

DAVID L VAUX BMedSci MBBS PhD FAA

Current Position Assistant Director, The Walter and Eliza Hall Institute
Head, Cell Signalling and Cell Death Division
NHMRC Senior Principal Research Fellow

Major Research Interest
apoptosis (cell death)

Short Biography

David Vaux graduated in medicine from the University of Melbourne in 1984, and after spending an intern year at the Royal Melbourne Hospital, commenced a PhD at The Walter and Eliza Hall Institute. His main project was to investigate the function of the putative oncogene product Bcl-2. After obtaining his PhD in 1989, he was a post-doctoral fellow in Irv Weissman's lab at Stanford, where together with Stuart Kim he made transgenic *C. elegans* worms that expressed human *bcl-2*. He returned to Australia in 1993, and has mainly focused on the IAP family of proteins, and their antagonists, such as Smac/Diablo and HtrA2/Omi. When he is not studying molecular mechanisms of cell death, he wastes far too much time on issues of research integrity.

TERTIARY QUALIFICATIONS

1981 BMedSci, University of Melbourne, supervised by GJV Nossal
1984 MBBS, University of Melbourne
1989 PhD, WEHI, supervised by JM Adams

CURRENT APPOINTMENTS

Assistant Director, The Walter and Eliza Hall Institute
Head, Cell Signalling and Cell Death Division
NHMRC Senior Principal Research Fellow
Honorary Professor, Faculty Medicine, Nursing and Health Sciences, Monash University
Honorary Professor, School of Molecular Sciences, La Trobe University
Honorary Professor, Department of Medical Biology, University of Melbourne

POSITIONS HELD

1985 Intern, Royal Melbourne Hospital
1989-92 Fellow in Pathology, Stanford School of Medicine, USA
1992-4 Senior Research Officer, Cellular Immunology Unit, WEHI
1994 Research Fellow, Cellular Immunology Unit, WEHI
1994-6 Senior Research Fellow, Cellular Immunology Unit, WEHI
1997-8 Special Fellow, Molecular Genetics of Cancer Division, WEHI
1999-03 Principal Research Fellow, Molecular Genetics of Cancer Division, WEHI
2003-6 Senior Principal Research Fellow, Molecular Genetics of Cancer Division, WEHI
2003-6 Academic Associate, Queen's College, University of Melbourne
2006-7 ARC Federation Fellow, Department of Biochemistry, La Trobe University
2007-10 NHMRC Australia Fellow, Department of Biochemistry, La Trobe University
2008- Honorary Professor, Faculty Medicine, Nursing and Health Sciences, Monash University
2009-10 Director, La Trobe Institute of Molecular Science
2010- Assistant Director, The Walter and Eliza Hall Institute

HONOURS AND AWARDS

1977 Senior Government Scholarship
1978 Residential Scholarship, Queen's College
1979 Residential Scholarship, Queen's College

- 1981 NHMRC Undergraduate Scholarship
 1986 NHMRC Post-graduate Scholarship
 1989 Lucille P. Markey Visiting Fellowship
 1992 Cheryl Whitlock Prize (USA)
 1993 Investigator Award, Cancer Research Institute (USA)
 1993 AMRAD Post-doctoral Award
 1993 Queen Elizabeth II Fellowship
 1994 Sir Edward Dunlop Fellowship (Anti-Cancer Council of Victoria)
 1995 Burnet Prize (WEHI)
 1999 Scholar, Leukemia and Lymphoma Society
 2000 Gottschalk Medal (Australian Academy of Science)
 2000 Glaxo-Wellcome (Australia) Prize
 2000 Roche Medal (ASBMB)
 2001 Chairman, Gordon Conference on Cell Death
 2001 Deichmann Award Lecture (International Union of Toxicologists)
 2001 Invited speaker, 37th Nobel Conference (on Apoptosis)
 2003 Fellow of the Australian Academy of Science
 2003 Victoria Prize
 2003 NHMRC Senior Principal Research Fellow
 2004 Edwards Oration (ASMR)
 2005 ARC Federation Fellow
 2006 ANZSCDB President's Medal
 2007 NHMRC Australia Fellow
 2008 Lemberg Medal (ASBMB)
 2010 Burnet Medal (Australian Academy of Science)
 2010 Fellow, Queen's College, University of Melbourne
 2012 Associate Member, European Molecular Biology Organization

PROFESSIONAL ACTIVITIES

Editorial Boards

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|---------|-----------------|-------------------------------------------|
| 1994- | Editorial Board | Apoptosis |
| 1996- | Editorial Board | Cell Death and Differentiation |
| 1997-99 | Editorial Board | Biochimica et Biophysica Acta |
| 1997-98 | Editorial Board | Receptors and Signal Transduction |
| 1999-02 | Editorial Board | Current Opinion in Immunology |
| 1999-08 | Editorial Board | The Journal of Cell Biology |
| 2006-11 | Editorial Board | Encyclopedia of the Life Sciences (Wiley) |
| 2007- | Editorial Board | Disease Models and Mechanisms |
| 2010-12 | Editorial Board | EMBO Reports |
| 2014- | Editorial Board | ScienceOpen |

Organizational Memberships

- Australian Society for Biochemistry and Molecular Biology (ASBMB)
 Australian Skeptics
 Australian Science Communicators
 Section head, Faculty of 1000
 National Association of Research Fellows (Secretary 2001-2005)
 Fellow, Australian Academy of Science
 ANZAAS (Victoria Division Chairman 2006-07, Federal Council 2007-)
 Committee on Publication Ethics (COPE, Associate Member)
 Medico-Legal Society of Victoria

Medical History Society of Victoria

Board Member, Center for Scientific Integrity (the parent organization of Retraction Watch)

Consulting and Board Memberships (2009-)

2005- Scientific Advisory Board, TetraLogic Inc. Pennsylvania USA

2008-11 Scientific Advisory Board, Mochtar Riady Institute of Nanotechnology, Indonesia

International and National Committees (2009-)

2004-10 Member, National Committee for Medicine, Australian Academy of Science

2006-12 Member, Committee on Freedom and Responsibility in the conduct of Science (CFRS)
of the International Council for Science (ICSU)

2007-09 Victorian Young Tall Poppies selection panel

2008 Program Committee, OzBio 2010

2008-09 Enablers Action Group, Victorian Cancer Agency

2010- Selection Panel, Premier's Science Prize (Vic Govt)

2015- Board Member, The Center for Scientific Integrity (USA)

2015- Co-convener, Lorne Cancer Conferences

