

MARTIN F. PERA

Curriculum Vitae

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Citizenship: Australian and United States – Dual National

Qualifications

Undergraduate	College of William and Mary, Williamsburg, VA. U.S.A. B.A. , English Language and Literature 1972
PhD	George Washington University, Washington, D.C. U.S.A. Ph.D. , Pharmacology 1979 Thesis title: <i>Interaction of cis-dichlorodiammine platinum (II) with diuretic drugs in rodent model systems</i>
Fellowship	National Institutes of Health (U.S.) Postdoctoral Fellowship National Research Service Award; Institute of Cancer Research, London, United Kingdom 1979-1982
Research Fellowship	Imperial Cancer Research Fund London 1982 -1984
Masters	Oxford University, Oxford, U.K. M.A. 1990

Professional Background:

Academic Appointments

1979 – 1982	National Institutes of Health National Research Service Award Fellow; Institute of Cancer Research, London, United Kingdom
1982 – 1984	Research Fellow, Imperial Cancer Research Fund, London, U.K.
1984 – 1988	Cell Biologist, Institute of Cancer Research, Sutton, Surrey, U.K.
1989 – 1996	Group Leader, Cancer Research Campaign, Department of Zoology, Oxford University, Oxford, U.K.
1996 – 2000	Senior Research Fellow, Monash Institute of Reproduction and Development (MIRD)
1997 – 2001	Deputy Head, Centre for Early Human Development, MIRD
2000 – 2004	Associate Professor, MIRD
2001 – 2002	Co-Director, Centre for Early Human Development
2003 – 2003	Director, Centre for Early Human Development, MIRD
2003 – 2006	Founding Scientist and Member, Scientific Management Advisory Committee, National Stem Cell Centre
2004 – 2006	Research Professor and Deputy Director, Centre for Early Human Development, MIRD
2004 – 2006	Director, Embryonic Stem Cell Research, Australian Stem Cell Centre
2006- 2012	Founding Director, Eli and Edythe Broad Center for Regenerative Medicine and Stem Cell Research, Keck School of Medicine, University of Southern California Professor of Cell and Neurobiology
2011 –2017	Chair, Stem Cell Sciences The University of Melbourne The Florey Institute of Neuroscience and Mental Health Walter and Eliza Hall Institute of Medical Research Program Leader, Stem Cells Australia – ARC/SRI
2017-	Professor, The Jackson Laboratory

Honours and Awards

1979	National Institutes of Health (U.S.) National Research Service Award
1997	Senior Scientist, Monash Institute of Reproduction and Development
2005	Management Board, International Society for the Study of Differentiation
2006	Member, the Hinxton Group
2006	Sir Louis Mathieson Distinguished Visiting Professor, Monash
2007	Distinguished Alumni Award, George Washington University
2009	Honorary Appointment, Conjoint Professor, School of Psychiatry, The University of New South Wales, Sydney, Australia
2010	Honorary Professorship, University of Queensland
2017	Honorary Professorship, University of Melbourne

*Student Supervision and Training***Institute of Cancer Research****Research Students**

Malcolm D. Mason MD (University of London)

Maria Jose Blaso Lafita PhD (University of Madrid)

Supervision of Postdoctoral Fellow

Dr. Susan Cooper

Oxford University**Supervision of Honours Projects**

Ms. Elizabeth Harrington

Ms. Rebecca Lawrence

Supervision of Master of Science

Mr. Carl Watkins (University College London)

Supervision of PhD Students

Ms. Sherry Roach (1994)

Mr. David Banbury (1994)

