**Professor Graeme M. Clark AC, FAA, FRS, Hon. FRCS**

**Curriculum Vitae**

**Honours (civil)**

2004 Companion of the Order of Australia (AC)

*(for services to medicine and to science through innovative research to further the development of cochlear implant technology for worldwide benefit-Australia’s highest civil honour)*

1983 Officer of the Order of Australia (AO)

*(for services to medicine)*

**Scientific Prizes or Medals**

2015 **Fritz J. and Dolores H. Russ Prize** awarded biennially by the National Academy of Engineering and Ohio University recognizing a bioengineering achievement in widespread use that improves the human condition.

2013 **Lasker~DeBakey Clinical Medical Research Award** awarded by the Lasker Foundation which honors investigators whose contributions have improved the clinical treatment of patients. (*one of the most prestigious prizes in science in the world)*

2011 CSL-Florey medal, from the Australian Institute of Policy and Science and Commonwealth Serum Laboratories –CSL (*Represents the pinnacle of* *Australia’s biomedical achievements and continues the tradition of Sir Howard Florey who discovered penicillin*)

2011 Zotterman Medal, Nobel Institute for Neurophysiology, Karolinska Institutet, Stockholm (*past winners include Lord Adrian, Nobel Prize in 1932; Bert Sakmann Nobel and Harvey prizes in 1991; Vernon Mountcastle Albert Lasker award for detailing the structure of the cerebral cortex; and in 2003 David Julius awarded the Shaw prize for medical research)*

2010 Lister Medal, Awarded 3-yearly by the Royal College of Surgeons of England and Glasgow, The Royal Society, Edinburgh University (The World’s most prestigious award in the surgical sciences)

2009 Otto Schmitt Award, The International Federation of Medical and Biological Engineering

*(for exceptional contributions to the advancement of the field of medical and biological engineering presented every three years at the World Congress on Medical Physics and Biomedical Engineering)*

2007 Lifetime Achievement Award, the Faculty of Medicine, Nursing and Health Sciences, Monash University

(*the highest award made by the faculty*)

2007 Zülch Prize from the Getrud Reemtsma Foundation administered by Max Planck Society

(*for exceptional achievement in basic neurological research*)

2006 Ian Wark Medal and Lecture, Australian Academy of Science

(*for contributions to Australian science and industry*)

2005 International Speech Communication Association Medal

(*for significant contribution to the progress of speech science and technology)*

2005 Royal College of Surgeons of Edinburgh Medal, awarded at the Quincentenary Celebrations of the College

(*for outstanding contributions to medicine)*

2005 A. Charles Holland Foundation International Prize

*(for fundamental contribution to the progress of knowledge in the audiological/otological field)*

2005 Excellence in Surgery Award, Royal Australasian College of Surgeons

*(recognising the highest level of surgical achievement by world standards, advanced innovation in the field, continued quality and worth of the innovation, and the highest standard of ethics)*

2004 Prime Minister’s Prize for Science

*(in recognition of outstanding achievement by Australians in science and technology which promotes human welfare-Australia’s premier award in science)*

1999 Victoria prize

(*a celebration of outstanding achievements in science, engineering and technology*)

1997 Sir William Upjohn Medal, The University of Melbourne

(*awarded every five years for outstanding contributions to medicine*)

1992 James Cook Medal, The Royal Society of New South Wales

(*awarded for outstanding contributions to science and human welfare in and for the Southern Continent*)

**Fellow or Member of Academic Societies by Election**

2013 Fellow of the National Academy of Inventors (recognizes and encourages inventors who have a patent issued from the United States Patent and Trademark Office)

2009 Honorary Bragg Membership, The Royal Institution of Australia

*(one of the first 17 outstanding Australian scientists and communicators to be elected)*

2007 Fellow of the American Institute of Medical and Biological Engineering

2004 Fellow of the Royal Society

*(for contribution to science, both in fundamental research resulting in greater understanding, and in leading and directing scientific and technological progress in industry and research establishments)*

2004 Honorary Fellow, Royal College of Surgeons, England

*(supreme single award of the College for outstanding achievement in medicine)*

2004 Fellow of the Australian Acoustical Society

*(for notable contribution to the science and practice of acoustics)*

2003 Honorary Fellow, The Royal Society of Medicine, London

*(for exceptional distinction, and recipients drawn from across the world and from a wide range of endeavour, particularly from the medical sciences)*

