



Australian Synchrotron

**The National Science Case for  
the Initial Suite of Beamlines**

**Volume 2**

Potential Beamline Users of the Australian Synchrotron

Prepared by  
the Australian Synchrotron National Scientific Advisory Committee  
on behalf of the Australian Science Community

2004

This document has been prepared to supplement information provided in *The National Science Case for the Initial Suite of Beamlines*, which was submitted to the Australian Government in January 2004.

It was developed in consultation with Australian and New Zealand synchrotron users, potential users and supporters.

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All individuals named in this document have provided the information about themselves, their beamlines of interest and size of their research team. They have provided express permission for their details to be published in this document, and in updated versions ([www.synchrotron.vic.gov.au](http://www.synchrotron.vic.gov.au)). Use of included information in any form must comply with the Federal Privacy Act 1988 (Cth) and the Privacy Amendment (Private Sector) Act 2000.

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A copy of *Australian Synchrotron: The National Science Case for the Initial Suite of Beamlines* can be found at [www.synchrotron.vic.gov.au](http://www.synchrotron.vic.gov.au)

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Cover: Detail of a synchrotron-generated x-ray diffraction pattern.

X-ray diffraction is the most widely used technique for 'imaging' molecules at atomic resolution and elucidating molecular structures ranging from several atoms to macromolecular assemblies. Particularly when illuminated by synchrotron light, x-ray diffraction is the method of choice for determining the three-dimensional crystal structure of metals and alloys, chemical compounds, minerals and complex molecules such as protein complexes, nucleic acids and viruses, essential for a wide range of applications in medical and other biological sciences.

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## Abbreviations and acronyms

<b>ADFA</b>	Australian Defence Force Academy
<b>AMIRA</b>	Australian Minerals Industry Research Association Ltd
<b>ANSTO</b>	Australian Nuclear Science and Technology Organisation
<b>BSAF</b>	Brisbane Surface Analysis Facility, The University of Queensland
<b>CSIRO</b>	Commonwealth Scientific and Industrial Research Organisation
<b>Pty Ltd</b>	Proprietary Limited
<b>RMIT</b>	RMIT University
<b>UNSW</b>	The University of New South Wales
<b>ACT</b>	Australian Capital Territory
<b>NSW</b>	New South Wales
<b>NZ</b>	New Zealand
<b>QLD</b>	Queensland
<b>SA</b>	South Australia
<b>TAS</b>	Tasmania
<b>VIC</b>	Victoria
<b>WA</b>	Western Australia

# Preface

## Introduction

The following are tables of researchers at Principal Investigator level who have self affirmed as potential users of the Australian Synchrotron. The tables include the beamlines that the investigators consider apply to their work and the number of researchers on their team. Beamlines are identified by number, consistent with details supplied in Volume 1 and listed in Table 1.

## Data collection

In the period November 2003 – May 2004 individuals and beamline proponents were asked to advise names of Principal Investigators to add to a list of potential users of the Australian Synchrotron.

Those identified were contacted and asked for permission to publish their name in this document and to confirm their anticipated beamline usage. This volume is the result of that survey. It is intended for use by governments and other funding bodies to assist them in assessing interest in synchrotron science in their area. The details provided may not be used for any other purpose without the permission of the individuals listed.

This list of researchers provides a snapshot of intended activity, valid at May 2004. The number of potential beamline users is expected to increase as more researchers become familiar with synchrotron techniques (volume 1, p.7 and ch.5). From time to time, updates to this list will be posted on the Australian Synchrotron website ([www.synchrotron.vic.gov.au](http://www.synchrotron.vic.gov.au)). The website includes an online form for those wishing to add their name as a potential user or supporter.

Those who have an interest in the facility but are unable to identify as a potential user at this stage are marked by asterisk (\*) as a supporter.

**Table 1. Recommended initial suite of beamlines for the Australian Synchrotron**

No	Beamline Description	Category	Energy Range
<b>Crystallography &amp; Diffraction</b>			
1	High-throughput Protein Crystallography	A	2–23 keV
2	Protein Microcrystal and Small Molecule X-ray Diffraction	A	5.5–20 keV
3	Powder X-ray Diffraction	A	4–60 keV
4	Small and Wide Angle X-ray Scattering	A	5.5–20 keV
<b>Spectroscopy</b>			
5	X-ray Absorption Spectroscopy	A	4–65 keV
6	Soft X-ray Spectroscopy	A	0.1–2.5 keV
7	Vacuum Ultraviolet (VUV)	B	10–350 eV
8	Infrared Spectroscopy	A	0.001–1 eV
9	Microspectroscopy (submicron-XAS, XANES, & XRF)	A	5–20 keV
<b>Imaging</b>			
10	Imaging and Medical Therapy	A, B	10–120 keV
11	Microdiffraction and Fluorescence Probe (XRD & XRF mapping)	C	4–37 keV
<b>Polarimetry</b>			
12	Circular Dichroism	B	2–10 eV
<b>Advanced Manufacturing</b>			
13	Lithography	C	2–25 keV



# Section 01

## Potential users & supporters of the Australian Synchrotron by surname

\* Indicates supporters, i.e. interested and supportive of beamline development, but unable to self-identify as a potential user

Name	Institution	Department	No. in group	Beamline/s of interest	Region
Assoc Prof Derek Abbott	The University of Adelaide	School of Electrical & Electronic Engineering	5	8	SA
Dr Brendan Abrahams	The University of Melbourne	School of Chemistry	1	2	VIC
Prof Mike Adams	RMIT	Faculty of Applied Science	2	5	VIC
Dr Adrienne Adams	The University of Sydney	School of Molecular & Microbial Biosciences	2	1, 2	NSW
Dr Mibel Aguilar	Monash University	Department of Biochemistry & Molecular Biology	6	12	VIC
Dr Deepak Akolekar	RMIT	Faculty of Applied Science	2	2, 3, 5	VIC
Prof Paul Alewood	The University of Queensland	Institute for Molecular Bioscience	1	12	QLD
Dr Brett Ammundsen	Pacific Lithium NZ Limited	ILiON Technology Corporation	1	5	NZ
Dr Bryan Anderson	Massey University	Institute of Molecular BioSciences	1	1, 2	NZ
Dr Chris Anderson	Massey University	Institute of Natural Resources	4	8	NZ
Dr Sarah Antill	The University of Sydney	School of Chemistry	1	9	NSW
Dr Vickery Arcus	The University of Auckland	School of Biological Sciences	6	1, 2	NZ
Dr Nicholas Armstrong	University of Technology Sydney	Department of Applied Physics	8	3	NSW
Dr Stuart Bailey	Curtin University of Technology	Department of Applied Chemistry	4	3, 5, 6	WA
Prof Edward Baker	The University of Auckland	School of Biological Sciences	17	1, 2	NZ
Dr Anthony Baker	University of Technology Sydney	Department of Chemistry, Materials & Forensic Science	1	5, 11	NSW
Dr John Bartlett	ANSTO	Materials & Engineering Science	1	9	NSW
Dr Stuart Batten	Monash University	School of Chemistry	3	2	VIC
Assoc Prof James Beattie	The University of Sydney	School of Chemistry	1	4, 5	NSW
Dr Bruce Begg	ANSTO	Materials & Engineering Science	5	5	NSW
Dr Antonio (Nino) Benci	Monash University	School of Physics & Materials Engineering	1	4, 10	VIC
Dr Andrew Berry	The Australian National University	Research School of Earth Sciences	3	5, 6, 8, 9, 11	ACT
Dr Stephen Best	The University of Melbourne	School of Chemistry	4	5, 6, 8	VIC
Dr Colleen Bettles	CSIRO	Manufacturing & Infrastructure Technology	2	3, 9, 10, 11	VIC
Prof Suresh Bhargava	RMIT	Faculty of Applied Science	2	5	VIC
Dr Evan Bieske	The University of Melbourne	School of Chemistry	5	8	VIC
Dr Antoine Bittar	Industrial Research Limited, New Zealand	Measurements Standards Laboratory	6	5, 8	NZ
Dr Tomasz Blach	Griffith University	School of Science	5	9	QLD
Dr Allan Blackman	University of Otago	Department of Chemistry	3	2	NZ
Dr Ned Blagojevic	ANSTO	Environment	1	5, 9	NSW
Dr Helen Blanchard	Griffith University	Institute for Glycomics	4	1, 2	QLD
Dr Ian Blanchonette	CSIRO	Textile & Fibre Technology	5	10	VIC
Prof John Blunt	The University of Canterbury	Department of Chemistry	12	2	NZ
Dr Stephen Bottomley	Monash University	Department of Biochemistry and Molecular Biology	12	12	VIC
Prof Graham Bowmaker	The University of Auckland	Department of Chemistry	6	6, 8	NZ
Dr Narelle Brack	La Trobe University	Centre for Materials & Surface Science, Department of Physics	4	6	VIC
Dr John Bromly	Curtin University of Technology	Department of Chemical Engineering	1	3, 5, 6, 8	WA
Assoc Prof Sally Brooker	University of Otago	Department of Chemistry	8	2	NZ
Assoc Prof Penny Brothers	The University of Auckland	Department of Chemistry	5	2	NZ
Dr Chris Brown	Griffith University	School of Science	8	2	QLD
Dr Joel Brugger	The University of Adelaide	School of Earth & Environmental Sciences	4	2, 3, 5, 9	SA
Dr Craig Buckley	Curtin University of Technology	Department of Applied Physics	10	4	WA
Prof Alan Buckley	The University of New South Wales	School of Chemistry	2	6	NSW