Monash University**Supervision of Masters of Science projects**

Mr. Tim Xiang January 1998-March 1999

Mr. Gary Peh, 2002 – 2003

Mr. A.L. Von Boxtel, Netherlands

Supervision of Honors projects

Ms. Emma Langton-Bunker, March 1998-November 1998

Mr. Ben Rollo, February 2000-Feb 2001

Mr. Adam Filipczyk, February 2000-Feb 2001

Mr. Hayden Waterham, Feb 2001-Feb 2002

Mr. Lincon Stamp, July 2002 – July 2003

Mr. Raymond Wong, January 2003 - November 2003

Ms. Genevieve Brown, January 2004

Ms. Vinali Dias from January 2004

Mr. Kevin Tvierak, 2004-2005

Supervision of PhD students

Dr. Ben Reubinoff, February 1998-2001

Ms Jessica Andrade, June 1998-June2004

Ms. Carmel Obrien, August 1998-August 2002

Mr. Adam Filipezyk, April 2001-April 2005

Ms. Kathy Davidson, January 2003 – December 2006

Ms. Elizabeth Stadler, from July 2002 – July 2010

Ms Anna Mossman, March 2003 – March 2007

Mr. Raymond Wong, Feb 2004-2007

Mr. Lincon Stamp, Feb 2004-2011

Mr. Gary Peh, Feb 2004-2006

Mr. Tom Chung, 2005-2008

Mr. Nick Hannan , 2005-2008

Ms. Caterina Grandela, 2004-2008

Ms. Adelia Lin, 2005-2008

Supervision of Postdoctoral Fellows

Dr. Souheir Houssami

Dr. Susan Hawes

Dr. Andrew Laslett

Dr. Alice Pebay

Dr. Mirella Dottori

Dr. Ernst Wolvetang

University of Southern California 2006

Supervision of Medical Student projects

Mr. David Braxton, 2006- 2010

Supervision of PhD. Student

Ms. Crystal Sengstaken, 2007- 2010

Mr. Jordan Pomeroy, 2007-

Ms. Juliana Jung, 2008-2011

Supervision of Postdoctoral Fellows

Dr. Victoria Fox, 2007-2008

Dr. Kouichi Hasegawa, 2007- 2009

Dr. Jun Wu, 2008-

PhD Committees (Qualifying) 2007

Eric Schulze

Rashidi Narges

Ankita Das

Eszter Pais

Steven Tsai

Zong Wei

University of Melbourne 2012 - 2016

Supervision of PhD Student

Duncan Crombie completed 2016

Stephanie Bellmaine completed 2016

Elizabeth Mason

Marcelo Leal MD

Terri Ann Harris

Supervision of International Interns

Jorien van Rooijen (2012) University of Amsterdam

Ksenia Finogenova (2013) Ludwig-Maximilians-University Munich

Maria Helenda Dirven (2015) University of Leiden,

Danila Vittori MD (2015) University of Rome, Sant' Andrea Hospital

Ana Lauxen (2016) University of Groningen, The Netherlands

The Jackson Laboratory 2016-present

Supervision of Postdoctoral Fellow

Dr. Daniel Cortez-Perez

The University of Melbourne

FMDHS Dean's Lecture Series 2011
 "Pluripotent Human Stem Cells: A Progress Report", 10 November 2011
 Department of Genetics Seminar Program at La Trobe University (Melbourne)
 "Defining Pluripotency" 15 March 2012
 Centre for Eye Research Australia, Department of Ophthalmology, UoM
 "The States of Pluripotency", 2 May 12
 PhD Coursework in Neuroscience – University of Melbourne
 "Human Pluripotent Stem Cells As Research Tools & Emerging Applications in Medicine", 4 May 12
 Biomedical Science Dept of Anatomy and Neuroscience UoM
 "Human Pluripotent Stem Cells: The Road Ahead", 16 May, 2012
 Anatomy and Cell Biology, UoM, seminar series semester one
 Pluripotency and Lineage Specification in Human Embryonic Stem Cells, 18 May 2012
 Murdoch Children's Research Institute Molecular Medicine Seminar
 Pluripotent Stem Cells: States and Fates, 29 May 2012
 Research Mentors Program Workshop 3
 Session on challenges and opportunities for women research leaders, 29th May 2012
 Melbourne Neuroscience Institute Public Seminar Series
 "Stem Cells & Regenerative Medicine: The Future is Now" 26 June 2012
 Biomedical Sciences , Stem Cells – Basic Science, August 2012
 Melbourne School of Land and Environment - Biotechnology
 Stem Cells and Applications, October 2012
 Department of Anatomy and Neuroscience
 Clinical translation of Pluripotent Stem Cell, August 2013
 Biomedical Sciences ,Stem Cells – Basic Science, September, 2013
 Victorian Institute of Forensic Medicine, Stem cells under the microscope – June, 2016
 Biomedical Sciences, Modelling of human disease with pluripotent stem cells – August 2014
 Biomedical Sciences, Clinical translation of pluripotent stem cell therapy August, 2014
 Biomedical Sciences, Stem cells in Development and Regeneration
 Biomedical Sciences, Modelling of human disease with pluripotent stem cells – August 2015
 Biomedical Sciences, Clinical translation of pluripotent stem cell therapy August, 2015
 Melbourne Neuroscience Institute PhD workshop September 2015

University of Southern California**Lectures for CIRM Stem Cell Biology course 2006-2010**

"Concepts of Pluripotency"
 "Embryonic Stem Cells"
 "Tissue Stem Cells, Pluripotency and Cloning"

Lecture for Medical School - Hematology

"Embryonic Stem Cells" 2007-2010
 Pharmacology Laboratory, Medical School 2008-2010

Monash University, Melbourne, Australia

Lecture to Masters of Reproductive Science program, Monash University 1997-1998
 Lecturing, Practicals ANAT 3052, 2003
 Supervision of Minor Projects in Physiology, Monash University 1998
Deputy Director and Course Module Coordinator, Masters of Clinical Embryology,
 Monash University. Development of this Course Module MCE 101, Introduction to
 Mammalian Development 2000-2004 Director of Course, 2003
 Lecturing in MCE101, Introduction to Mammalian Development, 2000 -2004

Additional Teaching Responsibilities

Instructor, University of Pittsburgh Frontiers in Human Embryonic Stem Cells 2003 and 2004
 Jackson Laboratories, "Current Protocols in Human Embryonic Stem Cells", 2002, 2003.
 Director 2004-2009.