2002 Honorary Member of the American Otological Society

(*for long standing contributions to otology*)

1998 Fellow of the Australian Academy of Science

(*for outstanding contributions to science)*

1998 Fellow of the Australian Academy of Technological Sciences and Engineering

(*for outstanding contributions to science and technology)*

1993 Honorary Member, Section of Otology, The Royal Society of Medicine, London

*(for outstanding contributions to otology)*

1992 First Honorary Fellow, Audiological Society of Australia

**Honorary Doctorate Degrees**

2013 Honorary Doctor of Health Sciences at the University of Technology Sydney

2010 Doctorate *honoris causa*, The University of Zaragoza, Spain

2004 Doctorate of Laws *honoris causa* (Hon. LLD), Monash University

2003 Doctorate of Engineering (Hon. DEng), Chung Yuan Christian University, Taiwan

2002 Doctorate of Science *honoris causa* (Hon. DSc), University of Wollongong, Australia

1989 Doctorate of Medicine *honoris causa* (Hon. MD), University of Sydney, Australia

1988 Doctorate of Medicine (Hon. MD), Medizinische Hochschule, Hannover, Germany

**Academic Honours**

2014- Hear for Life Award on behalf of the professional and scientific journals “Audio Infos and Otology” (for 35 years service of better hearing and extraordinary scientific, humanitarian as well as entrepreneurial achievements).

2013- The Graeme Clark Chair in Audology and Speech Science, University of Melbourne

2011- The Graeme Clark Research Institute, Tabor College, Adelaide

2010- The Graeme Clark Prize for Innovation in the Sciences, Year 12, Scots College, Sydney

2009-2011 Distinguished Professor, La Trobe University

*(the first Distinguished Professor appointed to La Trobe University)*

2009- The Graeme Clark Centre for Innovation in the Sciences, The Scots College, Sydney

2008- ICT for Life Sciences, Graeme Clark Annual Oration

2008 Australian Research Council’s Graeme Clark Research Outcomes Forum

(*to showcase the outstanding achievements of ARC Centres and Researchers*)

2008- The Graeme Clark Foundation

2005 Laureate Professor Emeritus, The University of Melbourne

2003- The Graeme Clark Cochlear Scholarship Foundation

(*for Cochlear Implant Tertiary Students awarded on the basis of academic achievement and commitment to the Cochlear ideals of leadership and humanity*)

1999-2004 Laureate Professor, The University of Melbourne, Australia

(*for international recognition of scientific achievement*)

**Academic Awards**

2002 The Graeme Clark Room

*(The Ear Foundation, Marjorie Sherman House, Nottingham, UK)*

2002 Aram Glorig Award, International Society of Audiology

(*in recognition of a lifetime’s contribution to audiology*)

2000 Cavalcade of Science Honour Award, Australian Institute of Political Science

*(one of the eleven most outstanding Australian scientists of the 20th Century)*

1999 Rio Tinto Science Heroes Award, Australian Science Festival for Industry

1993 The Inaugural Volta Award, Cochlear Implant Club International

*(for pioneering work in developing multichannel cochlear implants)*

1992 Clunies Ross National Science & Technology Award,

(*for application of science and technology for the benefit of Australia*)

1988 Fletcher Award in Technical Application, New York League for the Hard of Hearing

1986 Elected a Member of Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum

1986 Australian Vice-Chancellors’ nominee to represent medical research in Australia at Houston Festival honouring Australia

1985 Royal Australasian College of Surgeons, John Mitchell Crouch Fellowship Award for Surgical Research

(*for an outstanding contribution to fundamental scientific research in surgery*)

1984 BHP Award for the Pursuit of Excellence (Science and Technology)

1970 Bertha Sudholz Prize, Otolaryngology, Adelaide University, Australia

**Honours (community)**

2014 - The Graeme Clark Centre Activity-Based Learning Science Space

*(The Scots College – official opening by Dr Karl Kruszelnickl, Julius Sumner Miller Fellow at University of Sydney, Author and ABC Science personality)*

