



POST-GRADUATE CAREER DEVELOPMENT, EDUCATION AND TRAINING

The David Craig Lecture Series

The Craig Lecture was entitled *Photosystem II structure-function: the EPR years*. Other lectures in the series were: *Photosystem II reaction centre photochemistry: an evolutionary view*; *The oxygen evolving enzyme*; and *Photosystem II: regulation of electron transfer*. The series was delivered by Professor Bill Rutherford, Research Director CNRS and Head of Section, Bioenergetics CEA, France.

Graduate Program in Chemistry – Lectures

Professor M G Banwell presented an Honours course of eight lectures: *Methods for the formation of small and medium ring carbocycles*

Dr M L Coote presented an Honours course of eight lectures: *Free-radical polymerisation kinetics and mechanism*

Professor R L Withers presented a lecture in the Series on *Advanced TEM* organised by the ANU Electron Microscope Unit. He also presented a lecture on *Imaging* as part of the Dean of Science's Advanced Studies Course for PhD scholars

Degrees Awarded and Present Employment of Graduates

For the Degree of Doctor of Philosophy

Dr Brendon Jeffrey William Barratt BSc Deakin

The Development of PAM Enzyme Inhibitors and Cleavable Amino Acids for the Control of Peptide Hormone Levels

Supervisor: Professor C J Easton

Currently: Postdoctoral Fellow, School of Medicine, University of New South Wales

Dr Elizabeth Sarah Barrett BSc Sydney

The Synthesis of Functionalised Cavitands and their Applications in Host-guest Chemistry

Supervisor: Associate Professor M S Sherburn

Currently: Scripps Research Institute, California

Dr Franciscus Joseph Brink BAppSc SAust MAppSc LaTrobe

Oxygen/Fluorine Ordering, Modulated Structures and Solid Solutions in Metal Oxyfluorides

Supervisor: Professor R L Withers

Currently: Senior Technical Officer, RSBS, ANU

Dr Satish Chand BSc USP MSc Macquarie

Synthesis of Phenolic Natural Products of Biological Interest

Supervisor: Professor M G Banwell

Currently: Research Officer, Institute of Molecular Bioscience, University of Queensland

Dr Alexander Hamish Duncan BSc Macquarie

Scalable Iterative Potential Energy Surface Construction using Constraints

Supervisor: Professor M A Collins

Currently: Senior Software Engineer, ADI Limited

Dr Gwion James Harfoot BSc MSc Waikato NZ

Chemoenzymatic Studies in Sesquiterpene Synthesis

Supervisor: Professor M G Banwell

Currently: Alexander von Humboldt Research Fellow, Institut für Organische Chemie der RWTH, Aachen, Germany



Dr Oliver Earl Hutt BSc Otago NZ Hons ANU

Studies Directed Toward the Total Synthesis of the Diterpene Alkaloids

Supervisor: Professor L N Mander

Currently: Postdoctoral Fellow, Kansas University

Dr Elizabeth Helene Krenske BSc Queensland

Phosphine-stabilised Arsenium Salts: Applications to the Asymmetric Synthesis of Tertiary Arsines

Supervisor: Professor S B Wild

Currently: Postdoctoral Fellow, RSC

Dr David William Lupton BSc Adelaide

Studies Directed Towards the Assembly of the Binary Vinca Alkaloids: A Total Synthesis of (±)-Aspidospermidine

Supervisor: Professor M G Banwell

Currently: Postdoctoral Fellow, Stanford University

Dr Samuel Alexander Margerison BSc Canterbury NZ

Applications of Laser, Optical and Paramagnetic Spectroscopy

Supervisor: Professor E R Krausz

Currently: National Registration Authority for Agricultural and Veterinary Chemicals, ACT

Dr Darragh Paul O'Neill BA Mod Comp Chem Trinity College, Dublin

Electron Correlation by Wigner Intracules

Supervisor: Professor P M Gill

Currently: Postdoctoral Fellow, University of Mainz, Germany

Dr Lisa Ann Sharp BSc Sydney

The Intramolecular Carboxylation Reaction: Scope and Applications to Natural Product Synthesis

Supervisor: Associate Professor M S Sherburn

Currently: Postdoctoral Fellow, DCSO, École Polytechnique, Cedex, France

Dr Rebecca Marie Taylor BSc MSc Waikato NZ

Exploiting Ring-fused gem-Dibromocyclopropanes in Novel C-C Bond Forming Reactions: Applications to the Synthesis of Natural Product Frameworks