Name	Institution	Department	No. in group	Beamline/s of interest	Region
Prof Stephen Buckman*	The Australian National University	Research School of Physical Sciences and Engineering	1	7	ACT
Dr Clifford Bueno	General Electric	Nondestructive Testing Department	25	10	VIC
Assoc Prof Mark Buntine	The University of Adelaide	School of Chemistry	6	8	SA
Prof Robert Burford	The University of New South Wales	School of Chemical Engineering and Industrial Chemistry	1	4	NSW
Assoc Prof Jim Camakaris	The University of Melbourne	Department of Genetics	4	9	VIC
Prof Stewart Campbell	ADFA, UNSW	School of Physical, Environmental and Mathematical Sciences	3	3, 5	ACT
Prof Allan Canty	The University of Tasmania	School of Chemistry	5	2	TAS
Dr Jinan Cao	Swinburne University of Technology	Industrial Research Institute	3	4, 6	VIC
Dr Tom Caradoc-Davies	University of Otago	Department of Biochemistry	1	1, 2	NZ
Dr Jenny Carmichael	CSIRO	Health Sciences & Nutrition	1	1, 2	VIC
Dr Paul Carr	The Australian National University	Research School of Chemistry	4	1, 2	ACT
Dr Elizabeth Carter	The University of Sydney	School of Chemistry	3	8	NSW
Prof John Carver	The University of Adelaide	School of Physics	5	2, 3, 12	SA
Mr Phil Casey	CSIRO	Manufacturing & Infrastructure Technology	10	5, 9, 10, 11	VIC
Assoc Prof John Cashion	Monash University	School of Physics & Materials Engineering	2	3	VIC
Dr Joe Cavallaro	CSIRO	Manufacturing & Infrastructure Technology	40	11	SA
Dr Alan Chaffee	Monash University	School of Chemistry	10	6	VIC
Assoc Prof Chris Chantler	The University of Melbourne	School of Physics	10	3, 5, 9	VIC
Assoc Prof Sue Charman	Monash University	Department of Pharmaceutics, Victorian College of Pharmacy	1	12	VIC
Prof Bill Charman	Monash University	Victorian College of Pharmacy	30	12	VIC
Mr Dennis Cheal	IDIA Limited (Imaging Development Institute of Australia)		5	1, 2, 3, 4, 5, 9, 10	VIC
Dr Surinda Cheema	The University of Melbourne	Howard Florey Institute	4	10	VIC
Dr Ming-Chu Cheng	The University of Sydney	School of Chemistry	4	6	NSW
Dr John Chiefari	CSIRO	Molecular Science	5	4, 8	VIC
Dr Jeff Church	CSIRO	Textile & Fibre Technology	3	5, 8, 9, 12	VIC
Prof George Clark	The University of Auckland	Department of Chemistry	2	1, 2	NZ
Prof John Clement	The University of Melbourne	School of Dental Science	4	10	VIC
Prof David Cohen	ANSTO	Environment	37	9	NSW
Dr Charles Collyer	The University of Sydney	School of Molecular & Microbial Biosciences	1	1, 2	NSW
Dr Peter Colman	Walter & Eliza Hall Institute	Structural Biology Division	5	1, 2, 12	VIC
Dr Joan Connolly	Curtin University of Technology	Department of Applied Physics	1	4	WA
Assoc Prof Wayne Cook	Monash University	School of Physics & Materials Engineering	3	4	VIC
Dr David Cookson	ANSTO	The Bragg Institute	1	4	NSW
Dr Richard Corkish	The University of New South Wales	Centre for Photovoltaic Engineering	50	6	NSW
Prof Hans Coster	The University of New South Wales	Centre for Membrane Science and Technology	5	4	NSW
Prof David Craik	The University of Queensland	Institute for Molecular Bioscience	25	12	QLD
Mr Dean Crawford	BHP Billiton Technology	Newcastle Technology Centre	175	11	NSW
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Dr Caroline Curfs	ANSTO	Materials & Engineering Science	1	3	NSW
Dr Paul Curmi	The University of New South Wales	School of Physics	10	1, 2, 12	NSW
Assoc Prof John Cutfield	University of Otago	Department of Biochemistry	4	1, 2	NZ
Dr Sue Cutfield*	University of Otago	Department of Biochemistry	1	1, 2	NZ
Dr Michael Dally	The Alfred	William Buckland Radiotherapy Centre	7	10	VIC
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Dr Cameron Davidson	CSIRO	Manufacturing & Infrastructure Technology	6	10	QLD
Dr Chris Davies	Monash University	School of Physics & Materials Engineering	1	3, 4, 6	VIC

Name	Institution	Department	No. in group	Beamline/s of interest	Region
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Dr Tim Davis	CSIRO	Manufacturing & Infrastructure Technology	3	10,13	VIC
Dr Catherine Day*	University of Otago	Department of Biochemistry	2	1, 2	NZ
Assoc Prof Roland De Marco	Curtin University of Technology	Department of Applied Chemistry	7	2, 3, 4, 6	WA
Prof Glen Deacon	Monash University	School of Chemistry	8	9	VIC
Dr Prakash Deenapanray	The Australian National University	Research School of Physical Sciences & Engineering	3	5, 6, 7	ACT
Dr Gary Dennis	The University of Western Sydney	School of Science, Food & Horticulture	4	4	NSW
Dr Carolyn Dillon	The University of Sydney	Electron Microscope Unit	6	9	NSW
Dr Nicholas Dixon	The Australian National University	Research School of Chemistry	11	12	ACT
Mr Grant Dow	X-Ray Technologies Ltd		3	10	VIC
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Dr Robert Evans	CSIRO	Forestry & Forest Products	6	3, 4, 5, 10, 11	VIC
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Assoc Prof Trevor Finlayson	Monash University	School of Physics & Materials Engineering	4	3, 4, 6	VIC
Dr Peter Fisher	Victorian Department of Primary Industries	Primary Industries Research Victoria	3	10	VIC
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Assoc Prof Lawrence Gahan	The University of Queensland	School of Molecular & Microbial Sciences	4	1, 2, 3, 6, 12	QLD
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Dr Chris Garvey	ANSTO	Environment	6	4	NSW
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Dr Chris Glover	The Australian National University	Research School of Physical Sciences & Engineering	2	3, 4, 5, 6,	ACT
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Dr Paul Gooley	The University of Melbourne	Department of Biochemistry & Molecular Biology	6	12	VIC
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Dr Peter Hammond	The University of Western Australia	School of Physics	12	7	WA
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Dr Robin Hart	Curtin University of Technology	Department of Medical Imaging Science	1	10	WA
Dr Patrick Hartley	CSIRO	Molecular Science	3	4, 6	VIC
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Dr David Hibbs	The University of Sydney	School of Chemistry	5	2	NSW
Dr Ron Hill	CSIRO	Molecular Science	3	1, 2, 11, 12	NSW
Dr Warwick Hillier	The Australian National University	Research School of Biological Sciences	1	8	ACT
Dr Steven Hinchley	Edith Cowan University	School of Engineering & Mathematics	7	9	WA
Dr Peter Holden	ANSTO	Environment	15	9	NSW
Assoc Prof Stuart Hooper	Monash University	Department of Physiology	15	10	VIC
Assoc Prof Greg Hope	Griffith University	School of Science	4	6, 8	QLD
Mr Mike Horne	CSIRO	Minerals	1	9, 11	VIC
Dr Rob Hough	CSIRO	Exploration & Mining	5	5	WA

Name	Institution	Department	No. in group	Beamline/s of interest	Region
Dr Christopher Howard	ANSTO	Materials & Engineering Science	4	3	NSW
Dr Patrick Howlett	CSIRO/Monash University	Energy Technology	20	3, 4, 5, 8	VIC
Assoc Prof Geoff Howlett	The University of Melbourne	Department of Biochemistry and Molecular Biology	10	12	VIC
Dr Maria Hrmova	The University of Adelaide	Waite Agricultural Research Institute	1	1, 2	SA
Prof Mark G. Humphrey	The Australian National University	Research School of Chemistry	6	2	ACT
Prof Stephen Hyde	The Australian National University	Research School of Physical Sciences & Engineering	6	10	ACT
Dr Margaret Hyland	The University of Auckland	Department of Chemical & Materials Engineering	8	5	NZ
Assoc Prof Hicham Idriss	The University of Auckland	Department of Chemistry	5	6	NZ
Prof Chennupati Jagadish	The Australian National University	Research School of Physical Sciences & Engineering	15	7	ACT
Adj Prof Veronica James	The Australian National University	Research School of Chemistry	1	4	ACT
Dr Michael James	ANSTO	The Bragg Institute	5	3, 4	NSW
Prof Geoffrey Jameson	Massey University	Centre for Structural Biology	5	1, 2	NZ
Dr Ian Jamie	Macquarie University	Department of Chemistry	1	8	NSW
Assoc Prof David Jamieson	The University of Melbourne	School of Physics	30	9	VIC
Dr Ross Jeffree	ANSTO	Environment	6	9	NSW
Dr Peter Junk	Monash University	School of Chemistry	8	2	VIC
Assoc Prof Scott Kable	The University of Sydney	School of Chemistry	6	8	NSW
Dr Peter Kappen	La Trobe University	Centre for Materials & Surface Science, Department of Physics	4	6	VIC
Prof Richard Keene	James Cook University	School of Pharmacy & Molecular Sciences	5	2	QLD
Dr Peter Kemeny	Kemeny Consulting		1	13	VIC
Mr Ivan Kempson	The University of South Australia	Ian Wark Research Institute	1	5, 6, 8, 9, 10	SA
Dr Shane Kennedy	ANSTO	The Bragg Institute	9	2, 3, 6, 12	NSW
Assoc Prof Brendan Kennedy	The University of Sydney	School of Chemistry	7	3, 5, 6, 9	NSW
Dr Cameron Kepert	The University of Sydney	School of Chemistry	13	2, 3, 5	NSW
Assoc Prof Bruce King	The University of Newcastle	School of Mathematical & Physical Sciences	10	6	NSW
Dr Nigel Kirby	Curtin University of Technology	Department of Applied Physics and Materials Research Group	1	3	WA
Dr Oliver Kirstein	ANSTO	The Bragg Institute	7	3	NSW
Assoc Prof Erich Kisi	The University of Newcastle	Faculty of Engineering & Built Environment	4	3	NSW
Dr Craig Klauber	CSIRO	Minerals	2	6	WA
Dr Wim Klooster	ANSTO	The Bragg Institute	1	1,2	NSW
Dr Patrick Kluth	The Australian National University	Research School of Physical Sciences & Engineering	2	4, 5, 6	ACT
Dr Susan Kluth	The Australian National University	Research School of Physical Sciences & Engineering	1	4, 5, 6	ACT
Dr Robert Knott	ANSTO	The Bragg Institute	5	4	NSW
Dr David Knowles	Industrial Research Limited, New Zealand	Materials Performance Technologies	22	4, 5, 9, 11	NZ
Assoc Prof Bostjan Kobe	The University of Queensland	School of Molecular & Microbial Sciences	12	1, 2, 12	QLD
Dr George Koutsantonis	The University of Western Australia	School of Biomedical & Chemical Sciences	5	2	WA
Mr David Krenus	Berthold Australia Pty Ltd		6	10	VIC
Mr Adam Krezel	Swinburne University of Technology	School of Engineering & Science	1	4	VIC
Ms Min Ku	Austin Health	Department of Radiation Oncology	1	10	VIC
Dr Robert La Nauze	WMC Resources	Technology	1	11	VIC
Prof Robert Lamb	The University of New South Wales	School of Chemistry	7	4, 5, 6	NSW
Dr Nigel Larsen*	New Zealand Institute for Crop & Food Research Ltd	Food & Biomaterials Innovation	1	2	NZ
Dr Kay Latham	RMIT	Faculty of Applied Science	5	4, 5	VIC
Dr Eddie Lau*	Peter MacCallum Cancer Centre	Centre for Molecular Imaging	1	10	VIC
Prof Warren Lawrance	Flinders University	School of Chemistry, Physics and Earth Sciences	1	8, 11	SA