2013 Emeritus Patron for Hear and Say

*(provides servies and programs for deaf children, young adults and families)*

2010 – 2011 Honour Board for Distinguished Old Boys of Sydney Boys High School

2010 Patron of The Ear Foundation, Nottingham, UK

2007 The William Wilberforce Award

*(presented at Parliament House, Melbourne, 30 November 2007)*

2007 The Australian Broadcasting Commission’s Boyer Lectures on ‘Restoring the Senses’ *(a series of talks by prominent Australians broadcast on ABC Radio for more than 40 years to present ideas on major social, scientific or cultural issues)*

2007 Deafness Foundation (Victoria) - Peter Howson Medal

*(for outstanding contributions in the field of Deafness) (for an outstanding lifetime contribution to the deaf & hearing impaired)*

2004 Australian Father of the Year Award

*(for his vision, determination and pioneering work in developing the bionic ear)*

2002 Centenary Medal

2002 Australian Entrepreneur of the Year Award (Southern Region)

2001-2002 Senior Australian of the Year

(*for outstanding contribution to the welfare of Australians and international commitment*)

1999 National Australia Day Council, Australian Achiever’s Award

(*for pioneering research to enable the profoundly deaf to hear)*

**Named Lectures**

2013 Lasker Award Address, Lasker Foundation, New York

2011 CSL Florey medal lecture

2011 Zotterman Medal Lecture, Nobel Institute for Neurophysiology, Karolinska Institutet, Stockholm

2010 The Lister Medal Oration, Royal College of Surgeons, London

2009 Otto Schmitt Lecture, The International Federation of Medical and Biological Engineering

2007 Zülch Prize Lecture, Max Planck Society

2006 The Lambie-Dew Oration, as part of the 150th Anniversary Celebrations of the Faculty of Medicine at the University of Sydney

2005 The Gordon Smyth Lecture, The British Association of Otorhinolaryngologists - Head and Neck Surgeons

2004 45th Chapman Oration, Australian Institute of Engineers

2004 Vernon Collins Memorial Oration – Royal Children’s Hospital, Melbourne

2003 Eminent Speaker, Australian Commerce and Industry office, Taipei, Taiwan

2003 Halpern Lecture, Department of Chemistry, University of Wollongong

2001 The Graham Fraser Memorial Lecture, The Royal Society of Medicine, London, February, 2001

1999 The 1999 Toynbee Memorial Lecture, The Royal Society of Medicine/Royal College of Surgeons, London, November, 1999

**Guest of Honour, Plenary & Keynote Addresses**

2013 Opening address, 4th Asia - Pacfic Symposium, Nano Bionics, Melbourne

2013 Joanna Nicholls Cheng Memorial lecture, Brisbane

*(Listening and Spoken Language Conference)*

2010 Plenary address, World Congress in Acoustics, Sydney

2008 Keynote speaker, Sir Mark Oliphant International Frontiers of Science and Technology Conference Series

2008 Plenary address, ACES Asia Pacific Symposium on Nanobionics

2008 Keynote speaker, Inaugural ARC Graeme Clark Research Outcomes Forum

2008 Inaugural oration, ICT for Life Sciences Forum Graeme Clark Oration

2008 Keynote address, 3rd International Electromaterials Science Symposium

2007 Guest of Honour, 6th Asia Pacific Symposium on Cochlear Implant and Related Sciences

2007 Guest of Honour, 67th Annual Scientific Meeting, Australian Orthopaedic Association

2006 Guest of Honour, Bionics and Regeneration of the Ear 2006. The 7th International Academic Conference on Immunobiology in Otorhinolaryngology

2006 Plenary address, XIII World Congress of the International Christian Medical and Dental Association

2006 Opening Plenary Lecture, Bosch Institute Annual Scientific Meeting

2006 Occasional Address to the graduating medical students, University of Sydney

2006 Principal speaker, 37th Mini-Symposium - Frontiers in Medicine, Karolinska Institutet, Stockholm

2005 Plenary address, Interspeech 2005 – Eurospeech conference, Lisbon

2005 Keynote speaker, Symposium on Cochlear Implants in Graeme M Clark’s honour at the XVIII World International Federation of Otolaryngological Societies, Rome

2004 Keynote speaker International Conference on Intelligent Sensors, Sensor Networks and Information Processing, Melbourne

