

Dr Geoff Crawford

OBJECTIVE

To utilise my experience in research, teaching, administration and quality management to be the best.

Summary of Qualifications

1988 Doctor of Philosophy - Monash University

"Studies on the synthesis of flavivirus-specified polypeptides."

1983 Bachelor of Science with Honours Monash University

"Changes in the synthesis and processing of flavivirus-specified glycoproteins and proteins induced by inhibition of glycosylation and proteolysis."

1999 Certificate IV in Small Business Management

2000 Certificate IV in Assessment and Workplace Training

2004 Advanced Diploma in Business Management

Professional Memberships

Associate Fellow - Australian Institute of Management AFAIM 1998

Member of the Australian Society for Microbiology MASM 1990

Member of the Australian Institute of Biology MAIBiol 1990

Member of the Australian Biotechnology Association

Professional Experience

1999-2008 Managing Owner - Access AcademiX, Templestowe VIC

- Teaching, Training, and Consulting – Tertiary/Education

1998-1999 Laboratory Manager - Analytical Reference Laboratories, North Melb

- Responsible for the day-to-day running of a pathology laboratory
- Quality Manual developed to ISO Guide 25 specification
- Development of training, safety and complaint manuals
- Development and introduction of an Australian Workplace Agreement

1991-1997 Senior Lecturer in Microbiology & Quality Assurance - Charles Sturt University, Wagga Wagga NSW

- Teaching, research & administration
- Publication of 13 major and 19 minor publications
- \$200,000+ in personal research grants
- CSU Excellence in Research Award - 1996



1989 -1991 Senior Research Scientist - Silenus Laboratories,
Hawthorn VIC

- Immunological R & D, cell culture, biosafety
- Development of two immunological buffers (EPA; RFRR)
- Development of a HPV hybridization kit

1987-1989 Senior Veterinary Microbiologist - Australian Poultry Ltd
Newcastle NSW

- R & D – avian viral vaccines and diagnostics
- Development of an ELISA and inactivated vaccine for IBDV
- Development of vaccine strains for AEV

Management Experience

1998-1999 OH & S, HRM, Training

1991-1998 Sub-Dean Research & Higher Degrees
Presiding Officer – Research & Higher Degrees
Course Coordinator – Honours & Postgraduate Studies
Associate Director – Biomedical Research Group
Presiding Officer – Radiation Safety Committee

Quality Management Experience

1998-1999 TQM, ISO Guide 25, NATA, QA/QC

1998-2000 Quality Advisor to DVC – CSU
Teaching TQM at Master's Level

1998-2001 Member of QA Group & Laboratory Management Team

RESEARCH Research Collaborations

Development of EPA II Buffer – launched Feb 1998
AMRAD Biotechnology, Boronia VIC
Development of an ELISA for chicken anaemia virus
CSIRO, Animal Health, Geelong VIC
Swinburne University of Technology, Hawthorn VIC
National Institute of Animal Health, Japan
Veterinary Research Laboratories, Belfast Northern Ireland
Hungarian Academy of Sciences, Budapest
Universiti Pertanian, Malaysia.

Research Grants

External National Competitive

1994-1996 RIRDC, DIST Bilateral \$127,505

Internal National Competitive

1993-1997 ARC Small Grants \$ 40,625

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|---------------------------|------------------|-------------------------------|------------------|
| University-Sourced Grants | 1992-1997 | BRG, Staff Support | \$ 23,092 |
| Industry Funds | 1995-1997 | AMRAD, PanBio | \$ 25,175 |
| | | Total, Research Grants | \$216,397 |

PUBLICATIONS

In Detail
(Reverse
Chronological
Order)

Chapter in Monograph

- Crawford, G.R.** (2000). Chicken Anaemia Virus. **In** Animal Health and Production Compendium. CAB International: Wallingford.
- Crawford, G.R.** (1995). Applying Quality Assurance to Regional Medical Science in Medical Scientists **In** Regional Australia - an issues paper, edited by Burton, M. & Dunn, P. Australian Rural Health Research Institute: Wagga Wagga.

Major Journal Articles

- Coombes, A.L. & **Crawford, G.R.** (1998). Recommended storage and resuscitation conditions for the MDCC-MSB1 cell line. *Avian Diseases* **42**, 168-172.
- Ruehlemann, S. & **Crawford, G.R.** (1996). Panic in the Potting Shed - The association between *Legionella longbeachae* Serogroup 1 and potting soils in Australia. *The Medical Journal of Australia* **164(1)**, 36-38.
- Crawford, G.R.** (1996). The ecology of *Legionella longbeachae* in Australia. *The Medical Journal of Australia* **164(11)**, 704.
- Coombes, A.L. & **Crawford, G.R.** (1996). Chickens don't weigh up. *Microbiology Australia* **17(3)**, 11-12.
- Coombes, A.L. & **Crawford, G.R.** (1996). CAV: A review. *World's Poultry Science Digest* **52(2)**, 1-11.
- Crawford, G.R.** (1995). *Legionella* sp. bacteria and potting mixes in Australia. *New Zealand Microbiological Society* **August**, 14-18.
- Crawford, G.R.** (1994). *Circoviridae*: new viruses of pigs, parrots and chickens. *Australian Veterinary Journal* **71(10)**, 351.
- Crawford, G.R.** & Grant, Y. (1994). *Legionella* sp. bacteria in the environment with special reference to potting mixes. *Australian Biologist* **7(4)**, 153-159.
- Crawford, G.R.** & Grant, Y. (1994). Legionella and potting mixes. *British Journal of Biomedical Science* **51**, 375-376.
- Crawford, G.R.** & Urban, J. (1992). Stability of highly diluted horseradish peroxidase conjugated antibodies. *Proceedings of the 10th. Australian Biotechnology Conference*, 94-97.
- Crawford, G.R.**, & Wright, P.J. (1987). Characterization of novel viral polyproteins detected in cells infected by the flavivirus Kunjin and radiolabelled in the presence of the leucine analogue hydroxyleucine. *Journal of General Virology* (UK) **68**, 365-376.