*Executive Administrative Roles***Monash University, 1998 - 2003**

Director, Centre for Early Human Development, 2003

Co-Director, Centre for Early Human Development, 2001-2002

Chair of Senior Scientist Forum, Monash Institute of Reproduction and Development, 2001

Student Advisor, Centre for Early Human Development, 1998-1999

University of Southern California, 2006-2012

Direct a major new initiative in stem cell biology, the Eli and Edythe Broad Center for Regenerative Medicine and Stem Cell Research, at the Keck School of Medicine. Develop scientific strategy for the basic research program of the Center, conduct recruitment of staff, participate in fundraising for the new initiative, develop liaisons with other groups at USC, regional and international centers, mentor young faculty, work with Dean's Office and administrators to manage the new institute, participate in planning and development of new research facilities, develop and implement strategies for commercialization and technology transfer of Center research, represent the University in public on matters relating to stem cell research, and maintain leading work in human embryonic stem cells.

In 2006, I left Monash University and the Australian Stem Cell Centre to take up the post of Foundation Director of the Eli and Edythe Broad Center for Regenerative Medicine and Stem Cell Research at the University of Southern California. Stem cell research was a new initiative for the USC. During my tenure the Center grew to comprise twelve faculty members and over 100 staff and students and a small administrative support team. I was responsible for development of the new program and recruitment of the faculty. The Center faculty comprises mostly young scientists from leading laboratories around the world. I played a very important part in mentoring these young scientists in their first independent appointments. While I was Director, our Faculty have published their research findings in major journals including Cell, Nature, Proceedings of the National Academy of Sciences, Nature Biotechnology, Cell Stem Cell, Developmental Cell, Cancer Research, and others. Center Faculty won \$38.7 million in competitive research funding, exclusive of our CIRM building grant, from the NIH and CIRM, plus a number of foundations. Three Center members, Dr. Qilong Ying, Dr. Mani Pashmfaroush, and Dr. Gage Crump, won prestigious CIRM New Faculty Awards. At the time of my departure USC/CHLA ranked fourth in CIRM funding across the State, in a very competitive environment that encompasses some of the leading universities in America and the world (UCLA, UCSF, UCSD, Stanford, UC Berkeley, and others). I authored the Major Facilities Grant, which was essential to help put up The Center's new building, supported by a generous gift of \$30 million from the Broad Foundation and a competitive grant award of \$27 million from CIRM (a CIRM Institute Grant). We opened the building in October 2010. The five story, 80000 square foot structure houses a vivarium, a lecture theatre, and three floors of laboratories for Center investigators. Another research floor houses four state of the art core laboratories (stem cell, flow cytometry, imaging and chemical genomics) which I set up, and serves as a hub for training and collaborative research with PIs from other USC departments and local institutions.

The USC Broad research pipeline included a number of technologies that will find application in the clinical delivery of stem cell therapies. These include a new stem cell modulatory drug targeted at the Wnt pathway, now in Phase 1 clinical trial for colorectal cancer and leukemia (developed by Professor Michael Kahn), novel animal models for the study of human disease and drug development based on rat embryonic stem cells (developed by Assistant Professor Qilong Ying), development of embryonic stem cell therapies for macular degeneration, a novel marker for liver stem cells and cancer of the pancreas and esophagus that emerged from studies in my own laboratory. I was a Co-investigator on a successful USC CIRM Disease Team application funded at \$16 million to develop an embryonic stem cell based treatment for macular degeneration.

Member, Dean's Executive Council and Dean's Research Advisory Group

2011-2016: University of Melbourne

I returned to Melbourne to lead a successful bid for the ARC Special Research Initiative in Stem Cell Sciences, Stem Cells Australia. Simultaneously I took up the Chair of Stem Cell Sciences at the University of Melbourne, The Walter and Eliza Hall Institute and the Florey Neuroscience and Mental Health Institute. SCA is a 7 year, \$21 million dollar initiative that brings together an interdisciplinary team of Australia's leading researchers in the field to address key fundamental questions in stem cell biology. The program ran under my direction for six years and has met all major KPIs. We completed a successful interim review in 2014 and received renewal of funding to 2018. Our scientists have published groundbreaking findings in Nature Cell Biology, Cell, Cell Stem Cell, Nature Biotechnology, and a range of other leading journals. SCA has become the leading scientific force in stem cell research and regenerative medicine in Australia. We have also lead a very important national campaign against a loophole in the Australian regulations on cell therapy that is allowing clinics to provide unproven stem cell treatments outside of a clinical trial context.

Within the University of Melbourne node of SCA, I established a new stem cell research unit, complete with two core laboratories that support researchers throughout the Parkville precinct and holds a regular seminar program, and provides seed funding for new initiatives. We worked with our neuroscience colleagues in the University and the Florey Neuroscience and Mental Health Institute to develop human pluripotent stem cell platforms for neuroscience research.

Committee Membership**Monash University**

1996-2003	Annual Report Committee, MIRD
1996-2003	Cloning Symposium Committee, MIRD
1996-2003	Building Committee, MIRD
1996-2003	Postgraduate Student Committee, MIRD,
1996-2003	Chair, Equipment Committee, MIRD
1996-2003	Chair, Senior Scientists Forum, MIRD
2002-2003	Research Degrees Committee, Monash University

University of Southern California

2008-	Search Committee for Chair of Pediatrics, CHLA
2008-	Search Committee, Division Chief, Bone Marrow Transplantation and Research Immunology, CHLA,
2008-	Dean's Executive Council
2008-	Dean's Research Council
2008-	Strategic Plan Central Committee
	KSOM Clinical Research Retreat
	SCRO Committee Member
	Dean's Teaching Retreat
	Biomedical Nanoscience Retreats
	Search Committee, CIRM Leadership Award