2004 Plenary lecture and Keynote speaker, 7th World Biomaterials Congress, Sydney

2003 Guest of Honour and Keynote speaker 4th Congress of Asia Pacific Symposium on Cochlear Implant and Related Sciences, Taiwan

2002 Guest of Honour, the 7th International Cochlear Implant Conference, Manchester

2002 Guest lecture 8th International Congress of Paediatric Otorhinolaryngology, Oxford

2002 Keynote speaker, International Society of Audiology, Melbourne

2002 Keynote speaker International Workshop on Advanced Materials for Sensors and Actuators, Wollongong University

1999 Keynote speaker of the Federation of Australian Scientific and Technical Societies (FASTS) Lecture at the 19th Annual Meeting of the Australian Neuroscience Society, Hobart, February, 1999

1998 Keynote speaker at the 5th International Conference on Spoken Language Processing, Sydney, November/December, 1998

1998 Guest of honour at the 4th European Symposium of Paediatric Cochlear Implantation’s-Hertogenbosch, The Netherlands, June, 1998

1996 Keynote speaker at the Auditory Basis of Speech Perception Workshop, University of Keele, July 1996

**Major Scientific Conferences Organized**

1997 Director, Cochlear Implant Program for the XVI World Congress in Otorhinolaryngology Head and Neck Surgery, Sydney, March 1-7.

1997 Chairman, World Congress Satellite Symposium on Cochlear Implants for Infants & Children, Melbourne, March 10-12

1994 Chairman, International Cochlear Implant, Speech & Hearing Symposium, Melbourne, October 22-28.

1985 Chairman, International Cochlear Implant Symposium and Workshop, Melbourne, August 27-31.

1984 Chairman, National Cochlear Implant Conference, October 4-6.

**Research & Academic Leadership**

2005- Director Emeritus, The Bionic Ear Institute

2005-2012 Bionics Program Leader, Australian Research Council Centre of Excellence for Electromaterials Science

2004- Laureate Professor Emeritus, The University of Melbourne

1984-2005 Founder and Director, The Bionic Ear Institute, East Melbourne, Australia

1999-2004 Laureate Professor, The University of Melbourne

1970-2004 Foundation Professor of Otolaryngology and Chairman, Department of Otolaryngology, The University of Melbourne, Australia

1970-2004 Head and Founder, Cochlear Implant Program, The University of Melbourne, Australia

1973-1981 Chief Investigator Nerve Deafness and Telethon Appeal Research Program

1977-1995 Chief Investigator, Lions Clubs International “ *Speech Research Grant*.”

1982-1994 Chief Investigator Deafness Foundation of Victoria “*Early Diagnosis and Prelingual Deafness Project*”

1985-2004 Head and Founder of the Cochlear Implant Clinic, Royal Victorian Eye & Ear Hospital, Australia

1971-2003 Chief Investigator on 19 National Health & Medical Research Council of Australia projects

1992-1998 Director, Co-operative Research Centre for Cochlear Implant, Speech and Hearing Research, East Melbourne, Australia

1988-1996 Director, The Australian Research Council’s Special Research Centre the Human Communication Research Centre, East Melbourne, Australia

1984-1994 Chief Investigator of two US National Institutes of Health Grants *(Improved Cochlear Implant: Psychophysics and Engineering” and An Advanced Multi-Channel Cochlear Implant for Deafness”*

1984-1993 Chief Investigator of National Health & Medical Research Council Program Grant: “*Studies to Develop Sensory Prostheses for Deaf Children and Adults*”

1985-1992 Chief Investigator of two US National Institutes of Health Contracts *(Speech processors for auditory prostheses, NIH Contract No1-DC-9-2400 and Pediatric auditory prosthesis implants NIH Contract No1-NS-7-2342)*

1979-1981 Director of two Commonwealth Government Public Interest Grants ( *Industrial research & development of electrical stimulation of the cochlea and central auditory pathways for the relief of deafness and a Tickle Talker)*

**General Contributions to Medicine & Science**

2007- Editorial Board, Cochlear Implants International

2004-2005 Member of the Prime Minister’s Science, Engineering and Innovation Council

1982- Member of the Advisory Council for Children with Impaired Hearing

1973-2004 Assessor, National Health and Medical Research Council of Australia

2001-2002 Member of the Australian Research Council’s Expert Advisory Committee in Biology and Biotechnology