Name	Institution	Department	No. in group	Beamline/s of interest	Region
Dr Mike Lawrence	CSIRO	Health Sciences & Nutrition	5	1, 2, 4	VIC
Prof Peter Lay	The University of Sydney	School of Chemistry	15	2, 5, 6, 8, 9, 12	NSW
Dr Nick Laycock	Industrial Research Limited, New Zealand	Materials Performance Technologies	10	5	NZ
Prof Robert Leckey	La Trobe University	Physics	3	6, 7	VIC
Dr Alasdair Lee	Curtin University of Technology	Department of Applied Chemistry	1	8	WA
Dr Michael Lerch	The University of Wollongong	Centre for Medical Radiation Physics	6	9	NSW
Prof Peter Leverett	The University of Western Sydney	School of Science, Food & Horticulture	6	1, 2, 3	NSW
Prof Rob Lewis	Monash University	School of Physics & Materials Engineering	10	4, 10	VIC
Assoc Prof Roger Lewis	The University of Wollongong	School of Engineering Physics	6	8	NSW
Dr Chun-Zhu Li	Monash University	Chemical Engineering	1	6, 9	VIC
Dr Daniel Liang	CSIRO	Manufacturing & Infrastructure Technology	2	3, 9, 10, 11	VIC
Assoc Prof John Liesegang	La Trobe University	Physics	1	6, 7	VIC
Prof Grier Lin*	The University of South Australia	IT, Engineering & the Environment,	1	11	SA
Dr Frank J. Lincoln	The University of Western Australia	School of Biomedical & Chemical Sciences	4	2	WA
Dr Weihua Liu	CSIRO	Exploration & Mining	1	11	NSW
Prof Birgit Lohmann	Griffith University	School of Science	4	7	QLD
Dr Enzo Lombi	CSIRO	Land & Water	3	5, 6, 9	SA
Dr Shaun Lott	The University of Auckland	School of Biological Sciences	6	1, 2	NZ
Assoc Prof It-Meng (Jim) Low	Curtin University of Technology	Department of Applied Physics	9	3	WA
Dr Victor Luca	ANSTO	Materials & Engineering Sciences	11	4, 5	NSW
Ms Jenny Lydon	Radiation Oncology Victoria	Physics	1	10	VIC
Dr Joel Mackay	The University of Sydney	School of Molecular & Microbial Biosciences	15	12	NSW
Mr Colin MacRae	CSIRO	Minerals	4	5, 6, 9, 11	SA
Dr Ian Madsen	CSIRO	Minerals	3	3, 4, 5, 9, 11	VIC
Dr Megan Maher	The University of Sydney	School of Molecular & Microbial Biosciences	2	1	NSW
Prof David Mainwaring	RMIT	Faculty of Applied Science	5	4, 9	VIC
Dr Lisa Martin	Monash University	School of Chemistry	5	12	VIC
Assoc Prof Jenny Martin	The University of Queensland	Institute for Molecular Bioscience	15	1, 2, 12	QLD
Dr Phil Martin*	CSIRO	Telecommunications & Industrial Physics	1	9	NSW
Prof Colin Masters	The University of Melbourne	Department of Pathology	3	10	VIC
Assoc Prof Anthony Masters	The University of Sydney	School of Chemistry	7	5	NSW
Dr Jacqueline Matthews	The University of Sydney	School of Molecular & Microbial Biosciences	11	12	NSW
Dr John Mavrogenes	The Australian National University	Research School of Earth Sciences	4	9, 11	ACT
Dr Raymond Mawson	Food Science Australia	Innovative Foods Centre, Ultrasonics	11	4, 8, 10	VIC
Dr Maxine McCall*	CSIRO	Molecular Science	1		NSW
Mr Geoffrey McCredie	University of Technology Sydney	Department of Applied Physics	3	6	NSW
Dr Kathryn McGrath	Victoria University of Wellington	Department of Chemistry	4	2	NZ
Dr John McKinnon	Canesis Network Ltd, New Zealand	Platform Sciences Division	1	4	NZ
Dr Joshua McKinnon	The University of New England	Chemistry	5	2	NSW
Assoc Prof Kerry McManus	Swinburne University of Technology	School of Engineering & Science	12	4	VIC
Dr Don McNaughton	Monash University	School of Chemistry	10	8	VIC
Assoc Prof James McQuillan	University of Otago	Department of Chemistry	7	8	NZ
Dr Ian Menz	Flinders University	School of Biological Sciences	3	1, 2	SA
Dr Terry Mernagh	Geoscience Australia	Minerals & Geohazards Division	3	8, 9	ACT
Assoc Prof Peter Metcalf	The University of Auckland	School of Biological Sciences	6	1, 2	NZ
Dr Greg Metha	The University of Adelaide	School of Chemistry	4	8	SA
Assoc Prof James Metson	The University of Auckland	Department of Chemistry	2	5, 6	NZ
Prof David Midmore	Central Queensland University	School of Biological & Environmental Sciences	30	9	QLD
Dr Peter Miller	CSIRO	Manufacturing & Infrastructure Technology	1	3, 4, 5, 9, 10, 11, 13	VIC

Name	Institution	Department	No. in group	Beamline/s of interest	Region
Dr Stuart Miller	Environmental Geochemistry International Pty Ltd		1	11	NSW
Dr Natasha Mitic	The University of Queensland	School of Molecular & Microbial Sciences	1	5	QLD
Mr Barton Moenster	Boeing Company Phantom Works	Advanced Manufacturing Research and Development	150	10	QLD
Assoc Prof Michael Morgan	Monash University	School of Physics & Materials Engineering	1	3, 4, 6	VIC
Dr Pat Mottram	Austin Research Institute	Inflammatory Diseases	12	10	VIC
Dr Terrence Mulhern	The University of Melbourne	Department of Biochemistry & Molecular Biology	8	1, 2, 4, 12	VIC
Assoc Prof Paul Mulvaney	The University of Melbourne	School of Chemistry	4	3, 4, 8, 9, 13	VIC
Prof Keith Murray	Monash University	School of Chemistry	8	2, 3, 5	VIC
Dr Damian Myers	The University of Melbourne	Department of Physiology	3	10	VIC
Dr Philip Nakashima	Monash University	School of Physics & Materials Engineering	1	3, 4, 6	VIC
Dr Labrini Nassis	Cyclotek (Aust) Pty Ltd		4	10	VIC
Professor Peter Nelson	Macquarie University	Graduate School of the Environment	1	5, 6, 8, 9, 11	NSW
Dr Roger Netterfield*	CSIRO	Telecommunications & Industrial Physics	1	9	NSW
Dr Aaron Neufeld	CSIRO	Manufacturing & Infrastructure Technology	4	3, 4, 5, 8, 9, 11	VIC
Prof Brian Nicholson	The University of Waikato	School of Chemistry	3	2	NZ
Dr Andrei Nikulin	Monash University	School of Physics & Materials Engineering	5	3, 10	VIC
Dr Gillian Norris	Massey University	Institute of Molecular BioSciences	10	1, 2	NZ
Prof Ray Norton	Walter & Eliza Hall Institute	Structural Biology Division	12	12	VIC
Prof Keith Nugent	The University of Melbourne	School of Physics	7	4, 9, 10	VIC
Assoc Prof Graeme Nyberg	La Trobe University	Department of Chemistry	2	6, 7	VIC
Emeritus Professor Brian O'Connor	Curtin University of Technology	Department of Applied Physics	7	3, 5, 9, 11	WA
Prof Cyril O'Conner	University of Cape Town	Department of Chemical Engineering	28	11	S Africa
Dr Graeme O'Keefe	Austin Health	Centre for Positron Emission Tomography	5	10	VIC
Dr David Ollis	The Australian National University	Research School of Chemistry	4	1, 2	ACT
Prof Hugh O'Neill	The Australian National University	Research School of Earth Sciences	4	3, 5, 9, 11	ACT
Dr Vincent Otieno-Alego	Australian Federal Police	Forensic Services	1	3, 4, 5, 8	ACT
Dr Jacob Overgaard	The University of Sydney	School of Chemistry	2	2	NSW
Mr David Paganin	Monash University	School of Physics & Materials Engineering	8	3, 4, 10	VIC
Prof Michael Parker	St Vincent's Institute of Medical Research	Biota Structural Biology Laboratory	14	1, 2, 12	VIC
Prof Gordon Parkinson	Curtin University of Technology	Department of Applied Chemistry	9	2, 5	WA
Dr Lincoln Paterson	CSIRO	Petroleum Resources	3	10	VIC
Assoc Prof Tony Patti	Monash University	School of Applied Science	1	4, 10	VIC
Dr Konstantin Pavlov	Monash University	School of Physics & Materials Engineering	5	3, 4, 10	VIC
Dr Tim Payne	ANSTO	Environment	4	9	NSW
Ms Susan Pearce*	The Alfred	William Buckland Radiotherapy Centre	1	10	VIC
Dr Sarah Pearson	The University of New England	Physics & Electronics	3	8, 10	NSW
Dr Andrew Peele	The University of Melbourne	School of Physics	7	10, 13	VIC
Prof David Penny	Massey University	Institute of Molecular BioSciences	4	1, 2	NZ
Dr Mladen Petracic	The Australian National University	Research School of Physical Sciences & Engineering	4	6, 7	ACT
Assoc Prof Paul Pigram	La Trobe University	Physics	5	6, 7	VIC
Dr Ross Piltz	ANSTO	The Bragg Institute	30	2, 3, 5	NSW
Dr Andrew Pogany	CSIRO	Manufacturing & Infrastructure Technology	1	10	VIC
Dr Gerard Eddy Poinern	Curtin University of Technology	Department of Applied Chemistry	1	6	WA
Dr Galina Polekhina	St Vincent's Institute of Medical Research	Biota Structural Biology Laboratory	1	1, 2	VIC
Prof Dan Potts	The University of Sydney	Department of Archaeology	1	3, 9	NSW
Professor John Price	Monash University	Mechanical Engineering	1	3, 4, 6	VIC
Dr Roger Price	Sir Charles Gairdner Hospital	Department of Medical Technology and Physics	3	4, 10	WA