The University of Melbourne

2011-	Melbourne Neuroscience Institute Advisory Board
2011-	Centre for Neural Engineering Advisory Board
2013-2014	Research Review, Precision Medicine

Society Memberships

British Society for Cell Biology
 British Society for Developmental Biology
 Australia/New Zealand Society for Cell and Developmental Biology
 International Society for Stem Cell Research
 International Society of Differentiation (Board of Directors from 2004-2010)
 Australasian Society for Stem Cell Research (2011-)

*Professional Activities***Local/ National/ International**

- 1999-** Provide public commentary on scientific and ethical aspects of research on human embryonic stem cells and therapeutic cloning.
Member, Victorian Government Working Party on Stem Cell Research
- 2002-2004** Member, Scientific Management Advisory Council of the National Stem Cell Centre
Provided advice to national, state, and foreign government and regulatory agencies on therapeutic cloning and embryonic stem cells
- 2004-2006** Member, Executive Scientific Operating Committee, Australian Stem Cell Centre
- 2004-** Member, International Stem Cell Forum Steering Group
- 2004-2010** Member, Board of Management, International Society for the Study of Differentiation
- 2004-2006** Member, Gene and Related Therapies Research Advisory Panel, NHMRC
- 2005-2010** Scientific Advisory Board, National Stem Cell Bank
- 2005-2006** Ad Hoc Member, NIH Study Sections Neurogenesis and Cell Fate
- 2006-2010** Member, International Society for Stem Cell Research Standards Committee
- 2006-2009** Reviewer, Juvenile Diabetes Research Foundation
- 2007-** Connecticut Stem Cell Research Peer Review Committee
- 2008-2010** Scientific Advisory Board of the Canadian Stem Cell Network
- 2008-2010** Prize Committee, The Meira and Shaul Massry Foundation, Massry Award
- 2008-** Committee Chair, Canada Foundation for Innovation Leading Edge/New Initiatives in Stem Cells
- 2009-2010** Member, Scientific Advisory Board Charter of the Australian Stem Cell Centre
- 2009-2011** Board of Trustees Committee on Science and Engineering Complex, George Washington University
- 2009-2010** Scientific Advisory Board, ES Tools (EU Embryonic Stem Cell Consortium)
- 2009** CIRM UK MRC meeting January
- 2009-2015** Chair, ISSCR Membership Committee
- 2009 -2016** Member, ISSCR Audit Committee
- 2015 -** Clerk, and Member, Board of Directors, ISSCR
- 2016 -** Embryo Research Licensing Committee—National Health and Medical Research Council, Australia

Grant reviews

NHMRC, ARC, US NIH, UK BBSRC, UK MRC, Wellcome Trust, Yorkshire Cancer Research Campaign, Israel Science Foundation, European Community, other international bodies, Connecticut Stem Cell Research, Tri Institutional, JDRF Research Program (New York), Canada Foundation for Innovation, New Zealand HRC Biomedical,

Editorial Boards

- 2000-2003** Reproduction Fertility and Development
- 2004-** Stem Cells
- 2007-** Stem Cell Research
- 2008-** Cell Stem Cell
- 2009-** PLoS One
- 2012-** Stem Cell Reports
- 2016-** Elife

Journal Reviews*** (Regular ad-hoc reviewer)**

- PNAS
International Journal of Cancer
Experimental Cell Research
Science
Reproduction Fertility and Development (Editorial Board 2000-2003)
*Nature
*Nature Medicine
*Stem Cells (Editorial Board from 2004)

*Nature Biotechnology
 *Nature Methods
 Molecular Reproduction and Development
 *Nature Genetics
 *Nature Cell Biology
 Developmental Biology
 Journal of Anatomy
 The Journal of Cell Science
 Current Biology
 Mechanisms of Development
 *Development
 Journal of Pathology
 Human Reproduction
 Journal of Anatomy
 International Journal of Developmental Biology
 *Cell Stem Cell (Editorial Board from 2008)
 Human Reproductive Differentiation
 Molecular Biology of the Cell
 *Stem Cell Research (Editorial Board 2007)
 *Stem Cell Reports
 *Cell
 *Cell Reports
 *Nature Commentary

Consultantships, affiliations with Biotechnology companies

1996 – 2000	Consultant, Stem Cell Sciences Pty. Ltd.
1996 -	Director, Biotrophix Pty. Ltd.
2000 - 2002	Founding Scientist and member of the Scientific Advisory Board, ESI Pte. Ltd.
2002-2005	Founding Scientist, Copy Rat Pty. Ltd.
2003-2006	Founding Scientist and Driver, Nephrogenix
2006-2010-	Consultant, Australian Stem Cell Centre
2007-2010	Consultant, Millipore Corporation
2012 -2013	Consultant UCB Pharmaceuticals

Research Activities:

Major Areas of Research Interest

Human embryonic stem cells and human development; extrinsic control of growth and differentiation of human pluripotent stem cells; human germ cell tumors of the testis

Research Summary Past Ten Years

2006-2011 **Professor of Cell & Neurobiology**
Founding Director Eli & Edythe Broad Centre Regenerative Medicine and Stem Cell Research, Keck School of Medicine, University of Southern California
 Prospective isolation and characterization of cellular subpopulations in human ES cell cultures-the primordial stem cell and lineage specification; role of NF- κ B signaling in epigenetic and genetic adaptation of human ES cells in vitro; derivation of liver stem cells from human ES cell cultures; novel cell surface markers for endodermal progenitors; the International Stem Cell Initiative; Comparison of ES cells with iPS cells.