1973-1991 Executive Member, Deafness Foundation of Victoria

1980-1982 Vice-Chairman, Advisory Council for Children with Impaired Hearing

1973-1982 Chairman, Medical Sub-Committee, Deafness Foundation of Victoria

1976-1981 Member of Committee on Care of Hearing Impaired Children, International Federation of Otorhinolaryngological Society

1979-1980 Chairman, Victorian Branch, Otolaryngological Society of Australia

1975-1980 Chairman, Consultative Council on Maternal and Child Health, Minister of Health, Victorian Government

1973-1980 Assistant Editor, Journal of Otolaryngological Society of Australia

1971-1976 Chairman, Victorian Committee, Postgraduate Training in Otolaryngology

1975-1975 Honorary Secretary, Australasian Deafness Council

1971-1973 Chairman, Steering Committee to Establish Deafness Foundation of Victoria

**Clinical Positions**

2005- Emeritus Otolaryngologist, Eye and Ear Hospital

1985-2004 Surgeon-in-Charge, and Founder Cochlear Implant Clinic, The Royal Victorian Eye and Ear Hospital

1966-2004 Senior Honorary ENT Surgeon, The Royal Victorian Eye and Ear Hospital

1971-1975 Consultant Otolaryngologist to Royal Melbourne and Royal Women’s Hospitals, Melbourne

1968-1973 Consultant Otolaryngologist, Commonwealth Acoustic Laboratories of Australia

1966-1971 Senior Visiting ENT Surgeon, Repatriation General Hospital, Melbourne

1967-1968 Lecturer, Department of Physiology, University of Sydney

1964-1966 First Assistant ENT Surgeon, Alfred Hospital, Melbourne

1963-1966 Senior Assistant ENT Surgeon, The Royal Victorian Eye and Ear Hospital, Melbourne

1963 Senior Registrar, Otolaryngology, Bristol General Hospital, Bristol, UK Tutor in Otolaryngology, Bristol University, Bristol, UK

1962 Senior House Surgeon, Royal National Throat, Nose and Ear Hospital, London, UK

1961 Registrar, Neurosurgery and Otolaryngology, Royal Prince Alfred Hospital, Sydney

1960 Part-time Lecturer, Department of Anatomy, University of Sydney

1959 Senior Resident Medical Officer, Royal North Shore Hospital, Sydney

1958 Junior Resident Medical Officer, Royal Prince Alfred Hospital, Sydney

**Qualifications**

1969 Doctor of Philosophy (PhD), University of Sydney, Australia. Thesis: “Middle ear and neural mechanisms in hearing and in the management of deafness”.

1968 Master of Surgery (MS), University of Sydney, Australia. Thesis: “The principals of the structural support of the nose and their application to nasal and septal surgery”

1966 Fellow of the Royal Australasian College of Surgeons (FRACS) in Otolaryngology

1962 Fellow of the Royal College of Surgeons, England (FRCS) in Otolaryngology

1961 Fellow of the Royal College of Surgeons, Edinburgh (FRCS) in General Surgery and Pathology

1957 Bachelor of Medicine (MB) and Bachelor of Surgery (BS), University of Sydney, Australia (Graduated with Honours and First Place in Final Year Examination)

Gr**aeme Clark’s Selected Scientific Publications Relevant to his Cochlear Implant Research**

Books, Monograph, Refereed Invited Reviews, Refereed Scientific Papers,

Relevant Patents, Conference Papers and Abstracts

# BOOKS = 2

**2003**

1. Clark GM. (2003) Cochlear implants: Fundamentals and Applications. New York: Springer Verlag.

**2000**

1. Clark GM. (2000), Sounds from silence: Graeme Clark and the Bionic Ear story. Sydney: Allen & Unwin.

# MONOGRAPHS = 1

**1987**

1. Clark GM, in collaboration with Blamey PJ, Brown AM, Busby PA, Dowell RC, Franz BK-HG, Pyman BC, Shepherd RK, Tong YC, Webb RL, Hirshorn MS, Kuzma JA, Mecklenburg DJ, Money DK, Patrick JF, Seligman PM. (1987), The University of Melbourne - Nucleus multi-electrode cochlear implant. (Advances in Oto-Rhino-Laryngology; Volume 38) Basel: Karger.