Supervisor: Professor M G Banwell

Currently: Canberra

For the Degree of Master of Philosophy

Mr Bogdan Victor Bancia Dipl Cuza Iasi, Romania

Analysis of Selectively ¹⁵N Labelled PpiB, Proinsulin Connecting Peptide and DnaG-C by NMR

Supervisor: Professor G Otting

Currently: Secondary school teacher, Romania

Postdoctoral Fellows, Research Fellows and Fellows – Completions and Destinations

The School provides one of the very best environments for the education and research training of graduate students and postdoctoral fellows. Our interest in their welfare extends well beyond the time spent at the RSC, in part through a comprehensive alumni program. Although the School was founded only thirty-three years ago, many of our alumni now occupy senior positions in academia, government and industry, both in Australia and overseas.

Dr Elizabeth Barrett accepted a Postdoctoral Fellowship at the Scripps Research Institute, California, USA

Dr Simon Bennett accepted a position with the Office of Chemical Safety, Therapeutic Goods Administration, Canberra

Dr Helen Berney returned to Ireland

Dr Muriel Bonnet accepted a position at the Institute of Chemical and Engineering Sciences, Singapore

Dr German Cavigliasso accepted a position at the University College, London UK

Dr Giuseppe Del Signore accepted a Postdoctoral Fellowship at La Sapienza University, Rome

Dr Andrew T B Gilbert took up an appointment as Technical Officer in the Research School of Chemistry, ANU

Dr Steffen Gross took up an appointment as Head of Laboratory at BASF in Ludwigshafen, Germany

Dr Gwion Harfoot accepted an Alexander von Humboldt Research Fellowship in Bonn (Bad Godesberg)/Aachen, Germany

Dr Andreas Kreipl accepted a position as Head of Laboratory, Dottikon Exclusive Synthesis AG, Switzerland

Dr Matthew McDonough accepted a postdoctoral fellowship at the University of Sydney

Dr Gloria Moyano is a tutor and researcher at Massey University, New Zealand

Dr Pavel Prosselkov accepted a technical appointment with the Max-Planck-Institut in Germany

Dr Jens Renner accepted a position with BASF in Germany

Dr Matthew Smith accepted a position as Research Chemist, Alcan Engineering, Queensland Research and Development Centre, Brisbane

Dr Regis Tripoli accepted a postdoctoral fellowship at the University of Strathclyde, Glasgow UK

Dr Craig Turner accepted a postdoctoral fellowship at the Scripps Research Institute, California, USA

Dr Neal K Williams accepted a research fellowship at Monash University

Dr Adam Wright accepted a postdoctoral fellowship at the University of Manchester, UK

Dr Xiang Ting Zhou accepted a postdoctoral fellowship at the University of Sydney

PhD Scholars

Australian Postgraduate Award = APA

Australian Postgraduate Award (Industry) = APA(I)

ANU Graduate School Scholarship = GSS

Co-funded ANU Graduate School/RSC = GSS/RSC

ANU PhD Stipend Scholarship = ANU PhD

Endeavour International Postgraduate Research Scholarship = EIPRS

University-Industry Linkages in Chemistry = UniChe

Deutscher Akademischer Austausch Dienst e.V. = DAAD

RSC Tuition Fee Scholarship = RSCT

CSIRO Postgraduate Studentship = CSIRO

CSIRO Tuition Fee Scholarship = CSIRO T

Abernethy, Robyn BSc *Massey NZ* BSc Hons *ANU* – ANU PhD

Austin, Kerrie A J BSc *Auckland NZ* – APA

Baranyai, Krisztian J BSc MSc *Monash* – ANU PhD

Beasley, Andrew G BSc Dip Ed BSciTech *WA* – APA

Beck, Daniel BSc *RMIT*

Bilski, Tomasz BSc Chem *Curtin UT* – APA(I)