2011 - **Chair of Stem Cell Sciences**
 The University of Melbourne, Australia
 Florey Neuroscience and Mental Health Institute, Australia
 Walter and Eliza Hall Institute of Medical Research Australia
 Program Leader, Stem Cells Australia – ARC/Special Research Initiative
 Extrinsic Regulation of Pluripotency and Self Renewal in Human Pluripotent Stem Cells
 Human Pluripotent Stem Cells in Antibody Discovery
 Human Pluripotent Stem Cell Platforms for Neuroscience

Other Completed Research Projects

- 1974 - 1979** **Ph.D. Student, Department of Pharmacology, George Washington University, Washington, D.C.**
Studied the pharmacology and toxicology of the antitumour agent cisplatin; demonstrated protection from renal toxicity and an improved therapeutic index when the drug was used in combination with diuretics in rodent model systems.
- 1979-1982** **N.I.H. National Research Service Award, Institute of Cancer Research, London, U.K.**
Carried out molecular pharmacological studies of cisplatin, which provided strong evidence for the role of DNA binding and repair in the response of normal and tumour cells to the drug.
- 1982-1984** **Postdoctoral Fellow, Imperial Cancer Research Fund, London, U.K.**
Developed a new culture system for normal mouse keratinocytes and keratinocytes from preneoplastic and malignant stages of skin carcinogenesis in the mouse. Proved that immortality and reduced growth factor dependence preceded malignant transformation in skin tumour development. Showed that resistance to the induction of terminal differentiation by tumour promoting phorbol esters was a characteristic of premalignant keratinocytes derived from papillomas.
- 1984-1989** **Cell Biologist, Institute of Cancer Research, Sutton, U.K.**
Established and characterized a panel of cell lines from human germ cell tumours, which constitute a unique resource for the study of growth and differentiation in early human embryogenesis and in testicular tumours. Produced new monoclonal antibodies for the analysis of cell differentiation lineage in these neoplasms. Obtained evidence for the critical role of the serum adhesion protein vitronectin in the growth of human germ cell tumours. Demonstrated that germ cell tumours were inherently sensitive to DNA damage induced by cisplatin. Collaborated on the development and characterization of a panel of human lung carcinoma cell lines.
- 1989-1996** **Group Leader, Department of Zoology, Oxford University, Oxford, U.K.**
Played a major role in international collaborative studies on the phenotypes and cell lineages of human germ cell tumours, and on the basis of their sensitivity to cytotoxic drugs. Discovered a new keratan sulphate proteoglycan expressed in human embryonal carcinoma, other tumours, and foetal tissues; reported on the purification, biochemical characterization, and tissue distribution of this new pericellular matrix molecule; showed its potential use as a serum tumour marker. Carried out cell and molecular studies of gene expression during retinoic acid-induced differentiation of multipotent human embryonal carcinoma stem cells into endoderm. Characterised a novel polypeptide factor, which promotes growth and inhibits differentiation of multipotent embryonal carcinoma stem cells. Identified CD30 and CD30 ligand as potential autocrine regulators of human embryonal carcinoma stem cells. Collaborated with several groups to examine the expression of activin and related molecules in human germ cell tumours, work which led to the identification of human GDF-3 as a stem cell marker and possible growth regulator.
- 1996-2006** **Senior Research Fellow Associate Professor, and Research Professor Monash Institute of Reproduction and Development, Monash University, Clayton, Victoria**
Developed novel assay for human multipotent stem cell factor, which will allow expression cloning of this molecule. Completed studies on induction of differentiation of human pluripotent stem cells by BMP-2. Completed collaborative study on novel forms of Leukemia Inhibitory Factor produced by human germ cell tumours. Completed collaborative study on cytogenetic changes in cell lines from human germ cell tumours. Carried out further studies elucidating role of CD30 and its ligand in human germ cell tumours, which demonstrated production of truncated form of the receptor in these cells and established a role of CD30 in stem cell survival. Directed and participated in project which resulted in establishment and characterization of human embryonic stem cell lines from blastocysts and the derivation of pure cultures of neuronal progenitors there from. Carried out research on spontaneous differentiation of human embryonic stem cells identifying BMP-2 as a molecular mediator and noggin as an inducer of stem cell differentiation.

Research Funding
Since 1996**Grants obtained at Monash University**

(* Chief Investigator)

In vitro model for investigating the effects of genetic abnormalities on early human development

*Rebecca L. Cooper Medical Research Foundation.

\$10,695

Increasing IVF success rates by optimisation of culture conditions to produce viable blastocysts for transfer and cryopreservation

Monash IVF.

\$2500

*Stem Cell Sciences Pty. Ltd. Research Agreement.

\$75,000: 1997

*Stem Cell Sciences Pty. Ltd. Research Agreement.