# BOOK CHAPTERS = 50

**2003**

1. Clark GM (2003) Cochlear Implants, In: Greenberg S. Springer Hand book of auditory research: Speech Processing in the Auditory System. New York, Springer.

**2002**

1. Clark GM.(2002), Historia del implante coclear Nucleus. In Implantes Cocleares, Eds Rodriguez M.J.M. and Irujo A.H..Masson, S.A. Barcelona, 15-36.
2. Clark GM. (2002), Learning to understand speech with the cochlear implant. In: Fahle M, Poggiio T, Eds Perceptual Learning.Cambridge, Mass.MIT Press: 147-160.
3. Clark GM. (2002), Cochlear implants for adults and children. In: A textbook of audiological medicine: Clinical aspects of hearing and balance. London, Martin Dunitz.

**2001**

1. Bruce IC, White M, Irlicht L, O'Leary SJ, Clark GM. Advances in computational modeling of cochlear implant physiology and perception. In: Greenberg S, Slaney M, eds. Computational models of auditory function. Amsterdam : IOS Press
2. Clark GM. Learning to hear and the cochlear implant. In: Stephens D, ed. Textbook of perceptual learning Cambridge, Mass. : MIT Press
3. Clark GM. Speech processing for cochlear implants. In: Greenberg S, Ainsworth W, eds. Springer handbook of auditory research: Speech processing in the auditory system Springer Verlag

**1998**

1. Clark GM. (1998), Cochlear implants. In: Wright A, Ludman H, ed. Diseases of the ear London : Edward Arnold :149-163.

# 1997

1. Barker EJ, Dettman SJ, Dowell RC. (1997), Habilitation: infants & young children. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :171-190.
2. Clark GM. (1997), Epilogue. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :251-252.
3. Clark GM. (1997), Historical perspectives. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :9-27.
4. Clark GM, Pyman BC. (1997), Preoperative medical evaluation. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :71-82.
5. Clark GM, Shepherd RK. (1997), Biological safety. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :29-46.
6. Clark GM, Cowan RSC, Dowell RC. (1997), Ethical issues. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :241-249.
7. Clark GM, Cowan RSC, Dowell RC. (1997), Introduction. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :1-7.
8. Clark GM, Pyman BC, Webb RL. (1997), Surgery. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :111-124.
9. Cowan RSC. (1997), Socioeconomic and educational management issues. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :223-240.
10. Cowan RSC, Clark GM. (1997), The Melbourne Cochlear Implant Clinic program. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :47-70.
11. Dowell RC. (1997), Preoperative audiological, speech, and language evaluation. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :83-110.
12. Dowell RC, Cowan RSC. (1997), Evaluation of benefit: infants & children. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :205-222.
13. Galvin KL, Sarant JZ, Cowan RSC. (1997), Habilitation: school-age children/adolescents. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :191-204.
14. Patrick JF, Seligman PM, Clark GM. (1997), Engineering. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :125-145.
15. Rance G, Dowell RC. (1997), Speech processor programming. In: Clark GM, Cowan RSC, Dowell RC, eds. Cochlear implantation for infants and children - advances San Diego : Singular Publishing :147-170.

**1996**

1. Dettman SJ, Barker EJ, Rance G, Dowell RC, Galvin KL, Sarant JZ, Cowan RSC, Skok MC, Hollow R, Larratt M, Clark GM. (1996), Components of a rehabilitation programme for young children using the ultichannel cochlear implant. In: Allum DJ, ed. Cochlear implant rehabilitation in children and adults London : Whurr :144-165.

**1995**

1. Clark GM. (1995), Cochlear implants: historical perspectives. In: Plant G, Spens K-E, eds. Profound deafness and speech communiction Whurr : London :165-218.

**1992**

1. Millar JB, Blamey PJ, Clark GM, Dowell RC, Patrick JF, Seligman PM, Tong YC. (1992), Speech processing for cochlear implants. In: Ainsworth WA, ed. Advances in speech, hearing and language processing. Volume 2 London : JAI Press :217-251.

**1991**

1. Clark GM, Franz BK-HG, Pyman BC, Webb RL. (1991), Surgery for multichannel cochlear implantation. In: Cooper H, ed. Cochlear implants: a practical guide London : Whurr :169-200.