Name	Institution	Department	No. in group	Beamline/s of interest	Region
Prof Allan Pring	South Australian Museum	Department of Mineralogy	7	3,11	SA
Dr Anthony W Purcell	The University of Melbourne	Department of Microbiology & Immunology	5	12	VIC
Prof Stephen Pyne	The University of Wollongong	Department of Chemistry	12	2	NSW
Prof Ron Quinn	Griffith University	Natural Product Discovery, The Eskitis Institute	52	1, 2	QLD
Dr Jamie Quinton	Flinders University	School of Chemistry, Physics & Earth Sciences	5	5, 6, 9,11	SA
Dr Andrzej Radlinski	Geoscience Australia	Petroleum & Marine Division	2	4,10	ACT
Prof John Ralston	The University of South Australia	Ian Wark Research Institute	1	All	SA
Dr Erick Ramanaidou	CSIRO	Exploration & Mining	1	5	WA
Dr Paul Ramsland	Austin Research Institute	Structural Immunology	3	1, 2,12	VIC
Prof Colin Raston	The University of Western Australia	School of Biomedical & Chemical Sciences	6	2	WA
Mr Mark Raven	CSIRO	Land & Water	3	3	SA
Dr Michael Reid	University of Canterbury	Department of Physics & Astronomy	1	8	NZ
Dr Philip Reynolds	The Australian National University	Research School of Chemistry	1	3, 4	ACT
Dr Samantha Richardson	The University of Melbourne	Biochemistry & Molecular Biology	6	10	VIC
Dr Mark Ridgway	The Australian National University	Research School of Physical Sciences and Engineering	9	5	ACT
Prof John Riley	La Trobe University	Physics	1	6, 7	VIC
Dr Mark Riley	The University of Queensland	School of Molecular & Microbial Sciences	6	5	QLD
Prof Gail Risbridger	Monash University	Institute of Reproduction & Development	1	10	VIC
Dr Ezio Rizzardo	CSIRO	Molecular Science	5	4, 6, 8	VIC
Dr Gerald Roach	Alcoa World Alumina	Technology Delivery Group	30	4, 5	WA
Dr Evan Robertson	Monash University	School of Chemistry	4	8	VIC
Prof Ward Robinson	The University of Canterbury	Department of Chemistry	4	2	NZ
Dr Andrea Robinson	Monash University	School of Chemistry	10	12	VIC
Dr Robert Robinson	ANSTO	The Bragg Institute	1	3	NSW
Prof Richard Robson	The University of Melbourne	School of Chemistry	6	2	VIC
Assoc Prof Andrew Rohl	Curtin University of Technology	Department of Applied Chemistry	3	2, 5	WA
Prof Jeffrey Rosenfeld	The Alfred	Department of Neurosurgery	1	10	VIC
Dr Jamie Rossjohn	Monash University	Department of Biochemistry & Molecular Biology	22	1, 2,12	VIC
Prof Anatoly Rozenfeld	The University of Wollongong	Centre for Medical Radiation Physics	6	9,10	NSW
Dr Ben Ruck	Victoria University of Wellington	School of Chemical & Physical Sciences	5	5,6	NZ
Prof Douglas Russell	The University of Auckland	Department of Chemistry	4	8	NZ
Dr Jennifer Russell	The University of New South Wales	School of Chemistry	8	5,6	NSW
Dr Gail Ryan	Peter MacCallum Cancer Centre	Radiation Oncology	6	10	VIC
Dr Chris Ryan	CSIRO	Exploration & Mining	4	9	NSW
Dr Gary Schenk	The University of Queensland	School of Molecular & Microbial Sciences	2	5	QLD
Dr Siegbert Schmid	The University of Sydney	School of Chemistry	2	2, 3	NSW
Dr Jamie Schulz	ANSTO	The Bragg Institute	2	4	NSW
Dr Janet Scott	Monash University	School of Chemistry	11	2, 3	VIC
Dr Jeffrey Sellar	Monash University	School of Physics & Materials Engineering	1	7	VIC
Assoc Prof Frances Separovic	The University of Melbourne	School of Chemistry	5	12	VIC
Dr Joe Shapter	Flinders University	School of Chemistry, Physics & Earth Sciences	1	6	SA
Dr Ray Shaw	Rio Tinto	Technology Support	50	11	VIC
Prof Jim Simpson	University of Otago	Department of Chemistry	4	2	NZ
Dr Nagindar Singh	The University of New South Wales	School of Chemistry	3	6	NSW
Dr Balwant Singh	The University of Sydney	Faculty of Agriculture, Food & Natural Resources	5	3, 5	NSW
Dr Karen Siu	Monash University	School of Physics & Materials Engineering	1	4	VIC
Dr Brian Skelton	The University of Western Australia	School of Biomedical & Chemical Sciences	3	2	WA
Dr William (Bill) Skinner	The University of South Australia	Ian Wark Research Institute	2	5, 6, 7, 8, 9,10	SA
Ms Robyn Sloggett	The University of Melbourne	Centre for Cultural Materials Conservation	5	10	VIC
Dr David Small	Monash University	Department of Biochemistry & Molecular Biology	7	12	VIC
Dr Katherine Smith	ANSTO	Materials & Engineering Science	1	9	NSW



Name	Institution	Department	No. in group	Beamline/s of interest	Region
Ms Jo Smylie	The Alfred	Radiation Oncology	30	10	VIC
Dr Peter Sopade	University of Queensland	Division of Chemical Engineering	1	1, 2, 3, 4	QLD
Dr Peter Southon	The University of Sydney	School of Chemistry	1	2, 5	NSW
Prof Mark Spackman	The University of New England	School of Biological, Biomedical & Molecular Sciences	5	2	NSW
Dr Leone Spiccia	Monash University	School of Chemistry	9	2, 3, 5	VIC
Assoc Prof Tim St Pierre	The University of Western Australia	School of Physics	13	4	WA
Dr Anton Stampfl	ANSTO	The Bragg Institute	1	6, 7, 9	NSW
Prof Peter Steel	The University of Canterbury	Department of Chemistry	8	2	NZ
Dr Andrew Stevenson	CSIRO	Manufacturing & Infrastructure Technology	1	3, 4, 9, 10, 11, 13	VIC
Dr Victor Streltsov	CSIRO	Health Sciences & Nutrition	2	1, 2, 5	VIC
Dr Vladimir Strezov	Macquarie University	Graduate School of the Environment	2	5	NSW
Dr Nick Strickland	Industrial Research Limited, New Zealand	Materials Technologies Group	1	8	NZ
Dr James Sullivan	The Australian National University	Research School of Physical Sciences and Engineering	1	7	ACT
Dr Shouyi Sun	CSIRO	Minerals	4	4, 5, 10	VIC
Dr Andrew Sutherland-Smith	Massey University	Institute of Molecular BioSciences	1	1, 2	NZ
Dr David Sutton	ANSTO	The Bragg Institute	1	4	NSW
Dr Varghese Swamy	Monash University	School of Physics & Materials Engineering	1	3, 4, 5, 6	VIC
Dr Keen-Hun Tai	Peter MacCallum Cancer Centre	Radiation Oncology	10	10	VIC
Prof Jeff Tallon	Industrial Research Limited, New Zealand	Materials Technologies Group	6	5	NZ
Dr Russell Taylor	CSIRO	Manufacturing & Infrastructure Technology	12	4, 5, 6, 8, 9, 11	VIC
Dr Stuart Thompson	ANSTO	Materials & Engineering Science	1	5	NSW
Dr John Thornton	Defence Science and Technology Organisation	Air Vehicles Division	7	3, 10	VIC
Prof Stephen Thurgate	Murdoch University	Science & Engineering	6	6, 7	WA
Dr Vicki-Anne Tolhurst	The University of Tasmania	School of Chemistry	3	2	TAS
Dr Chanh Tran	The University of Melbourne	School of Physics	2	3	VIC
Dr Nguyen Tran	The University of New South Wales	School of Chemistry	1	5, 6	NSW
Prof Brian Tress	The University of Melbourne /Royal Melbourne Hospital	Department of Radiology	4	10	VIC
Dr Joe Trodahl	Victoria University of Wellington	School of Chemical & Physical Sciences	5	5, 7, 8	NZ
Dr Peter Turner	The University of Sydney	School of Chemistry	1	2, 3	NSW
Dr Marjorie Valix	The University of Sydney	Department of Chemical Engineering	1	3, 5	NSW
Mr Richard van Beveren	Ceramic Fuel Cells Limited	Manufacturing	6	10	VIC
Assoc Prof Wilhelm van Bronswijk	Curtin University of Technology	Department of Applied Chemistry	3	8	WA
Prof Arie van Riessen	Curtin University of Technology	Division of Engineering, Science and Computing	4	3	WA
Dr Lou Vance	ANSTO	Materials & Engineering Science	30	3, 5, 9	NSW
Dr Jose Varghese	CSIRO	Health Sciences & Nutrition	18	1, 2, 4, 5, 9, 12	VIC
Dr Maartin Vos	The Australian National University	Research School of Physical Sciences and Engineering	5	7	ACT
Assoc Prof John Wade	The University of Melbourne	Howard Florey Institute	3	12	VIC
Prof David Waite	The University of New South Wales	School of Civil & Environmental Engineering	3	9	NSW
Prof John Wallace	The University of Adelaide	School of Molecular & Biological Science	9	12	SA
Dr Kia Wallwork	ANSTO	The Bragg Institute	1	2, 3	NSW
Assoc Prof Kerry Walsh	Central Queensland University	Department of Biology	1	9	QLD
Dr Mark Waltham	St Vincent's Institute of Medical Research	Pharmacogenomics	4	10	VIC
Prof Greg Warr	The University of Sydney	School of Chemistry	1	4	NSW
Dr Colin Weeks	The University of Sydney	School of Chemistry	14	2, 3, 5	NSW
Prof Richard Welberry	The Australian National University	Research School of Chemistry	3	2, 3, 9	ACT
Dr Susan Welch	The Australian National University	Research School of Earth Sciences	1	9	ACT

Name	Institution	Department	No. in group	Beamline/s of interest	Region
Dr Edeline Wentrup-Byrne	Queensland University of Technology	School of Physical & Chemical Sciences	6	8	QLD
Prof Richard Wettenhall	The University of Melbourne	Department of Biochemistry & Molecular Biology	1	12	VIC
Dr James Whisstock	Monash University	Department of Biochemistry & Molecular Biology	1	1, 2	VIC
Prof Allan White	The University of Western Australia	School of Biomedical & Chemical Sciences	3	3	WA
Prof John White	The Australian National University	Research School of Chemistry	9	4	ACT
Dr Jane Whitley	Victorian Department of Primary Industries	Marsupial Genomics	8	10	VIC
Dr Gene Wijffels	CSIRO	Livestock Industries	3	2	QLD
Dr Sigurd Wilbanks	University of Otago	Department of Biochemistry	3	1, 2, 4	NZ
Assoc Prof Matthew Wilce	The University of Western Australia	School of Biomedical & Chemical Sciences	16	1, 2, 12	WA
Dr Jackie Wilce	The University of Western Australia	School of Biomedical & Chemical Sciences	5	12	WA
Dr Steve Wilkins	CSIRO	Manufacturing & Infrastructure Technology	4	3, 4, 9, 10, 11, 13	VIC
Dr Grant Williams	Industrial Research Limited, New Zealand	Materials Technologies Group	1	5	NZ
Prof Jim Williams	The University of Western Australia	School of Physics	12	6, 7	WA
Prof Peter Williams	The University of Western Sydney	School of Science, Food & Horticulture	3	1, 2, 3	NSW
Dr Alan Wilson	Defence Science & Technology Organisation	Maritime Platforms Division	8	13	VIC
Dr Bayden Wood	Monash University	School of Chemistry	1	8	VIC
Dr Barry Wood	The University of Queensland	BSAF, Dept of Chemistry	2	6	QLD
Dr Hongwei Wu	Curtin University of Technology	Department of Chemical Engineering	1	3, 5, 6, 8	WA
Dr Jin Xu	The University of Melbourne	Department of Otolaryngology	3	10	VIC
Dr Yibin Xu	James Cook University	Biochemistry & Molecular Biology	3	1, 2	QLD
Dr Sam Yang	CSIRO	Manufacturing & Infrastructure Technology	2	10	VIC
Assoc Prof Charles Young	The University of Melbourne	School of Chemistry	3	5	VIC
Dr Dehong Yu	ANSTO	The Bragg Institute	1	3	NSW
Dr Johann Zank	The Australian National University	Research School of Chemistry	1	4	ACT
Dr Myint Zaw	ANSTO	Radiopharmaceuticals Division	5	5	NSW
Assoc Prof Deliang Zhang	University of Waikato	Department of Materials & Process Engineering	8	5	NZ
Prof Dong-ke Zhang	Curtin University of Technology	Department of Chemical Engineering	6	3, 5, 6, 8	WA
Dr Zhaoming Zhang	ANSTO	Materials & Engineering Science	1	3, 6	NSW
Dr Hua Zhang	The University of New South Wales	School of Chemistry	1	4, 5, 6	NSW
Dr Peng-wei Zhu	Monash University	School of Physics & Materials Engineering	1	3, 4, 6	VIC
Dr Jianning Zhu	Curtin University of Technology	Department of Chemical Engineering	1	3, 5, 6, 8	WA

