age-related macular degeneration. *Australian Journal of Pharmacy*, 84, 330.

Chrubasik S, Roufogalis BD. (2003). Hawthorn extract for heart complaints. *Australian Journal of Pharmacy*, 84, 825-826.

Chrubasik S, Roufogalis BD. (2003). Oral phytomedicines for the treatment of pain and inflammation. *Pharmacy News*, May 1, 14c-20c.

Chrubasik S, Roufogalis BD. (2003). Risk of adverse events during treatment with Kava extracts. *Australian Journal of Pharmacy*, 84, 597-598.

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Crittenden DL, Chebib M, Jordan MJT. (2004). Stabilization of zwitterions in solution:  $\gamma$ -aminobutyric acid (GABA). *J. Phys. Chem. A*, 108(1), 203-211.

Dai N-T, Williamson MR, Khammo N, Adams EF, Coombes AGA. (2004). Composite cell support membranes based on collagen and polycaprolactone for tissue engineering of skin. *Biomaterials*, 25(18), 4263-4271.

Fu D, Bebawy M, Kable EPW, Roufogalis BD. (2004). Dynamic and intracellular trafficking of P-glycoprotein-EGFP fusion protein: Implications in multidrug resistance in cancer. *Int. J. Cancer*, 109, 174-181.

Hall BJ, Chebib M, Hanrahan JR, Johnston GAR. (2004). Flumazenil-independent positive modulation of GABA action by 6-methylflavone at human recombinant  $\alpha 1\beta 2\gamma 2L$  and  $\alpha 1\beta 2$  GABAA receptors. *Eur. J. Pharmacol*, 491(1) 1-8.

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Krass I, Bajorek B. (2004). Heart disease: is the super pill really around the corner? *Retail Pharmacy*, March, 34-35.

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## CONFERENCE ABSTRACTS AND PRESENTATIONS

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Aslani P, Armour C, Brien J, Chen T, Loh M, Moles R, Sainsbury E, Whitehead P. (2003). Quality assurance in experiential learning. *University of Sydney, College of Health Sciences, EdHealth Conference*, Sydney, November.

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Benrimoj SI. (2004). Value for money an Australian case. *The Association of Finnish Pharmacists Symposium*, Finland, April.

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Bosnic-Anticevich, B Saini, I Krass, C Armour. (2004). Poster presentation by S Bosnic-Anticevich: The Pharmacy Asthma Action Plan Project - A community pharmacy based pilot aimed at optimising asthma management. *Thoracic Society of Australia and New Zealand Annual Scientific Conference*, Sydney, March.

Bower J, Welch SA, Slader CA. (2003). E-poster: Evidenced-based asthma management in the emergency department (ED). *Society of Hospital Pharmacists of Australia 26<sup>th</sup> Federal Conference*, Canberra, November. (*Respirology*, 2004; 9 [Supplement]: A37.)

Bower J, Welch SA, Slader CA. (2004). E-poster: Evidenced-based asthma management in the emergency department (ED). *Thoracic Society of Australia and New Zealand Annual Conference*, Sydney, March.

Brien JE, Taylor S, Gallego G. (2004). Poster presentation by JE Brien: Equity of access to oncology high cost drugs (HCDs): An Australian perspective. *International Society of Oncology Pharmacy Practitioners IX*, Turin, Italy, April.

Campbell EL, Johnston GAR, Chebib M. (2004). Poster presentation by EL Campbell: High dose benzodiazepines enhance GABA-C receptors. *24th Annual*

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Carland JE, Johnston GAR, Chebib M. (2003). Poster presentation JE Carland: Human GABA-C rho1 receptor M2 domain mutations alter picrotoxinin activity. *Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists, Annual Scientific Meeting, Sydney, November/ December. (Proc. Aust. Soc. Clin. Exp. Pharmacol. Toxicol, 2003, 10, 172.)*

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Chu CP, Small DK, Chebib M. (2003). Poster presentation CP Chu: The pharmacology of beta-amyloids at alpha 7 nicotinic acetylcholine receptors. *Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists, Annual Scientific Meeting, Sydney, November/December. (Proc. Aust. Soc. Clin. Exp. Pharmacol. Toxicol, 2003, 10, 175.)*