Bojase-Moleta, Gomotsang BSc MSc *Botswana* – U Botswana

Bowen, Saara K BSc *New England* – ANU PhD

Brittain, David R B BSc *Adelaide* – APA

Buchan, Alexander MChem *Aberdeen* – ANU PhD/CSIRO

Caldwell, Lorraine M BSc *UQ* – GSS/RSC

Carberry, David M BSc BEng Hons *ANU* – ANU PhD

Carpinelli, Lucinda L BSc *Melbourne* – ANU PhD

Chien, Siu-Hung BSc *USciTech Hong Kong* MPhil *Chinese U Hong Kong* – ANU PhD/RSCT

Chow, Leonie BSc *Melbourne*

Cieslinski, Marta M BSc *Adelaide* – GSS/RSC

Dawson, Ryan E BSc *Adelaide* – ANU PhD

Debono, Lesley BSc *New South Wales* – ANU PhD



- Deev, Vitali BSc *Canterbury* NZ – GSS/RSC
Dewhurst, Rian D BSc *Canterbury* NZ – ANU PhD
Dietinger, Christine MSc *Helsinki* – ANU PhD
Evenhuis, Christian R BSc *Tasmania* – APA
Fairweather, Kelly A BSc *Auckland* NZ Hons *ANU* – APA
Fearnside, Luisa BSc *Melbourne* BSc Hons *UQ* – APA(I)
Foo, Jee L BSc *Nat U Singapore* – ANU PhD/*Orica/UnlChe*
Friend, Martin P BSc *Murdoch* – APA(I)
Goodwin, Shelley K BSc *Griffith* – ANU PhD
Harvey, Michael J MSc *Waikato* NZ – ANU PhD
Hawley, Adrian M BSc *Melbourne* Hons *ANU* – APA
Hughes, Joseph L BSc *ANU* – GSS/RSC
Hutt, Oliver E BSc *Otago* NZ Hons *ANU*
Jackson, Colin J BSc *Otago* NZ – GSS/RSC
Jergic, Slobodan AssocSc *La Guardia Coll NY* BSc *Belgrade* – ANU PhD/*EIPRS*
Jones, Matthew T BSc *La Trobe* – APA
Jury, Jasmine C BSc *Massey* – ANU PhD
Kanizaj, Nicholas BSc PGDip *UQ* – ANU PhD
Khurana, Jeevan L BScAgr *Sydney* – CSIRO
Kilah, Nathan L BSc *UQ* – APA
Kitching, Jacki A BMedChem *Wollongong* – GSS
Kitto, Heather J BSc *Canterbury* NZ – GSS/RSC
Kokas, Okanya J BBiotech *UQ* – ANU PhD
Krenske, Elizabeth H BSc *UQ* – APA/VC
Kubik, Maria E BA *UQ* BAppSc *Canberra* – GSS
Kwan, Ching H L BSc/BCA *Victoria U Wellington* NZ MSc *LSE UK* – GSS
Li, Iris H W BSc *Auckland* NZ – ANU PhD
Lin, Ching-Yeh BS App Chem *National Chiao Tung* Taiwan – ANU PhD/*RSCT*
Lloyd, Paul BMedSc *ANU* – ANU PhD
Lording, William J BAppSc *RMIT* – ANU PhD
Loscha, Karin V BSc Dipl *Göttingen* – ANU PhD/*DAAD*
Lupton, David W BSc *Adelaide* – GSS/VC
Maniam, Subashani BSc *Kebangsaan* Malaysia – ANU PhD
Matveenko, Maria BSc *Victoria U Wellington* NZ – APA
Miller, Natalie A BSc *Sydney* – ANU PhD
Mortimer, Adam J BSc *Wollongong*
Mulcair, Mark D BSc *Monash* – ANU PhD
O'Neill, Darragh BA Mod Comp Chem *Trinity College* Dublin – ANU PhD/*RSCT*
Padmakshan, Dharshana BSc MSc BEd *Kannur* – ANU PhD/*RSCT*
Park, Ah-Young BSc *Victoria U Wellington* NZ Hons *ANU* – ANU PhD
Pearson, Emma L BSc *WA* – ANU PhD
Perriman, Adam W BSc *James Cook* – ANU PhD
Philbrook, Amy A BSc *Maine* – UnlChe
Phillis, Andrew T BSc MSc *Waikato* NZ – ANU PhD
Reid, James C BSc LLB *Victoria U Wellington* NZ – GSS
Sandala, Gregory M BSc *Windsor* – ANU PhD/*EIPRS*
Smith, Michael H BSc *Melbourne* Hons *Sydney*
Stanislawski, Pauline C BSc *Monash* – ANU PhD
Stevenson, Bradley J BSc *Lincoln* NZ – GSS/VC
Taylor, Rebecca M BSc MSc *Waikato* NZ
Teese, Mark G BBiotech *UQ* – CSIRO
Ting, Valeska P BSciTech *Victoria U Wellington* NZ – ANU PhD
Tsai, Yi-Chin C BSc *Canterbury* NZ – ANU PhD
Tshabang, Never BSc *Botswana* MSc *Sussex* – U Botswana
Warr, Rebecca J BSc *Canterbury* NZ – GSS
Watson, Morgan A BSc Biochem *Canterbury* NZ – GSS/RSC
Watts, Zachary I BAppSc *RMIT* – ANU PhD
Wells, Kerrina BSc *ANU* – ANU PhD
Wu, Peter S BAppSc *QUT* BSc Hons *ANU* – APA/VC