## Section 02

### Potential users and supporters of the Australian Synchrotron by region

\* Indicates supporters

Institution / Department	Name	No. in group	Beamline/s of interest
<b>ACT</b>			
<b>ADFA</b>			
School of Physical, Environmental & Mathematical Sciences	Prof Stewart Campbell	3	3, 5
<b>Australian Federal Police</b>			
Forensic Services	Dr Vincent Otieno-Alego	1	3, 4, 5, 8
<b>Geoscience Australia</b>			
Petroleum & Marine Division	Dr Andrzej Radlinski	2	4, 10
Minerals & Geohazards Division	Dr Terry Mernagh	3	8, 9
<b>The Australian National University</b>			
Research School of Biological Sciences	Dr Warwick Hillier	1	8
Research School of Chemistry	Dr Paul Carr	4	1, 2
Research School of Chemistry	Dr Nicholas Dixon	11	12
Research School of Chemistry	Dr Graham Heath	6	5, 8
Research School of Chemistry	Prof Mark G. Humphrey	6	2
Research School of Chemistry	Adj Prof Veronica James	1	4
Research School of Chemistry	Dr David Ollis	4	1, 2
Research School of Chemistry	Dr Philip Reynolds	1	3, 4
Research School of Chemistry	Prof Richard Welberry	3	2, 3, 9
Research School of Chemistry	Prof John White	9	4
Research School of Chemistry	Dr Johann Zank	1	4
Research School of Earth Sciences	Dr Andrew Berry	3	5, 6, 8, 9, 11
Research School of Earth Sciences	Dr Michael Gagan	1	5, 9, 11
Research School of Earth Sciences	Dr John Mavrogenes	4	9, 11
Research School of Earth Sciences	Prof Hugh O'Neill	4	3, 5, 9, 11
Research School of Earth Sciences	Dr Susan Welch	1	9
Research School of Physical Sciences & Engineering	Prof Stephen Buckman*	1	7
Research School of Physical Sciences & Engineering	Dr Prakash Deenapanray	3	5, 6, 7
Research School of Physical Sciences & Engineering	Dr Chris Glover	2	3, 4, 5, 6,
Research School of Physical Sciences & Engineering	Prof Stephen Hyde	6	10
Research School of Physical Sciences & Engineering	Prof Chennupati Jagadish	15	7
Research School of Physical Sciences & Engineering	Dr Patrick Kluth	2	4, 5, 6
Research School of Physical Sciences & Engineering	Dr Susan Kluth	1	4, 5, 6
Research School of Physical Sciences & Engineering	Dr Mladen Petravic	4	6, 7
Research School of Physical Sciences & Engineering	Dr Mark Ridgway	9	5
Research School of Physical Sciences & Engineering	Dr James Sullivan	1	7
Research School of Physical Sciences & Engineering	Dr Maartin Vos	5	7
Research School of Physical Sciences & Engineering	Prof Rob Elliman	34	3, 4, 5, 6, 7, 8, 9, 13
<b>The University of Canberra</b>			
Health Design & Science	Prof Dudley Creagh	14	3, 4, 5, 8

Institution / Department	Name	No. in group	Beamline/s of interest
<b>NEW SOUTH WALES</b>			
<b>ANSTO</b>			
ASRP	Dr Richard Garrett	1	3, 4, 5, 9
Environment	Dr Ned Blagojevic	1	5, 9
Environment	Prof David Cohen	37	9
Environment	Dr Chris Garvey	6	4
Environment	Dr Peter Holden	15	9
Environment	Dr Ross Jeffree	6	9
Environment	Dr Tim Payne	4	9
Materials & Engineering Science	Dr John Bartlett	1	9
Materials & Engineering Science	Dr Bruce Begg	5	5
Materials & Engineering Science	Dr Caroline Curfs	1	3
Materials & Engineering Science	Dr Christopher Howard	4	3
Materials & Engineering Science	Dr Katherine Smith	1	9
Materials & Engineering Science	Dr Stuart Thompson	1	5
Materials & Engineering Science	Dr Lou Vance	30	3, 5, 9
Materials & Engineering Science	Dr Zhaoming Zhang	1	3, 6
Materials & Engineering Sciences	Dr Victor Luca	11	4, 5
Radiopharmaceuticals Division	Dr Myint Zaw	5	5
The Bragg Institute	Dr David Cookson	1	4
The Bragg Institute	Dr Margaret Elcombe*	1	3
The Bragg Institute	Dr Garry Foran	1	3, 5, 9
The Bragg Institute	Dr Elliot Gilbert	2	4
The Bragg Institute	Dr Tracey Hanley	1	4
The Bragg Institute	Dr Michael James	5	3, 4
The Bragg Institute	Dr Shane Kennedy	9	2, 3, 6, 12
The Bragg Institute	Dr Oliver Kirstein	7	3
The Bragg Institute	Dr Wim Klooster	1	1, 2
The Bragg Institute	Dr Robert Knott	5	4
The Bragg Institute	Dr Ross Piltz	30	2, 3, 5
The Bragg Institute	Dr Robert Robinson	1	3
The Bragg Institute	Dr Jamie Schulz	2	4
The Bragg Institute	Dr Anton Stampfl	1	6, 7, 9
The Bragg Institute	Dr David Sutton	1	4
The Bragg Institute	Dr Kia Wallwork	1	2, 3
The Bragg Institute	Dr Dehong Yu	1	3
<b>BHP Billiton Technology</b>			
Newcastle Technology Centre	Mr Dean Crawford	175	11
<b>CSIRO</b>			
Energy Technology	Dr David French	2	3, 4, 5, 6, 8, 9, 10, 11
Exploration & Mining	Dr Weihua Liu	1	11
Exploration & Mining	Dr Chris Ryan	4	9
Exploration & Mining	Dr Barbara Etschmann	1	5
Molecular Science	Dr Ron Hill	3	1, 2, 11, 12
Molecular Science	Dr Maxine McCall*	1	
Telecommunications & Industrial Physics	Dr Phil Martin*	1	9
Telecommunications & Industrial Physics	Dr Roger Netterfield*	1	9
<b>Environmental Geochemistry International Pty Ltd</b>	Dr Stuart Miller	1	11

Institution / Department	Name	No. in group	Beamline/s of interest
<b>Macquarie University</b>			
Department of Chemistry	Dr Ian Jamie	1	8
Graduate School of the Environment	Professor Peter Nelson	1	5, 6, 8, 9, 11
Graduate School of the Environment	Dr Vladimir Strezov	2	5
<b>The University of Newcastle</b>			
School of Mathematical & Physical Sciences	Assoc Prof Bruce King	10	6
<b>The University of New England</b>			
Chemistry	Dr Joshua McKinnon	5	2
Physics & Electronics	Dr Sarah Pearson	3	8, 10
School of Biological, Biomedical & Molecular Sciences	Prof Mark Spackman	5	2
<b>The University of New South Wales</b>			
Centre for Membrane Science & Technology	Prof Hans Coster	5	4
Centre for Photovoltaic Engineering	Dr Richard Corkish	50	6
School of Chemical Engineering & Industrial Chemistry	Prof Robert Burford	1	4
School of Chemistry	Prof Alan Buckley	2	6
School of Chemistry	Dr Bin (Bill) Gong	1	6
School of Chemistry	Prof Robert Lamb	7	4, 5, 6
School of Chemistry	Dr Jennifer Russell	8	5, 6
School of Chemistry	Dr Nagindar Singh	3	6
School of Chemistry	Dr Nguyen Tran	1	5, 6
School of Chemistry	Dr Hua Zhang	1	4, 5, 6
School of Civil & Environmental Engineering	Prof David Waite	3	9
School of Physics	Dr Paul Curmi	10	1, 2, 12
<b>The University of Newcastle</b>			
Faculty of Engineering & Built Environment	Assoc Prof Erich Kisi	4	3
School of Mathematical & Physical Sciences	Dr Paul Dastoor	10	5, 6, 7
<b>The University of Sydney</b>			
Department of Archaeology	Prof Dan Potts	1	3, 9
Department of Chemical Engineering	Dr Marjorie Valix	1	3, 5
Electron Microscope Unit	Dr Carolyn Dillon	6	9
Faculty of Agriculture, Food & Natural Resources	Dr Balwant Singh	5	3, 5
School of Chemistry	Dr Sarah Antill	1	9
School of Chemistry	Assoc Prof James Beattie	1	4, 5
School of Chemistry	Dr Elizabeth Carter	3	8
School of Chemistry	Dr Ming-Chu Cheng	4	6
School of Chemistry	Prof Trevor Hambley	10	2, 5, 9
School of Chemistry	Dr Hugh Harris	10	5, 6
School of Chemistry	Dr David Hibbs	5	2
School of Chemistry	Assoc Prof Scott Kable	6	8
School of Chemistry	Assoc Prof Brendan Kennedy	7	3, 5, 6, 9
School of Chemistry	Dr Cameron Kepert	13	2, 3, 5
School of Chemistry	Prof Peter Lay	15	2, 5, 6, 8, 9, 12
School of Chemistry	Assoc Prof Anthony Masters	7	5
School of Chemistry	Dr Jacob Overgaard	2	2
School of Chemistry	Dr Siegbert Schmid	2	2, 3
School of Chemistry	Dr Peter Southon	1	2, 5

Institution / Department	Name	No. in group	Beamline/s of interest
School of Chemistry	Dr Peter Turner	1	2, 3
School of Chemistry	Prof Greg Warr	1	4
School of Chemistry	Dr Colin Weeks	14	2, 3, 5
School of Chemistry	Prof Hans Freeman	1	1, 2
School of Molecular & Microbial Biosciences	Dr Charles Collyer	1	1, 2
School of Molecular & Microbial Biosciences	Dr Mitchell Guss	9	1, 2, 12
School of Molecular & Microbial Biosciences	Dr Adrienne Adams	2	1, 2
School of Molecular & Microbial Biosciences	Dr Joel Mackay	15	12
School of Molecular & Microbial Biosciences	Dr Megan Maher	2	1
School of Molecular & Microbial Biosciences	Dr Jacqueline Matthews	11	12

#### The University of Western Sydney

School of Science, Food & Horticulture	Dr Gary Dennis	4	4
School of Science, Food & Horticulture	Prof Peter Leverett	6	1, 2, 3
School of Science, Food & Horticulture	Prof Peter Williams	3	1, 2, 3