Duggin IG, Brymora A, Berven LA, Roufogalis BD, Robinson PJ. (2004). Poster presentation by IG Duggin: Characterising the specific interaction between the small GTPase RalA and the redox-sensitive ERp57." *Lorne Protein Conference, Lorne, Vic, February.*

GallegoG, Taylor S, Melocco T, Brien JE. (2003). Oral presentation by G Gallego: High cost medications and decision makers. What's going on in Australia? *Australasian Pharmaceutical Science Association Annual Conference, Sydney, December.*

Gallego G, Taylor S, Brien JE. (2004). Oral presentation by G Gallego: Decision-maker's perceptions of access to high cost drugs (HCDs) in public hospitals in Australia. *International Society for Pharmacoeconomics and Outcomes Research. Virginia, USA, May.*

Gallego G, Taylor S, Melocco T, Brien JE. (2003). Oral presentation by G Gallego: Clinical decisions, ethical challenges: The role of a High Cost Drug Subcommittee (HCD). *Society of Hospital Pharmacists of Australia, 26<sup>th</sup> Federal Conference, Canberra, November.*

Hall BJ, Chebib M, Hanrahan JR, Johnston GAR. (2004). Poster presentation BJ Hall: 6-Methylflavanone positively modulates diazepam-sensitive rho1I1307S/W328M GABA-C receptors. *24th Annual Meeting of the Australian Neuroscience Society, Melbourne, January. (Proc. Aust. Neurosci. Soc., 2004, 15, 140.)*

Hall BJ, Chebib M, Hanrahan JR, Johnston GAR. (2004). Poster presentation by BJ Hall: 6-Methylflavanone and 6-methylflavanone positively modulates

diazepam-sensitive rho111307S/W328M GABA-C receptors. *6th Biennial Meeting of the Asian-Pacific Society for Neurochemistry*, Hong Kong, February. (*J. Neurochem.*, 2004, 88(S1), 79.)

Hamama A, Ray J, Day R, Brien J. (2003). Poster presentation by A. Hamama. An innovative assay for simultaneous quantitation of rofecoxib and celecoxib in human plasma. *St Vincent's Hospital Campus Research Symposium*, Sydney, September.

Hamama AK, Ray JE, Liauw W, Day RO, Brien JE. (2003). Poster presentation by AK Hamama: A population pharmacokinetics study of celecoxib and rofecoxib: a preliminary data analysis. *Australasian Pharmaceutical Science Association Annual Conference*, Sydney, December.

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HennesS, van ThoorE, Ge Q, Armour CL, Hughes JM, AmmitAJ. (2004). Poster presentation by AJ Ammit: Control of mRNA stability as a potential strategy for inhibition of pro-inflammatory cytokines in asthma. In *Abstracts of the 2004 Hunter Cell Biology Meeting*, Hunter Valley, NSW, March.

HennesS, van ThoorE, Ge Q, Armour CL, Hughes JM, AmmitAJ. (2004). Oral presentation by S Hennes: TNF $\alpha$ -induced secretion of IL-8 from human airway smooth muscle cells is augmented by IL-17A. *The Thoracic Society of Australia and New Zealand*, Sydney, March. (*Respirology* 9, 045, A12).

Hinton T, Chebib M, Johnston GAR. (2004). Poster presentation T Hinton: GABA-A receptor subunit expression in human brain and evidence for changes in schizophrenia. *24th Annual Meeting of the Australian Neuroscience Society*, Melbourne, January. (*Proc. Aust. Neurosci. Soc.*, 2004, 15, 145.)

Huang SH, Duke RK, Chebib M, Johnston GAR, Sasaki K, Wada K. (2004). Poster presentation by SH Huang: The mechanisms and possible site of action of bilobalide from Ginkgo biloba at rho-1 receptors. *Biennial Meeting of the Asian-Pacific Society for Neurochemistry*, Hong Kong, February. (*J. Neurochem.*, 2004, 88(S1), 41.)