\$75,000:1998

Wellcome Foundation Equipment Grant

\$200,000: 1998.

Cell biology of human peri-implantation development.

*Monash IVF.

\$20,000:1998

*ARC, APAI award,

\$20,502: 1998

Combinatorial Regulation of Human Multipotent Stem Cells by Membrane Bound and Soluble Factors

*NHMRC Project Grant:

\$110,000: 1999: three years

Monash University Special Research Fund

Centre for Animal Clonal Genomics for Biomedicine

\$160,000:1999: 1 year

Human embryonic stem cells in biology and medicine

*Monash University Special Research Fund

\$160,000:1999: 1 year

*ESI. Growth and Differentiation of human embryonic stem cells

\$525,000:2000-2001

*ESI. Growth and Differentiation of human embryonic stem cells

\$900,000: per annum: 2001-2003

Creating Islet cells to cure Type I diabetes

NHMRC/JDRF Program Grant.

\$852,000 per annum: 2001-2006

Control of growth and differentiation of normal and malignant pluripotent human stem cells *NHMRC

Project Grant

\$160,000:per annum: 2002-2005

Development of square wave technologies for human embryonic stem cells and other cell types

Equipment grant

*Monash University SMURF 2

\$30,000

2001

*National Institutes of Health Stem Cell Infrastructure Grant, with ES Cell International.

Towards Renal Regeneration

*National Institute of Health (NIH) Research Grant

US\$99,000

2002-2005

Regulation of Embryonic Stem Cells

*National Institute of Health (NIH) Research Grant

US\$232,674

2003 – 2006

Biotechnology Centre of Excellence Award

*ARC & Biotechnology of Australia-Commonwealth Government

2002 – 2006:total A\$43.5M

\$500K per annum

2004-2006

Developing Cell based therapies for kidney disease

Biotechnology Innovation Fund: Nephrogenix Pty Ltd

Project Number: BIF03275

2004-2006

Characterization of novel embryonic stem cell lines

Juvenile Diabetes Research Foundation

US\$ 125248

2005-2006

Grants obtained at the University of Southern California

CIRM USC Center for Stem Cell and Regenerative Medicine:

Shared Research Laboratory and Course in Current Protocols in Human Embryonic Stem Cell Research

Principal Investigator

\$3,523,244

2008-2011

NIH USC

Center for Liver Disease Pilot Grant

Principal Investigator

US\$63,309/2 years

2007-2009

CIRM

Seed Grant : RS1-00222-1

Therapeutic Potential of Retinal Pigment Epithelial Cell Derived from HES cells for Retinal Degeneration

Principal Investigator

\$653,661

2007 -2009

CIRM Major Facilities Grant

\$26.9 million

Authored grant on behalf of the Provost of the University of Southern California

2007-200

CIRM

New Cell Lines Award RL1-00667-1.

New technology for the derivation of human pluripotent stem cell lines for clinical use

Principal Investigator

\$1,387,508

2008-2011

Whittier Foundation Award

Cancer Stem Cells Leading the Way

Principal Investigator

\$72,800.00
2008-2010

NIH/NIDDK
5U01DK084538-02 (Wang) Establishment of CHLA's ChiLDREN Clinical Center
Associate Investigator
\$1,413,458
9/10/2009-5/31/14

CIRM Disease Team Award Co-PI
Stem cell based treatment strategy for age-related macular degeneration (AMD).
\$15,914,317
2009-2013

CIRM
Basic Biology Award RB1-01372
The stem cell microenvironment in the maintenance of pluripotency and reprogramming
Principal Investigator
\$1,440,822
2009-2012

Grants obtained at The University of Melbourne

ARC
Special Research Initiative in Stem Cell Science
\$21,000,000
2011-2018

Human Science Frontiers Program RGP0001/2012
Stem Cell Dynamics in Time and Space
CI 2012-2015 \$900,000US

Australia-India Strategic Research Fund BF060012
Novel Cell Surface Markers for Endodermal Progenitor Cells in Health and Disease
CI 2012-2014 \$297,000

NHMRC 2014 Project Grant 1059369
Uncovering the pathogenesis of age-related macular degeneration using induced pluripotent stem cells
CIC 2014 – 2016 \$552,000

NHMRC 2015 Project Grant 1106027
Modelling epileptic encephalopathies using induced stem cells
CIB \$506,489 2016-2018

Dissertation:

Pera, M.F. Interaction of cis-dichlorodiammine platinum (II) with diuretic drugs in rodent model systems. Ph.D. dissertation, Graduate School of Arts and Sciences, The George Washington University, Washington, D.C (1979)

Peer Reviewed Publications (At 19 October 2017 Google Scholar H index 58 and i10 128; since 2012, h index 39 i10 85. 18059 citations 7320 since 2012).