#### The University of Wollongong

Centre for Medical Radiation Physics	Dr Michael Lerch	6	9
Centre for Medical Radiation Physics	Prof Anatoly Rozenfeld	6	9, 10
Department of Chemistry	Prof Stephen Pyne	12	2
School of Engineering Physics	Assoc Prof Roger Lewis	6	8

#### University of Technology Sydney

Department of Applied Physics	Mr Geoffrey McCredie	3	6
Department of Applied Physics	Dr Nicholas Armstrong	8	3
Department of Chemistry, Materials & Forensic Science	Dr Anthony Baker	1	5, 11

## QUEENSLAND

#### The University of Queensland

BSAF, Department of Chemistry	Dr Barry Wood	2	6
Centre for Magnetic Resonance	Prof Graeme Hanson	7	5
Department of Biochemistry & Molecular Biology	Dr Luke Guddat	16	1, 2, 12
Division of Chemical Engineering	Dr Peter Halley	3	3, 5, 9
Division of Chemical Engineering	Dr Peter Sopade	1	1, 2, 3, 4
Faculty of Biological & Chemical Sciences	Assoc Prof Ian Gentle	1	4, 5, 6
Institute for Molecular Bioscience	Prof Paul Alewood	1	12
Institute for Molecular Bioscience	Prof David Craik	25	12
Institute for Molecular Bioscience	Assoc Prof Jenny Martin	15	1, 2, 12
School of Molecular & Microbial Sciences	Assoc Prof Lawrence Gahan	4	1, 2, 3, 6, 12
School of Molecular & Microbial Sciences	Assoc Prof Bostjan Kobe	12	1, 2, 12
School of Molecular & Microbial Sciences	Dr Natasha Mitic	1	5
School of Molecular & Microbial Sciences	Dr Mark Riley	6	5
School of Molecular & Microbial Sciences	Dr Gary Schenk	2	5

#### Queensland University of Technology

Faculty of Science	Assoc Prof Peter Fredericks	4	8
School of Physical & Chemical Sciences	Dr Edeline Wentrup-Byrne	6	8

#### James Cook University

Biochemistry & Molecular Biology	Dr Yibin Xu	3	1, 2
School of Pharmacy & Molecular Sciences	Prof Richard Keene	5	2

Institution / Department	Name	No. in group	Beamline/s of interest
<b>Griffith University</b>			
Institute for Glycomics	Dr Helen Blanchard	4	1, 2
Natural Product Discovery, The Eskitis Institute	Prof Ron Quinn	52	1, 2
School of Science	Dr Tomasz Blach	5	9
School of Science	Dr Chris Brown	8	2
School of Science	Assoc Prof Evan Gray	3	2, 3, 11
School of Science	Assoc Prof Greg Hope	4	6, 8
School of Science	Prof Birgit Lohmann	4	7

#### CSIRO

Livestock Industries	Dr Gene Wijffels	3	2
Manufacturing & Infrastructure Technology	Dr Cameron Davidson	6	10

#### Central Queensland University

Department of Biology	Assoc Prof Kerry Walsh	1	9
School of Biological & Environmental Sciences	Prof David Midmore	30	9

#### Boeing Company Phantom Works

Advanced Manufacturing Research & Development	Mr Barton Moenster	150	10
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### SOUTH AUSTRALIA

#### CSIRO

Land & Water	Dr Rob Fitzpatrick	6	3, 6, 8, 11
Land & Water	Dr Enzo Lombi	3	5, 6, 9
Land & Water	Mr Mark Raven	3	3
Land & Water	Dr Will Gates	1	4, 5, 6, 8, 11
Minerals	Mr Colin MacRae	4	5, 6, 9, 11
Manufacturing & Infrastructure Technology	Dr Joe Cavallaro	40	11

#### Flinders University

School of Biological Sciences	Dr Ian Menz	3	1, 2
School of Chemistry, Physics & Earth Sciences	Dr Joe Shapter	1	6
School of Chemistry, Physics & Earth Sciences	Prof Warren Lawrance	1	8, 11
School of Chemistry, Physics & Earth Sciences	Dr Jamie Quinton	5	5, 6, 9, 11

#### SOLA International Holdings Ltd

Research & Technology	Mr Simon Edwards	100	11
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#### South Australian Museum

Department of Mineralogy	Prof Allan Pring	7	3, 11
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#### The University of Adelaide

School of Physics	Prof John Carver	5	2, 3, 12
School of Chemistry	Assoc Prof Mark Buntine	6	8
School of Chemistry	Dr Greg Metha	4	8
School of Earth & Environmental Sciences	Dr Joel Brugger	4	2, 3, 5, 9
School of Electrical & Electronic Engineering	Assoc Prof Derek Abbott	5	8
School of Molecular & Biological Science	Prof John Wallace	9	12
Waite Agricultural Research Institute	Prof Geof Fincher	10	1, 2
Waite Agricultural Research Institute	Dr Maria Hrmova	1	1, 2

Institution / Department	Name	No. in group	Beamline/s of interest
<b>The University of South Australia</b>			
Ian Wark Research Institute	Dr Naba Dutta	10	4
Ian Wark Research Institute	Assoc Prof Andrea Gerson	1	3, 5, 6, 9, 11
Ian Wark Research Institute	Prof Hans Griesser	8	4, 12
Ian Wark Research Institute	Mr Ivan Kempson	1	5, 6, 8, 9, 10
Ian Wark Research Institute	Prof John Ralston	1	All
Ian Wark Research Institute	Dr William (Bill) Skinner	2	5, 6, 7, 8, 9, 10
IT, Engineering & the Environment	Prof Grier Lin	1	11

## TASMANIA

<b>The University of Tasmania</b>			
School of Chemistry	Prof Allan Canty	5	2
School of Chemistry	Dr Michael Gardiner	7	2
School of Chemistry	Dr Vicki-Anne Tolhurst	3	2

## VICTORIA

<b>AMIRA International Limited</b>	Dr Paul Greenhill	8	11
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### Applied Sorting Technologies Pty Ltd

Advanced Sensors Research Group	Dr Peter Hawkins*	5	10
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### Austin Health

Centre for Positron Emission Tomography	Dr Graeme O'Keefe	5	10
Department of Radiation Oncology	Ms Min Ku	1	10

### Austin Research Institute

Inflammatory Diseases	Dr Pat Mottram	12	10
Structural Immunology	Dr Paul Ramsland	3	1, 2, 12

### Berthold Australia Pty Ltd

	Mr David Krenus	6	10
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### Ceramic Fuel Cells Limited

Manufacturing	Mr Richard van Beveren	6	10
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### Cetec Pty Ltd

	Dr Vyt Garnys	4	All
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## CSIRO

Forestry & Forest Products	Dr Robert Evans	6	3, 4, 5, 10, 11
Health Sciences & Nutrition	Dr Jenny Carmichael	1	1, 2
Health Sciences & Nutrition	Dr Mike Lawrence	5	1, 2, 4
Health Sciences & Nutrition	Dr Victor Streltsov	2	1, 2, 5
Health Sciences & Nutrition	Dr Jose Varghese	18	1, 2, 4, 5, 9, 12
Manufacturing & Infrastructure Technology	Dr Colleen Bettles	2	3, 9, 10, 11
Manufacturing & Infrastructure Technology	Mr Phil Casey	10	5, 9, 10, 11
Manufacturing & Infrastructure Technology	Dr Tim Davis	3	10, 13
Manufacturing & Infrastructure Technology	Dr John Grandfield	3	10
Manufacturing & Infrastructure Technology	Dr Tim Gureyev	1	3, 4, 9, 10, 11, 13
Manufacturing & Infrastructure Technology	Dr David Hay	12	3
Manufacturing & Infrastructure Technology	Dr Daniel Liang	2	3, 9, 10, 11
Manufacturing & Infrastructure Technology	Dr Peter Miller	1	3, 4, 5, 9, 10, 11, 13
Manufacturing & Infrastructure Technology	Dr Aaron Neufeld	4	3, 4, 5, 8, 9, 11
Manufacturing & Infrastructure Technology	Dr Andrew Pogany	1	10
Manufacturing & Infrastructure Technology	Dr Andrew Stevenson	1	3, 4, 9, 10, 11, 13
Manufacturing & Infrastructure Technology	Dr Russell Taylor	12	4, 5, 6, 8, 9, 11



<b>Institution / Department</b>	<b>Name</b>	<b>No. in group</b>	<b>Beamline/s of interest</b>
Manufacturing & Infrastructure Technology	Dr Steve Wilkins	4	3, 4, 9, 10, 11, 13
Manufacturing & Infrastructure Technology	Dr Sam Yang	2	10
Minerals	Dr Ian Grey	3	3, 5
Minerals	Mr Mike Horne	1	9, 11
Minerals	Dr Ian Madsen	3	3, 4, 5, 9, 11
Minerals	Dr Shouyi Sun	4	4, 5, 10
Molecular Science	Dr John Chiefari	5	4, 8
Molecular Science	Dr Celesta Fong	8	4, 6
Molecular Science	Dr Thomas Gengenbach	1	6, 9
Molecular Science	Dr Thilak Gunatillake	1	6, 8
Molecular Science	Dr Patrick Hartley	3	4, 6
Molecular Science	Dr Ezio Rizzardo	5	4, 6, 8
Petroleum Resources	Dr Lincoln Paterson	3	10
Textile & Fibre Technology	Dr Ian Blanchonette	5	10
Textile & Fibre Technology	Dr Jeff Church	3	5, 8, 9, 12
Energy Technology	Dr Patrick Howlett	20	3, 4, 5, 8
<b>Cyclotek (Aust) Pty Ltd</b>	Dr Labrini Nassis	4	10
<b>Defence Science &amp; Technology Organisation</b>			
Air Vehicles Division	Dr John Thornton	7	3, 10
Maritime Platforms Division	Dr Alan Wilson	8	13
<b>Food Science Australia</b>			
Innovative Foods Centre, Ultrasonics	Dr Raymond Mawson	11	4, 8, 10
<b>General Electric</b>			
Nondestructive Testing Department	Dr Clifford Bueno	25	10
<b>IDIA Limited (Imaging Development Institute of Australia)</b>	Mr Dennis Cheal	5	1, 2, 3, 4, 5, 9, 10
<b>Kemeny Consulting</b>	Dr Peter Kemeny	1	13
<b>La Trobe University</b>			
Centre for Materials & Surface Science, Department of Physics	Dr Narelle Brack	4	6
Centre for Materials & Surface Science, Department of Physics	Dr Penny Hale	1	6
Centre for Materials & Surface Science, Department of Physics	Dr Peter Kappen	4	6
Department of Chemistry	Assoc Prof Graeme Nyberg	2	6, 7
Department of Physics	Prof Robert Leckey	3	6, 7
Department of Physics	Assoc Prof John Liesegang	1	6, 7
Department of Physics	Assoc Prof Paul Pigram	5	6, 7
Department of Physics	Prof John Riley	1	6, 7
<b>Monash University</b>			
Chemical Engineering	Dr Chun-Zhu Li	1	6, 9
Department of Biochemistry & Molecular Biology	Dr Mibel Aguilar	6	12
Department of Biochemistry & Molecular Biology	Dr Stephen Bottomley	12	12
Department of Biochemistry & Molecular Biology	Dr Jamie Rossjohn	22	1, 2, 12
Department of Biochemistry & Molecular Biology	Dr David Small	7	12
Department of Biochemistry & Molecular Biology	Dr James Whisstock	1	1, 2
Department of Medicinal Chemistry, Victorian College of Pharmacy	Dr Ossama El-Kabbani	6	1, 2
Department of Pharmaceutics, Victorian College of Pharmacy	Assoc Prof Sue Charman	1	12
Department of Physiology	Assoc Prof Stuart Hooper	15	10