Huang THW, Peng G, Li Y, Li Q, Kota BP, Yamahara J, Roufogalis BD (2004). Oral presentation by THW Huang: Flowers of *Punica granatum* and its constituent gallic acid activate peroxisome proliferator-activated receptor-gamma. (P-177-53), *Proceedings of 2nd Pharmaceutical Sciences World Congress*, Kyoto, Japan, May/June.

Koo M, Krass I, Aslani P. (2003). Oral presentation by M Koo: The influence of patient characteristics on their evaluation of Consumer Medicine Information (CMI). *The Australasian Pharmaceutical Science Association Annual Conference*, Sydney, December.

Lee D, Armour C, Krass I. (2003). Oral presentation by D Lee: Patient perspectives of written medicines information (WMI) needs for type 2 diabetes. *Australasian Pharmaceutical Science Association Annual Conference*, Sydney, December.

Li YZ, Blake AE, Seman J, Ge O, Armour CL, Ammit AJ, Hughes JM. (2004). Oral presentation by JM Hughes: Differential modulation of human airway smooth muscle cell cytokine production by tryptase. *Thoracic Society of Australia and New Zealand Scientific Meeting*, Sydney, March. (*Respirology* 9: O44, A12).

Liao-Loon H, Travers PT, Bajorek B, Brien J. (2003). Poster presentation: A feasibility study for the extension of professional pharmacy services to the Emergency Department of Nepean Hospital, focussing on pharmacist obtained medication histories (PIE study). *Australasian Pharmaceutical Science Association Annual Conference*, Sydney, December.

Marden N, Murray M. (2003). Poster presentation by N Marden: Regulation of human cytochrome P450 2J2 by small Maf proteins and Nrf3. *Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists Meeting*, Sydney, November/December.

Maxwell DJ, Harkness J, Brien JE. (2003). E-poster by DJ Maxwell: Antibiotic policy – The path of least resistance. *Society of Hospital Pharmacists of Australia, 26<sup>th</sup> Federal Conference*, Canberra, November.

Moles R, Brien JE, Benrimoj SI. (2003). Oral presentation by R Moles: Medication education and medication review services to private hospital patients. *Society of Hospital Pharmacists of Australia, 26<sup>th</sup> Federal Conference*, Canberra, November.

Moles R, Brien JE, Benrimoj SI. (2003). Presentation by R Moles: M.E.S. – a new private hospital service. *Australasian Pharmaceutical Science Association Annual Conference*, Sydney, December.

Murray M, Anggono V, Su GM, Fiala-Ber E, Marden NY. (2003). Oral presentation by M Murray: The p38 MAP kinase/c-fos pathway modulates CYP2J2 down-regulation in HepG2 cells under conditions of nitrate stress. *Australasian Pharmaceutical Science Association Annual Conference*, Sydney, December.

Murray M, Fiala-Ber E, Weber J, Robertson GR, Farrell GC, Su GM. (2003). Oral presentation by M Murray: Activation of PPAR $\alpha$  is required for upregulation of CYP4A in hepatic steatosis induced by orotic acid. *Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists Meeting*, Sydney, November/December.

Murray M. (2003). Oral presentation: Pharmacogenomics and pharmacogenetics: New ideas and sciences in pharmacy teaching. (Education

Workshop Presentation.) *Australasian Pharmaceutical Sciences Association Annual Conference*, Sydney, December.

O'Brien RA, Ciccio M, Aslani P, Brien JE. (2003). E-poster by JE Brien: Medication adherence in heart lung transplant recipients. *Society of Hospital Pharmacists of Australia, 26<sup>th</sup> Federal Conference*, Canberra, November.

Obligacion R, Murray M, Ramzan I. (2003). Poster presentation by R Obligacion: Metabolism of xenobiotics by the prostate gland. *Australasian Pharmaceutical Sciences Association Annual Conference*, Sydney, December.