1. **Pera, M.F.** and Harder, H.C. Analysis for platinum in biological material by flameless atomic absorption spectrometry. *Clin. Chem.* 23: 1245-1249. (1977). [Citations: 114]
2. **Pera, M.F.**, and Harder, H.C. Effects of mannitol or furosemide diuresis on cis-dichlorodiammine platinum (II) antitumour activity and toxicity to host renewing cell populations in rats. *Cancer Research* 39: 1270-1286. (1979). [Citations: 21]
3. **Pera, M.F.**, Zook, B.C., and Harder, H.C. Effects of mannitol or furosemide diuresis on the nephrotoxicity and physiological disposition of cis-dichlorodiammine platinum (II) in rats. *Cancer Research* 39: 1269-1278. (1979). [Citations: 100]
4. **Pera, M.F.**, Rawlings, C.J., and Roberts, J.J.. Role of DNA repair in the recovery of human cells from cisplatin toxicity. *Chem. Biol. Interact.* 37: 245-261. (1981) [Citations: 69]
5. **Pera, M.F.**, Rawlings, C.J., Shackleton, J., and Roberts, J.J The formation and loss of DNA interstrand crosslinks induce by cis-diammine dichloroplatinum II (cisplatin) in chinese hamster cells. II Comparison of results from alkaline elution, DNA renaturation, and DNA sedimentation studies. *Biochim. Biophys. Acta:* 655: 152-166. (1981). [Citations: 89]
6. **Pera, M.F.**, Sessford, D., and Roberts, J.J. Toxicity of cisplatin and hydroxymalonato diammine platinum (II) towards mouse bone marrow and B16 melanoma in relation to DNA binding in vivo. *Biochem. Pharmacol.* 31: 2273-2278. (1982). [Citations: 10]
7. Parkinson, E.K., **Pera, M.F.**, Emmerson, A., and Gorman, P.A.. Differential effects of complete and second-stage tumour promoters in normal but not transformed human and mouse keratinocytes. *Carcinogenesis* 5: 1071-1077. (1984) [Citations: 38]
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- ***Pera, M.F.** Unnatural selection of human embryonic stem cells. Second Annual Conference of the Australian Stem Cell Centre. Sydney, November 22, 2004.

- ***Pera, M.F.** Growth and differentiation of human embryonic stem cells. Stem cells: from biology to therapy. 2004 Hanson Symposium Adelaide. November 21, 2004.
- ***Pera, M.F.** Meeting of the Steering Group of the International Stem Cell Initiative, London, UK, March 11, 2005.
- ***Pera M.F.**, Regulation of human embryonic stem cell differentiation. Walter Cottman Symposium, Melbourne, March 24, 2005.
- ***Pera M.F.** Growth and differentiation of human embryonic stem cells. Asia-Pacific Meeting on Human Embryonic Stem Cell Research, Kyoto, Japan April 18, 2005.
- ***Pera M.F.**, Andrew Laslett, Alice Pebay, Susan Hawes, Ernst Wolvetang, and Mirella Dottori. Differentiation hierarchies in human embryonic stem cell cultures defined by immunotranscriptional analysis. Human Genome Meeting, Kyoto, Japan. April 19, 2005.
- ***Pera M.F.**, Stem cells 101 and an update on human embryonic stem cells. Recent Advances in Stem Cell Sciences and Therapies, Annual Meeting of the Australian Academy of Sciences, Canberra May 6, 2005.
- ***Pera M.F.** Human embryonic stem cells: the state of the art. Emerging issues in stem cell therapy. Gene and Related Therapies Advisory Panel of the NHMRC Symposium. Canberra May 10, 2005.
- ***Pera M.F.** Human embryonic stem cells: the state of the art. American Transplant Congress, Seattle Washington USA. May 22, 2005.
- ***Pera M.F.** Paracrine interactions and the growth and differentiation of human embryonic stem cells. ISSCR Annual Meeting, San Francisco June 2005.
- Adam Filipczyk, Andrew Laslett, **Pera M.F.** Cell cycle and growth control of human embryonic stem cells. ISSCR Annual Meeting, San Francisco, June 2005.
- ***Pera M.F.** Human ES cells: gene expression, genetic stability and endoderm differentiation. University of Minnesota Stem Cell Institute. June 2005.
- * **Pera M.F.** Stem cell research and diabetes-an update. International Diabetes Institute Melbourne. July 2005
- ***Pera M.F.** International Society for Experimental Haematology. Glasgow, Scotland. July 30-August 2, 2005
- ***Pera M.F.** Human Embryonic stem cells: gene expression and early differentiation. 15th International Society of Developmental Biologists Congress 2005, Sydney Australia. Sept 3-7, 2005
- ***Pera M.F.** Maintenance and commitment of human embryonic stem cells. Symposium on cell and tissue engineering, California USA, Sept 18-19 2005
- ***Pera M.F.** Development of Conditions for Defined Culture and scale up. California Institute for Regenerative Medicine: Stem cell research: Charting new directions for California, San Francisco, Oct 1-2 2005
- ***Pera M.F.** Maintenance and commitment of human embryonic stem cells, St Vincent's Symposium 2005, Sydney Australia, Oct 14, 2005
- ***Pera M.F.** Ex vivo differentiation of Embryonal stem cells. Haematology Society of Australia and New Zealand. 2005 Annual Scientific Meeting. Sydney, Australia. October 16-19, 2005
- ***Pera, M.F.** Maintenance and commitment of human embryonic stem cells
2005 ISAC Samuel A Latt Conference incorporating the ASCC Third Annual Scientific Conference, Gold Coast, November 6-9, 2005