Institution / Department	Name	No. in group	Beamline/s of interest
Institute of Surgery	Assoc Prof Mark Frydenberg	6	10
Institute of Reproduction & Development	Assoc Prof Paul Hertzog	6	10
Institute of Reproduction & Development	Prof Gail Risbridger	1	10
Mechanical Engineering	Professor John Price	1	3, 4, 6
School of Applied Science	Assoc Prof Tony Patti	1	4, 10
School of Chemistry	Dr Stuart Batten	3	2
School of Chemistry	Dr Alan Chaffee	10	6
School of Chemistry	Prof Glen Deacon	8	9
School of Chemistry	Dr Peter Junk	8	2
School of Chemistry	Dr Lisa Martin	5	12
School of Chemistry	Dr Don McNaughton	10	8
School of Chemistry	Prof Keith Murray	8	2, 3, 5
School of Chemistry	Dr Evan Robertson	4	8
School of Chemistry	Dr Andrea Robinson	10	12
School of Chemistry	Dr Janet Scott	11	2, 3
School of Chemistry	Dr Leone Spiccia	9	2, 3, 5
School of Chemistry	Dr Bayden Wood	1	8
School of Physics & Materials Engineering	Dr Peng-wei Zhu	1	3, 4, 6
School of Physics & Materials Engineering	Dr Antonio (Nino) Benci	1	4, 10
School of Physics & Materials Engineering	Assoc Prof John Cashion	2	3
School of Physics & Materials Engineering	Assoc Prof Wayne Cook	3	4
School of Physics & Materials Engineering	Dr Chris Davies	1	3, 4, 6
School of Physics & Materials Engineering	Assoc Prof Graham Edward	7	4
School of Physics & Materials Engineering	Assoc Prof Trevor Finlayson	4	3, 4, 6
School of Physics & Materials Engineering	Dr John Forsythe	1	4, 10
School of Physics & Materials Engineering	Dr Karlis Gross	5	3, 4, 10
School of Physics & Materials Engineering	Prof Rob Lewis	10	4, 10
School of Physics & Materials Engineering	Assoc Prof Michael Morgan	1	3, 4, 6
School of Physics & Materials Engineering	Dr Philip Nakashima	1	3, 4, 6
School of Physics & Materials Engineering	Dr Andrei Nikulin	5	3, 10
School of Physics & Materials Engineering	Mr David Paganin	8	3, 4, 10
School of Physics & Materials Engineering	Dr Konstantin Pavlov	5	3, 4, 10
School of Physics & Materials Engineering	Dr Jeffrey Sellar	1	7
School of Physics & Materials Engineering	Dr Karen Siu	1	4
School of Physics & Materials Engineering	Dr Varghese Swamy	1	3, 4, 5, 6
Victorian College of Pharmacy	Prof Bill Charman	30	12
<b>Peter MacCallum Cancer Centre</b>			
Centre for Molecular Imaging	Dr Eddie Lau*	1	10
Radiation Oncology	Prof Gillian Duchesne	4	10
Radiation Oncology	Dr Gerald Fogarty	3	10
Radiation Oncology	Dr Gail Ryan	6	10
Radiation Oncology	Dr Keen-Hun Tai	10	10
<b>Radiation Oncology Victoria</b>			
Physics	Ms Jenny Lydon	1	10
<b>Research Laboratories of Australia</b>			
	Dr Owen Crees	30	11
<b>Rio Tinto</b>			
Technology Support	Dr Ray Shaw	50	11

Institution / Department	Name	No. in group	Beamline/s of interest
<b>RMIT</b>			
Faculty of Applied Science	Prof Mike Adams	2	5
Faculty of Applied Science	Dr Deepak Akolekar	2	2, 3, 5
Faculty of Applied Science	Prof Suresh Bhargava	2	5
Faculty of Applied Science	Dr Kay Latham	5	4, 5
Faculty of Applied Science	Prof David Mainwaring	5	4, 9
<b>St Vincent's Institute of Medical Research</b>			
Pharmacogenomics	Dr Mark Waltham	4	10
Medical Engineering & Physics	Assoc Prof John Heggie	2	10
Biota Structural Biology Laboratory	Prof Michael Parker	14	1, 2, 12
Biota Structural Biology Laboratory	Dr Galina Polekhina	1	1, 2
<b>Swinburne University of Technology</b>			
Industrial Research Institute	Dr Jinan Cao	3	4, 6
School of Engineering & Science	Mr Adam Krezel	1	4
School of Engineering & Science	Assoc Prof Kerry McManus	12	4
Industrial Research Institute	Prof Erol Harvey	25	9, 13
<b>The Alfred</b>			
Department of Neurosurgery	Prof Jeffrey Rosenfeld	1	10
Radiation Oncology	Ms Kay Hatherly, OAM	1	10
Radiation Oncology	Ms Jo Smylie	30	10
William Buckland Radiotherapy Centre	Dr Michael Dally	7	10
William Buckland Radiotherapy Centre	Ms Susan Pearce*	1	10
<b>The University of Melbourne</b>			
Biochemistry & Molecular Biology	Dr Samantha Richardson	6	10
Centre for Cultural Materials Conservation	Ms Robyn Sloggett	5	10
Department of Biochemistry & Molecular Biology	Dr Paul Gooley	6	12
Department of Biochemistry & Molecular Biology	Assoc Prof Geoff Howlett	10	12
Department of Biochemistry & Molecular Biology	Dr Terrence Mulhern	8	1, 2, 4, 12
Department of Biochemistry & Molecular Biology	Prof Richard Wettenhall	1	12
Department of Genetics	Assoc Prof Jim Camakaris	4	9
Department of Microbiology & Immunology	Dr Anthony W Purcell	5	12
Department of Otolaryngology	Dr Jin Xu	3	10
Department of Pathology	Prof Colin Masters	3	10
Department of Physiology	Dr Damian Myers	3	10
Howard Florey Institute	Dr Surinda Cheema	4	10
Howard Florey Institute	Assoc Prof John Wade	3	12
School of Chemistry	Dr Brendan Abrahams	1	2
School of Chemistry	Dr Stephen Best	4	5, 6, 8
School of Chemistry	Dr Evan Bieske	5	8
School of Chemistry	Assoc Prof Paul Mulvaney	4	3, 4, 8, 9, 13
School of Chemistry	Prof Richard Robson	6	2
School of Chemistry	Assoc Prof Frances Separovic	5	12
School of Chemistry	Assoc Prof Charles Young	3	5
School of Dental Science	Prof John Clement	4	10
School of Physics	Assoc Prof Chris Chantler	10	3, 5, 9
School of Physics	Assoc Prof David Jamieson	30	9
School of Physics	Prof Keith Nugent	7	4, 9, 10
School of Physics	Dr Andrew Peele	7	10, 13
School of Physics	Dr Chanh Tran	2	3
Department of Radiology	Prof Brian Tress	4	10

Institution / Department	Name	No. in group	Beamline/s of interest
<b>Victorian Department of Primary Industries</b>			
Marsupial Genomics	Dr Jane Whitley	8	10
Primary Industries Research Victoria	Dr Peter Fisher	3	10
<b>Walter &amp; Eliza Hall Institute</b>			
Structural Biology Division	Dr Peter Colman	5	1, 2, 12
Structural Biology Division	Dr Tom Garrett	7	1, 2, 12
Structural Biology Division	Dr M. Gorman	4	1, 2
Structural Biology Division	Dr Jacqui Gulbis	4	1, 2
Structural Biology Division	Prof Ray Norton	12	12
<b>WMC Resources</b>			
Technology	Dr Robert La Nauze	1	11
<b>X-Ray Technologies Ltd</b>			
	Mr Grant Dow	3	10
<b>WESTERN AUSTRALIA</b>			
<b>Alcoa World Alumina</b>			
Technology Delivery Group	Dr Gerald Roach	30	4, 5
<b>CSIRO</b>			
Exploration & Mining	Dr Robert Hough	5	3, 5, 9
Exploration & Mining	Dr Erick Ramanaidou	1	5
Minerals	Dr Craig Klauber	2	6
<b>Curtin University of Technology</b>			
Department of Applied Chemistry	Dr Stuart Bailey	4	3, 5, 6
Department of Applied Chemistry	Assoc Prof Roland De Marco	7	2, 3, 4, 6
Department of Applied Chemistry	Dr Alasdair Lee	1	8
Department of Applied Chemistry	Prof Gordon Parkinson	9	2, 5
Department of Applied Chemistry	Dr Gerard Eddy Poinern	1	6
Department of Applied Chemistry	Assoc Prof Andrew Rohl	3	2, 5
Department of Applied Chemistry	Assoc Prof Wilhelm van Bronswijk	3	8
Department of Applied Physics	Dr Craig Buckley	10	4
Department of Applied Physics	Dr Joan Connolly	1	4
Department of Applied Physics	Dr Robert Hart	1	1, 3, 5
Department of Applied Physics	Assoc Prof It-Meng (Jim) Low	9	3
Department of Applied Physics	Prof Brian O'Connor	7	3, 5, 9, 11
Department of Applied Physics & Materials Research Group	Dr Nigel Kirby	1	3
Department of Chemical Engineering	Dr John Bromly	1	3, 5, 6, 8
Department of Chemical Engineering	Dr Hongwei Wu	1	3, 5, 6, 8
Department of Chemical Engineering	Prof Dong-ke Zhang	6	3, 5, 6, 8
Department of Chemical Engineering	Dr Jianning Zhu	1	3, 5, 6, 8
Department of Mechanical Engineering	Dr Ian Davies	2	3
Department of Medical Imaging Science	Dr Robin Hart	1	10
Division of Engineering, Science & Computing	Prof Arie van Riessen	4	3
<b>Edith Cowan University</b>			
School of Engineering & Mathematics	Dr Steven Hinckley	7	9
<b>Magotteaux Australia Pty. Ltd.</b>			
Downstream Processing Project	Dr Chris Greet	5	11