Page S, Hughes JM, Blake AE, Black JL, Ammit AJ, Armour CL. (2004). Poster presentation by S Page: Human mast cell adhesion to asthmatic and non-asthmatic airway smooth muscle. *The Thoracic Society of Australia and New Zealand, Sydney, March. (Respirology 9, P34, A26)*.

Peterson G, Aslani P, Williams KA. (2003). Oral presentation by G Peterson: Why do consumers use the internet for medicines information? *Australasian Pharmaceutical Science Association Annual Conference*, Sydney, December.

Razmovski V, Huang THW, Tran VT, Roufogalis BD, Duke CC. (2004). Oral presentation by V Razmovski: The mode of action of saponins from *Gynostemma pentaphyllum* on cholesterol homeostasis. (P-1088-521), *Proceedings of 2<sup>nd</sup> Pharmaceutical Sciences World Congress*, Kyoto, Japan, May/June.

Roufogalis B. (2004). Interview on the report of the Expert Committee into the Complementary Medicines Industry, Issue 37, *Forbes Current Affairs*.

Sabet P, Maxwell D, Brien JE. (2003). E-poster by JE Brien: A DUE of 'off-label' mycophenolate use at St. Vincent's Hospital. *Society of Hospital Pharmacists of Australia, 26<sup>th</sup> Federal Conference*, Canberra, November.

Saini B, Bosnic-Anticevich SZ, Kritikos V, Shah S, Krass I, Dalton A, Hulme F, Armour C. (2004). Poster presentation by S Bosnic-Anticevich: Role of community pharmacists in raising asthma awareness in rural Australia. *Thoracic Society of Australia and New Zealand Annual Scientific Conference*, Sydney, March.

Scouller K, Bonanno H, Ryan L, Krass I, Smith L. (2003). Oral presentation by K Scouller: Absence of intent: First year pharmacy writers in transition. *Educational Integrity: Plagiarism and Other Perplexities*. Adelaide, November.

Seeto C, Roth M, Seale JP, Armour CL. (2004). Poster presentation by C Seeto: Budesonide and formoterol activate the expression of GR and C/EBP $\alpha$  in T lymphocytes. *Thoracic Society of Australia and New Zealand Scientific Meeting*, Sydney, March. (*Respirology* 9: P31, A25).

Seman J, Blake AE, Zhen, Li Y, Ge O, Armour CL, Hughes JM. (2004). Poster presentation by J Seman: Histamine modulates the effects of TNF- $\alpha$  and IL-1 $\beta$  on human airway smooth muscle cell function. *Thoracic Society of Australia and New Zealand Scientific Meeting*, Sydney, March. (*Respirology* 9: P66, A34).

Slader CA, Bennett AA. (2003). E-poster: Retooling hospital pharmacists for medication review in the Australian setting. *Society of Hospital Pharmacists of Australia 26<sup>th</sup> Federal Conference*, Canberra, November.

Slader CA, Hotong L, Bui V. Presented by CA Slader: (2003). E-poster: Taking the angst out of clinical trial management using Microsoft Access. *Society of Hospital Pharmacists of Australia 26<sup>th</sup> Federal Conference*, Canberra, November.

Slader CA. (2003). E-poster: Outpatients' satisfaction survey. *Society of Hospital Pharmacists of Australia 26<sup>th</sup> Federal Conference*, Canberra, November.

Tan EL, Day RO, Brien JE. (2003). Oral presentation by EL Tan: From policy to practice: improving the effectiveness of Drug and Therapeutics Committee (DTC) decision implementation. *Society of Hospital Pharmacists of Australia, 26<sup>th</sup> Federal Conference*, Canberra, November.

Travers PT, Liao-Loon H, Brien J, Bajorek B. (2003). Professional pharmacy services to a hospital Emergency Department. *Australasian Pharmaceutical Science Association Annual Conference*, Sydney, December.

Valiya SN, Bajorek BV. (2003). Cost effectiveness of ximelagatran for stroke prevention in atrial fibrillation patients. *Australasian Pharmaceutical Science Association Annual Conference*, Sydney, December.