Spoken papers, poster papers and reports

- Crawford, G.R.** (2007). Biology and the enquiry process – a guide for

- gifted students, *Australian Institute of Biology Newsletter*, **7(1)**, 15-17.
- Crawford, G.R. (2006)**. Crime and the enquiry process – a guide for gifted students. Article, *Classroom (Scholastic)*.
- Crawford, G.R. (2005)**. Gifted children – bringing out the best in them. Article. *Classroom (Scholastic)* **4**, 18-19.
- Crawford, G.R. (2004)**. Gifted child or just plain smart? *MGPR* **7(3)**, 6.
- Crawford, G.R. (1997)**. Arbovirus serology in the Wagga Wagga Region. Abstract, *Australian Society for Microbiology Annual Scientific Meeting*, Adelaide, September.
- Crawford, G.R. (1996)**. Horseradish peroxidase conjugated antibodies: Use of accelerated stability trials. Abstract, *10th International Biotechnology Symposium*, Sydney, August 1996.
- Wakeham, J. & **Crawford, G.R. (1996)**. Arbovirus serology in Wagga Wagga. Abstract, *International Meeting and Exhibition of the Australian and New Zealand Societies for Microbiology*, Christchurch, September.
- Crawford, G.R. (1996)**. Development of an Australian ELISA for chicken anaemia virus. *Australian Veterinary Poultry Association (AVPA) Scientific Meeting*, Gold Coast, April 1996.
- Crawford, G.R. (1995)**. Quality initiatives in the School of Science and Technology. *A report to the Dean, Faculty of Science and Agriculture, Charles Sturt University*.
- Crawford, G.R. (1995)**. Difficulties of the long distance educator - The CSU Experience. *Australian Society for Microbiology (ASM) Annual Scientific Meeting*, Canberra, September 1995.
- Morgan A. & **Crawford, G.R. (1995)**. Quality Assurance in Education. *ASM Annual Scientific Meeting*, Canberra, September 1995
- Power, C.J. & **Crawford, G.R. (1995)**. Selecting, supporting and supervising demonstrators. *ASM Annual Scientific Meeting*, Canberra, September 1995
- Coombes, A.L. & **Crawford, G.R. (1995)**. Multiple forms of VP3 in CAV infected cells. Abstract, *AVPA Scientific Meeting*, Melbourne, October 1995.
- Coombes, A.L. & **Crawford, G.R. (1994)**. Storage and resuscitation of MSB1 cells for CAV research. Abstract, *AVPA Scientific Meeting*, Melbourne, October 1994.
- Coombes, A.L. & **Crawford, G.R. (1994)**. Detection of chicken anaemia virus (CAV)-specified proteins using Western blotting. Abstract, *ASM Annual Scientific Meeting*, Melbourne, September.
- Botha, M. & **Crawford, G.R. (1993)**. Why all the fuss about chicken anaemia agent. Abstract, *ASM Annual Scientific Meeting*, Perth, September 1993.
- Botha, M. & **Crawford, G.R. (1993)**. Chicken anaemia agent-specified proteins. Abstract, *Xth. Congress, World Veterinary Poultry Association*, Sydney, August 1993.

Referees

- Crawford, G.R.** (1992). Implementation of an infectious waste policy in a manufacturing environment. Abstract, *ASM Annual Scientific Meeting*, Sydney, July 1992.
- Biedrzycka, A., **Crawford, G.R.**, Cauchi, M.R., Bartholomeusz, A., Gorman, J.J. & Wright, P.J. (1987). Partial nucleotide sequence of the genome of DEN-2 virus, New Guinea C strain. Abstract, *WHO Programme for Vaccine Development Steering Committee on Dengue*, Canada, August.
- Crawford, G.R.**, Smith, G.W. & Wright, P.J. (1987). Novel polyproteins induced in flavivirus and alphavirus-infected cells by hydroxylicucine. Abstract, *VIIth. International Congress of Virology*, Canada.
- Crawford, G.R.** & Wright, P.J. (1986). Detection of precursor polyproteins in flavivirus-infected cells. Abstract, *ASM Annual Scientific Meeting*, Melbourne, May.
- Crawford, G.R.** & Wright, P.J. (1984). Effect of a leucine analogue on Kunjin virus-specified proteins and glycoproteins. Abstract, *ASM Annual Scientific Meeting*, Sydney, May.

A/Prof Peter Wright **Associate Professor in Virology**

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