Institution / Department	Name	No. in group	Beamline/s of interest
<b>Murdoch University</b>			
Science & Engineering	Prof Stephen Thurgate	6	6, 7
<b>Sir Charles Gairdner Hospital</b>			
Department of Medical Technology & Physics	Dr Roger Price	3	4, 10
<b>The University of Western Australia</b>			
School of Biomedical & Chemical Sciences	Dr George Koutsantonis	5	2
School of Biomedical & Chemical Sciences	Dr Frank J. Lincoln	4	2
School of Biomedical & Chemical Sciences	Prof Colin Raston	6	2
School of Biomedical & Chemical Sciences	Dr Brian Skelton	3	2
School of Biomedical & Chemical Sciences	Prof Allan White	3	3
School of Biomedical & Chemical Sciences	Assoc Prof Matthew Wilce	16	1, 2, 12
School of Biomedical & Chemical Sciences	Dr Jackie Wilce	5	12
School of Physics	Dr Peter Hammond	12	7
School of Physics	Assoc Prof Tim St Pierre	13	4
School of Physics	Prof Jim Williams	12	6, 7
<b>NEW ZEALAND</b>			
<b>Canesis Network Ltd</b>			
Platform Sciences Division	Dr John McKinnon	1	4
<b>Industrial Research Limited</b>			
Material Technologies Group	Dr Graeme Gainsford	1	2
Materials Performance Technologies	Dr David Knowles	22	4, 5, 9, 11
Materials Performance Technologies	Dr Nick Laycock	10	5
Materials Technologies Group	Dr Nick Strickland	1	8
Materials Technologies Group	Prof Jeff Tallon	6	5
Materials Technologies Group	Dr Grant Williams	1	5
Measurements Standards Laboratory	Dr Antoine Bittar	6	5, 8
<b>Institute of Geological &amp; Nuclear Sciences</b>			
National Isotope Centre	Dr Des Darby	3	2, 5, 8
<b>Massey University</b>			
Centre for Structural Biology	Prof Geoffrey Jameson	5	1, 2
Institute of Molecular BioSciences	Dr Bryan Anderson	1	1, 2
Institute of Molecular BioSciences	Dr Gillian Norris	10	1, 2
Institute of Molecular BioSciences	Prof David Penny	4	1, 2
Institute of Molecular BioSciences	Dr Andrew Sutherland-Smith	1	1, 2
Institute of Natural Resources	Dr Chris Anderson	4	8
Institute of Technology & Engineering	Assoc Prof Richard Haverkamp	8	5
<b>New Zealand Institute for Crop &amp; Food Research Ltd</b>			
Food & Biomaterials Innovation	Dr Nigel Larsen*	1	2
<b>Pacific Lithium NZ Limited</b>			
ILiON Technology Corporation	Dr Brett Amundsen	1	5
<b>The University of Auckland</b>			
Department of Chemical & Materials Engineering	Dr Margaret Hyland	8	5
Department of Chemistry	Prof Graham Bowmaker	6	6, 8
Department of Chemistry	Assoc Prof Penny Brothers	5	2

Institution / Department	Name	No. in group	Beamline/s of interest
Department of Chemistry	Prof George Clark	2	1, 2
Department of Chemistry	Assoc Prof Hicham Idriss	5	6
Department of Chemistry	Assoc Prof James Metson	2	5, 6
Department of Chemistry	Prof Douglas Russell	4	8
School of Biological Sciences	Dr Vickery Arcus	6	1, 2
School of Biological Sciences	Prof Edward Baker	17	1, 2
School of Biological Sciences	Dr Shaun Lott	6	1, 2
School of Biological Sciences	Assoc Prof Peter Metcalf	6	1, 2
<b>The University of Canterbury</b>			
Department of Chemistry	Prof Ward Robinson	4	2
Department of Chemistry	Prof John Blunt	12	2
Department of Chemistry	Prof Peter Steel	8	2
<b>The University of Waikato</b>			
School of Chemistry	Prof Brian Nicholson	3	2
<b>University of Canterbury</b>			
Department of Physics & Astronomy	Dr Michael Reid	1	8
Electrical & Computer Engineering	Dr Steven Durbin	5	5
<b>University of Otago</b>			
Department of Biochemistry	Dr Tom Caradoc-Davies	1	1, 2
Department of Biochemistry	Assoc Prof John Cutfield	4	1, 2
Department of Biochemistry	Dr Sue Cutfield*	1	1, 2
Department of Biochemistry	Dr Catherine Day*	2	1, 2
Department of Biochemistry	Dr Sigurd Wilbanks	3	1, 2, 4
Department of Chemistry	Dr Allan Blackman	3	2
Department of Chemistry	Assoc Prof Sally Brooker	8	2
Department of Chemistry	Assoc Prof James McQuillan	7	8
Department of Chemistry	Prof Jim Simpson	4	2
<b>University of Waikato</b>			
Department of Materials & Process Engineering	Assoc Prof Deliang Zhang	8	5
<b>Victoria University of Wellington</b>			
Department of Chemistry	Dr Kathryn McGrath	4	2
School of Chemical & Physical Sciences	Dr Pablo Etchegoin	4	8
School of Chemical & Physical Sciences	Dr Ben Ruck	5	5, 6
School of Chemical & Physical Sciences	Dr Joe Trodahl	5	5, 7, 8
School of Chemical & Physical Sciences/ MacDiarmid Institute of Advanced Materials and Nanotechnology	Dr James Downes	1	5, 6, 7, 9
<b>SOUTH AFRICA</b>			
<b>University of Cape Town</b>			
Department of Chemical Engineering	Prof Cyril O'Connor	28	11

# Appendix 1

## Australian Synchrotron: Initial Suite of Beamlines

BL	Name	Energy range	Source	Techniques
<b>CRYSTALLOGRAPHY AND DIFFRACTION</b>				
1	High-throughput protein crystallography	2–23 keV	Bending magnet	Medium energy, multiple wavelength anomalous dispersion XRD
2	Protein microcrystal and small molecule x-ray diffraction	5.5–20 keV	In-vacuum undulator (22 mm period)	Medium energy, multiple wavelength anomalous dispersion XRD
3	Powder diffraction	4–60 keV	Bending magnet	Medium to high energy powder XRD
4	Small and wide angle scattering	5.5–20 keV	In-vacuum undulator (22 mm period)	Medium energy SAXS/WAXS
<b>SPECTROSCOPY</b>				
5	X-ray absorption spectroscopy	4–65 keV	Wiggler (2T)	Medium and high energy XAS, XANES, XAFS and XES
6	Soft x-ray spectroscopy	0.1–2.5 keV	Undulator (75 mm period)	Low energy XAS, XES, XPS and AES
7	Vacuum ultraviolet spectroscopy	10–350 eV	Undulator (185 mm period)	ARUPS, MXCD
8	Infrared spectroscopy	0.001–1 eV	Bending magnet	FTIR spectroscopy and IR microspectroscopy
9	Microspectroscopy	5–20 keV	In-vacuum undulator (22 mm period)	XAS, XANES, XAFS and XES at a submicron scale
<b>IMAGING</b>				
10	Imaging and medical therapy	10–120 keV	Wiggler (4T)	Phase contrast enhanced high energy x-ray imaging
11	Microdiffraction and fluorescence probe	4–37 keV	Bending magnet	Simultaneous medium energy micro-XRD and fluorescence
<b>POLARIMETRY</b>				
12	Circular dichroism	2–10 eV	Bending magnet	VUV CD
<b>ADVANCED MANUFACTURING</b>				
13	Lithography	2–8 keV (DXRL); 5–40 keV (UXRL)	Bending magnet	LIGA

Capabilities	Energy Resolution ( $\Delta E/E$ )	beam size at sample (horizontal x vertical)	Features
Dedicated facility for crystallography of large protein crystals, set up with robotic loading and centring, and for remote operation	$<10^{-4}$	300 x 200 microns	Robotic loading, MAD capability
Facility with finely focussed x-ray beam for determining the crystal structure and electron density maps of weakly diffracting, hard-to-crystallise proteins, nucleic acids, and for small molecules	$<10^{-4}$	80 x 30 microns	Robotic loading, MAD capability, 2 end stations
Versatile high resolution powder diffraction facility equipped with sample chambers for a wide range of in-situ experiments	$<10^{-4}$	2 x 5 mm	
Measurement of long range order in complex molecules and materials	$<10^{-4}$	200 x 100 microns (or smaller)	Q Range: 0.001–12.0 $\text{\AA}^{-1}$ (SAXS); 5 $\text{\AA}^{-1}$ (WAXS)
Measurement of short and medium range order, bond lengths, coordination numbers and local coordination geometry, and the oxidation state of atoms from atomic number $Z=20$ upwards	$<10^{-4}$	$\sim 0.2 \times 1$ mm	Photon Flux: $>10^{12}$ photons/sec at sample
As above, for the light elements, $Z < 20$ . Also for the analysis of surfaces and thin films	$10^{-5}$		Ultra-high vacuum
Determination of the electronic structure and surface characteristics of solid, soft matter and gas phase substances	$10^{-4}$	220 x 10 microns	Ultra-high vacuum (pressure $<10^{-10}$ torr)
Analysis of bond structures in complex molecules, biological materials, minerals and band structures in certain semiconductors		down to 5 x 5 microns	
For producing high resolution maps of elemental distribution in a sample. Also for determination of the oxidation state and coordination geometry of atoms in particles down to sub-micron size	$<10^{-4}$	0.1 x 0.1 micron	Brightness $10^{18}$ photons/s/mrad <sup>2</sup> /mm <sup>2</sup> /0.1% bandwidth
Very flexible beamline for research into high contrast imaging of objects from small animals through to engineering components. For research into the physics and biophysics of cancer therapy techniques	$\sim 10^{-3}$	50 x 3 mm <sup>2</sup> (Station 1); 250 x 15 mm <sup>2</sup> (Station 2)	
Fast mapping of micro-XRD and fluorescence information. Especially intended for the minerals industry, environmental sciences, and manufacturing investigations	$10^{-4}$	2 x 2 microns	
Determination of the 'secondary' structure of biological molecules, e.g. protein folding	$10^{-4}$ – $10^{-3}$	3.5 mm x 0.2 mm	Polarisation 70-90% linear, controllable by vertical aperture  Acceptance angle (horizontal x vertical) 35 x 7 mrad
Production of micro-components with very high depth to width ratio and excellent surface finish	$10^{-4}$	200 x 200 microns	Resist thickness 500 microns (DXRL); 2,000 microns (UXRL)



## Appendix 2

### Summary of users by State and Country

State	Users #	Supporters #	Total Principal Investigators	Total including groups**
ACT	32	1	33	166
NSW	100	4	104	735
QLD	30	-	30	384
SA	27	-	27	242
TAS	3	-	3	15
VIC	161	3	164	971
WA	38	-	38	211
AUSTRALIA	391	8	399	2,724
NZ	47	3	50	246
SOUTH AFRICA	1	-	1	28
<b>TOTAL</b>	<b>439</b>	<b>11</b>	<b>450</b>	<b>2,998</b>

**Notes:**

#Potential users at Principal Investigator level

\*Supporters are interested in and supportive of beamline development but are unable to identify as a potential user at this stage.

\*\*Principal investigators, members of their research teams and supporters.







Australian Synchrotron

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the Initial Suite of Beamlines**

**Volume 2**

Potential Beamline Users of the  
Australian Synchrotron