**1990**

1. Blamey PJ, Cowan RSC, Alcantara JI, Whitford LA, Clark GM. (1990), Tactile aids. In: Clark GM, Tong YC, Patrick JF, eds. Cochlear prostheses London : Chuchill Livingstone :237-251.
2. Busby PA, Dettman SJ, Altidis PM, Blamey PJ, Roberts SA. (1990), Assessment of communication skills in implanted deaf children. In: Clark GM, Tong YC, Patrick JF, eds. Cochlear prostheses London : Chuchill Livingstone :223-235.
3. Clark GM, Tong YC. (1990), Electrical stimulation, physiological and behavioural stimulation. In: Clark GM,, Tong YC,, Patrick JF, eds. Cochlear prostheses London : Chuchill Livingstone :15-32.
4. Millar JB, Blamey PJ, Tong YC, Patrick JF, Clark GM. (1990), Speech perception. In: Clark GM,, Tong YC,, Patrick JF, eds. Cochlear prostheses London : Chuchill Livingstone :41-68.
5. Pyman BC, Brown AM, Dowell RC, Clark GM. (1990), Preoperative evaluation and selection of adults. In: Clark GM,, Tong YC,, Patrick JF, eds. Cochlear prostheses London : Chuchill Livingstone :125-134.
6. Shepherd RK, Franz BK-HG, Clark GM. (1990), The biocompatibility and safety of cochlear prostheses. In: Clark GM,, Tong YC,, Patrick JF, eds. Cochlear prostheses London : Chuchill Livingstone :69-98.
7. Shepherd RK, Maffi CL, Hatsushika S, Javel E, Tong YC, Clark GM. (1990), Temporal and spatial coding in auditory prostheses. In: Row MJ, Aitkin LM, eds. Information processing in the mammalian auditory and tactile systems New York : AR Liss :281-293.
8. Tong YC, Clark GM. (1990), Psychophysics. In: Clark GM, Tong YC, Patrick JF, eds. Cochlear prostheses London : Churchill Livingstone :33-40.
9. Tong YC, Clark GM, McDermott HJ, Harrison JM, Blamey PJ, Patrick JF. (1990), Future directions. In: Clark GM, Tong YC, Patrick JF, eds. Cochlear prostheses London : Chuchill Livingstone :253-257.
10. Webb RL, Pyman BC, Franz BK-HG, Clark GM. (1990), The surgery of cochlear prostheses. In: Clark GM, Tong YC, Patrick JF, eds. Cochlear prostheses London : Chuchill Livingstone :153-180.

# 1988

1. Brown AM, Clark GM, Dowell RC, Rickards FW. (1988), The Melbourne/Cochlear Multichannel cochlear implant. In: Nolan M, Tucker I, eds. Cochlear Implants: a practical guide London : Croon Helm

# 1987

1. Mecklenburg DJ, Dowell RC, Clark GM. (1987), Speech tracking - verfahrensweise und ergebnisse. In: Lehnhardt E, Hirshorn MS, eds. Cochlear implant Berlin : Springer Verlag :153-159.

# 1985

1. Clark GM, Tong YC. (1985), The engineering of future cochlear implants. In: Gray RF. Cochlear implants London : Croom Helm :211-228.

# 1983

1. Black RC, Clark GM, O'Leary SJ, Walters CW. (1983), The auditory brainstem response in hearing and deaf cats by intra-cochlear electrical stimulation. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :153-157.
2. Blamey PJ, Dowell RC, Tong YC, Clark GM. (1983), Psychophysical matching of sensations produced by acoustical and electrical stimulation of the auditory nerve mechanisms of hearing. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :222.
3. Dowell RC, Brown AM, Seligman PM, Clark GM. (1983), Initial results for six patients with a multiple-channel cochlear prosthesis. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :211-215.
4. Franz BK-HG, Clark GM, Ng J, Bloom D. (1983), The implanted round window membrane in the cat. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :223.
5. Millar JB, Tong YC, Clark GM. (1983), Selection of speech processing for cochlear implant prostheses. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :216-221.
6. O'Leary SJ, Black RC, Clark GM. (1983), Current distributions of intracochlear electrodes in cats. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :225.
7. Shepherd RK, Clark GM, Black RC. (1983), Physiological and histopathological effects of chronic intracochlear electrical stimulation. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :200-205.
8. Tong YC, Clark GM. (1983), A speech processing strategy for multiple-electrode cochlear implant prostheses. In: Webster WR, Aitkin LM, eds. Mechanisms of hearing Clayton : Monash University Press :179-183.