Walters K, Bajorek B. (2003). The impact of warfarin knowledge on quality of life. *Australasian Pharmaceutical Science Association Annual Conference*, Sydney, December.

Yamahara J, Li Y, Huang THW, Wen S, Li Q, Peng G, Aktan F, Roufogalis BD. (2004). Poster presentation by J Yamahara: Salacia oblonga controls postprandial hypertriglyceridemia in type 2 diabetic animal model: the mechanisms on peroxisome proliferators-activated receptors and lipoprotein lipase. (I-327), *Proceedings of 124<sup>th</sup> Annual Meeting of the Pharmaceutical Society of Japan*, Osaka, Japan, May/June.

Yeo T, Balcar VJ, Chebib M, Johnston GAR. (2004). Poster presentation by T Yeo: Structure-activity relationship studies of GABA analogues on neuronal GABA transporters expressed in *Xenopus* oocytes and HEK cells. *6<sup>th</sup> Biennial Meeting of the Asian-Pacific Society for Neurochemistry*, Hong Kong, February. (*J. Neurochem.*, 2004, 88(S1), 89.)



## **OTHER ORAL PRESENTATIONS**

Benrimoj SI. (2004). "Integrating health policy and research." *University of Helsinki, Helsinki, Finland, April.*

Benrimoj SI. (2004). "Community pharmacy practice – a patient focussed approach with business implications." *Apoteket, Stockholm, Sweden, April.*

Coombes A. (2004). "Composite cell support membranes based on collagen and polycaprolactone for tissue engineering of skin." *Centre for Advanced Materials Technology, University of Sydney, Sydney, February.*

Coombes A. (2004). "Polymeric matrices for guiding cell growth and organisation in soft tissue engineering." *Department of Anatomy, Faculty of Medicine, University of New South Wales, March.*

Hamama A, Day R, Brien J. (2003). Oral presentation by A Hamama. "A population pharmacokinetic study of celecoxib and rofecoxib." *St Vincent's Hospital Clinical Pharmacology Research Seminar Program, University of Sydney, Sydney, July.*

Hamama A, Day R, Brien J. (2003). Oral presentation by A Hamama. "A population pharmacokinetics study of celecoxib and rofecoxib." *Faculty of Pharmacy Postgraduate Conference, University of Sydney, Sydney, July.*

Jiang J. (2004). "Effect of herbal medicines on the pharmacokinetics and pharmacodynamics of warfarin in healthy subjects." *Faculty of Pharmacy Seminar, University of Sydney, Sydney, May.*

Krass I. (2004). Invited presentation: "QUM in diabetes: a pharmacy perspective." *QUM in Diabetes Workshop, Sydney, March.*

Marks D. (2004). "Flavonoids as modulators of multidrug resistance in cancer." *Faculty of Pharmacy Seminar, University of Sydney, Sydney, May.*

Murray M. (2003). "Role of activator protein-1 in the down regulation of the human CYP2J2 gene in hypoxia." *Department of Molecular and Clinical Genetics, University of Sydney, Sydney, October.*

Murray M. (2003). "Pharmacogenetics and Adverse Drug Reactions." *Therapeutics Centre, St Vincent's Hospital, Darlinghurst, NSW, October.*

Murray M. (2004). "Activator protein-1 and the down-regulation of CYP2J2 in cellular stress." *Department of Pharmacology, University of Sydney, Sydney, March.*

Murray M. (2004). "Pharmacogenomics in clinical practice: what's all the fuss." *Society of Hospital Pharmacists of Australia; NSW Branch*, Sydney, March.

Murray M. (2004). "Activator protein-1 and CYP2J2 down regulation in hypoxia." *Faculty of Pharmacy Seminar, University of Sydney*, Sydney, March.

Roufogalis B. (2004). Invited appearance: Discussion on complementary medicines. *Professional Panel of the Insight program on SBS TV*,. Sydney, March.

Smith L. (2004). "Psychology, education and health: taking an interdisciplinary approach to active asthma self-management." *Faculty of Pharmacy Seminar, University of Sydney*, Sydney, April.