Visiting Scholars

As part of the recruitment program the School hosts international and Australian scholars for visits of two to six months to undertake research projects with individual staff members. In most instances the projects formed part of course requirements, and the scholars were financially supported by their home institution:

Ackermann, Thibaut MChem <i>ENS de Lyon</i>	C J Easton
Addicoat, Magdalene PhD <i>Adelaide</i>	P M W Gill
Clapet, Laurent DiplomEng <i>ENSICAEN</i>	M S Sherburn
Cross, Hannah PhD <i>Southampton</i>	N E Dixon
Hennessy, James MChem <i>Aberdeen</i>	C J Easton
Locke, Jennifer BSc <i>British Columbia</i>	L N Mander
Thomas, Lynne PhD <i>Cambridge</i>	T R Welberry
Vogt, Florian Masters <i>Tech U Munich</i>	M G Banwell
Wouterse, Alan PhD <i>Utrecht</i>	S R Williams

Honours Scholars

The following scholars undertook Honours projects within the School:

Bissember, Alexander <i>ANU</i>	M G Banwell
Bradford, Tanya <i>UQ</i>	M S Sherburn
Coulston, Roger <i>ANU</i>	C J Easton
Hodgson, Jennifer <i>ANU</i>	M L Coote
Pinkerton, David <i>ANU</i>	M G Banwell
Statham, Georgina <i>ANU</i>	C J Easton
Weir, Michelle <i>ANU</i>	S B Wild

Summer Scholar Program

Summer Research Scholarships, of eight to ten weeks duration, were awarded to twenty-six undergraduate students from Australia and New Zealand from November

2005 to February 2006. All were involved in research projects with individual staff members:

Anastasas, Mark <i>WA</i>	G Otting
Bradford, Tanya <i>ANU</i>	M S Sherburn
Burns, Nicolas <i>Otago NZ</i>	M Keniry
Cain, Nicole <i>Flinders</i>	A F Hill
Dao, Chau <i>UQ</i>	G Otting
Fallon, Thomas <i>Flinders</i>	M S Sherburn
Gan, Hui Peng (Pamela) <i>Monash</i>	N E Dixon
Hallam, Donna <i>LaTrobe</i>	A J Oakley
Holden, Kate <i>ANU</i>	M G Banwell
Lee, Yeng Ying <i>Deakin</i>	A F Hill
Ley, Dianna <i>ANU</i>	M Keniry
Luo, Qiong <i>ANU</i>	C J Easton
Mak, Tim <i>Monash</i>	A J Oakley
McConnell, Anna <i>Canterbury NZ</i>	S B Wild
Nielsen, Kresten <i>UQ</i>	E M Sevick
Oh, Ding (Thomas) <i>Monash</i>	N E Dixon
Reekie, Tristan <i>ANU</i>	M G Banwell
Rowley, Jessica <i>UQ</i>	M S Sherburn
Schneider, Caspar <i>Monash</i>	C J Easton
Scott, Daniel <i>Sydney</i>	N E Dixon
Sedgwick, Kathryn <i>Deakin</i>	E R Krausz
Sharp Phillip (Pat) <i>ANU</i>	M G Banwell
Sheridan, Morgan <i>ANU</i>	D L Ollis
Spindler, Xanthe <i>Newcastle</i>	M L Coote
Wanty, Christopher <i>Canterbury NZ</i>	D L Ollis
Wilson, Gregory <i>UQ</i>	R D Webster