**1981**

1. Tong YC, Clark GM. (1981), Electrical stimulation of the human cochlea - psychophysical and speech studies. In: Syka J, Aitken L. Neuronal mechanisms of hearing New York : Plenum :411-415.

**1980**

1. Clark GM, Black RC, Forster IC, Patrick JF, Tong YC. (1980), Design criteria of a multiple-electrode cochlear implant hearing prosthesis. In: Levitt H, Pickett JM, Houde R. Sensory aids for the hearing impaired IEEE Press :457-459.

# SELECTED REFEREED INVITED REVIEWS = 4

**2013**

1. **2013** Clark G.M. (2013). The multi-channel cochlear implant for severe-to-profound hearing loss. Nature Medicine 19 (10) 1-4.
2. Clark G.M., Clark J.C.M., Furness J.B., (2013). The Evolving Science of Cochlear Implants. JAMA. 2013;310 (12):1225-1226.

**2006**

1. Clark GM (2006),The Multiple-Channel Cochlear Implant: The Interface between Sound and the Central Nervous System for Hearing, Speech, and Language in Deaf People - A Personal Perspective. Philosophical Transactions of the Royal Society B: Biological Sciences, 361(1469): 791 – 810.

**1996**

1. Clark GM. (1996), Electrical stimulation of the auditory nerve: the coding of frequency, the perception of pitch and the development of cochlear implant speech processing strategies for profoundly deaf people. Clinical and Experimental Pharmacology and Physiology 23: 766-776.

# REFEREED SCIENTIFIC PAPERS = 419

**2014**

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**Speech processors for auditory prostheses**

**Principal Investigator GM Clark and Coordinator YC Tong**

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2. Tong, Y.C., Harrison, J.M., Vandali, A., van Hoesel, R., McDermott, H.J., Galvin, K., Cohen, L.T. & Clark, G.M. (1991), Speech processors for auditory prostheses. Ninth Quarterly Progress Report, February 1 - April 30, NIH Contract No1-DC-9-2400.
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**1990**

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2. Tong, Y.C, Lim, H.H., Harrison, J.M, van Hoesel, R., Hollow, R.D., McDermott, H.J. & Clark, G.M. (1989), Speech processors for auditory prostheses. First Quarterly Progress Report, February 1 - April 30, NIH Contract No1-DC-9-2400.
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**1987**

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**1985**

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**Studies on pediatric auditory prosthesis implants**

**Principal Investigator: GM Clark and Coordinator RL Shepherd**

**1992**

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2. Dahm, M.C., Shepherd, R.K. & Clark, G.M. (1992), Studies on paediatric auditory prosthesis implants. Twentieth Quarterly Progress Report, NIH Contract DC-7-2342.
3. Dahm, M.C., Shepherd, R.K., Clark, G.M., Franz, B.K.-H.G., Burton, J.M. & Xu, J. (1992), Studies on pediatric auditory prosthesis implants. Twenty-First Quarterly Progress Report, NIH Contract DC-7-2342.
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1. Shepherd, R.K., Xu, S.A., Franz, B.K.-H.G., Tong, Y.C., Clark, G.M., Hatsushika, S., Millard, R.E., Wills, R.A., Xu, J., Kuzma, J.A., Redhead, T.J. & Patrick, J.F.(1989), Studies on pediatric auditory prosthesis implants. Seventh Quarterly Progress Report, November 1 - January 31, NIH Contract No1-NS-7-2342:1-30.
2. Shepherd, R.K., Xu, S.A., Johnathan, D.A., Matsushima, J., Ni, D., Xu, J., Franz, B.K.-H.G., Clark, G.M., Purser, S., Millard, R.E., Redhead, T.J., Kuzma, J.A & Patrick, J.F. (1989), Studies on pediatric auditory prosthesis implants. Tenth Quarterly Progress Report, August 1 - October 31, NIH Contract No1-NS-7-2342.
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**1988**

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