- *Pera, M.F.** Control of self renewal and early lineage commitment of human embryonic stem cells International Symposium Germ Cells, Epigenetics, Reprogramming and Stem Cells. Kyoto University, Kyoto, Japan. Nov 15-18 2005
- *Pera, M.F.** International Alliances and Stem Cell Landscape (Panel member). International Symposium on Stem Cell Collaboration. Mission Bay Conference Centre at UCSF, San Francisco, California February 7, 2006
- *Pera, M.F.** Transnational Cooperation in Stem Cell Research (Steering Committee) Hinxton, Cambridge, UK. February 22-24, 2006
- *Pera, M.F.** Human embryonic stem cells: past present and future. Institute of Molecular Biosciences, University of Queensland, Brisbane, Australia. March 2006.
- *Pera, M.F.** The cell biological basis of embryonic stem cell technology. Cell culture engineering X. April 2006, Whistler, Canada.
- *Pera, M.F.** Understanding, Maintaining and Using Human Embryonic Stem Cells. R+D Systems, Minneapolis, Minnesota, 14 September 2006.
- *Pera M.F.** Renewal and Commitment of Human Embryonic Stem Cells. International Society for Differentiation, Innsbruck, October 7-11, 2006.
- *Pera, M.F.** Characterization Maintenance and Differentiation of Human Embryonic Stem Cells. International Symposium on Stem Cells and Regenerative Medicine, Tapei, Taiwan October 21-22 2006
- *Pera, M.F.** Human Embryonic Stem Cells. First Latin American Conference on Regenerative Medicine, Buenos Aires, Argentina, October 27-28 2006.
- *Pera, M.F.** Understanding Maintaining and Using Human Embryonic Stem Cells. UCLA, Los Angeles, 2 November 2006.
- *Pera, M.F.** Control of Renewal and Commitment of Human Embryonic Stem Cells. The Biology of Stem Cells, 16th Beckman Symposium, Duarte California November 3 2006.
- *Pera, M.F.** Understanding Maintaining and Using Human Embryonic Stem Cells. Dean's Lecture Series, University of Washington, Seattle, 15 November 2006.
- *Pera, M.F.** Human Embryonic Stem Cells-The State of the Art. DeWatteville Lecture, FIGO World Congress, Kuala Lumpur 8-9 November 2006.
- *Pera, M.F.** Neural Differentiation of Human Embryonic Stem Cells. 4th Congress of the Federation of Asian-Oceanian Neuroscience Societies. Hong Kong November 30-December 2, 2006.
- *Pera, M.F.** Prospects for the Application of embryonic Stem Cells in Developmental Toxicology. Health and Environmental Sciences Institute. South Carolina, February 27-28, 2007.
- *Pera, M.F.** Stem Cell Research and Therapies/Apoptosis in Drug Discovery. La Jolla, San Diego, California. March 22-23, 2007
- *Pera, M.F.** Embryonic Stem Cells in Drug Discovery. American Association of Pharmaceutical Scientists. National Biotechnology Conference, San Diego, California. June 23-28, 2007.
- *Pera, M.F.** NF- κ B signaling in Human Embryonic Stem Cells. International Society for Stem Cell Research (ISSCR). Cairns, Queensland, Australia. June 17-20, 2007.
- *Pera, M.F.** Develop quality control and scale-up methods consistent with future translational studies. NIH Blueprint Stem Cell Workshop, Bethesda. June 28-29, 2007.
- *Pera, M.F.** Understanding and maintaining Human Embryonic Stem Cells. Stem Cell Manchester-The Northwest Initiative. Manchester, UK. July 16-18, 2007.

- *Pera, M.F.** Human Embryonic Stem cells- State of the Art. American Association of Pharmaceutical Scientists' student chapter's scientific symposium, Moving Targets. August 24, 2007.
- *Pera, M.F.** Understanding, Maintaining and Using Human Embryonic Stem Cells. Lund Stem Cell Center Meeting. Sweden, September 10-12, 2007
- *Pera, M.F.** Understanding, Maintaining and Using Human Embryonic Stem Cells. International Symposium on Regenerative Medical Therapy, September 19-20, 2007
- *Pera, M.F.** Understanding, Maintaining and Using Human Embryonic Stem Cells. Mackay International Conference, Taiwan. November 17-18, 2007
- *Pera, M.F.** Stem Cells 101, American Academy of Pediatrics Conference, San Francisco, October 29, 2007
- *Pera, M.F.** Human Embryonic Stem Cells; from Pluripotency to Neuroregeneration, Winter Conference on Brain Research, Snowbird, Utah, January 26-February 1, 2008
- *Pera, M.F.** Invited guest, Berkeley Stem Cell Conference, San Francisco, February 6, 2008
- *Pera, M.F.** Characterization, genetic stability and differentiation of human ES cells. Millipore Asia Bioforum; Advances in Epigenetics and Stem cell research. March 5, 2008
- *Pera, M.F.** Hepatic progenitor cells for a pre-clinical model of liver disease. RCLD Annual symposium, March 21, 2008
- *Pera, M.F.** Understanding, maintaining and using human embryonic stem cells. Monash University, Australia. April 16, 2008
- *Pera, M.F.** 15th Annual Meeting of the American Society for Neural Therapy and Repair. Clearwater Beach, FL Date: May, 2008
- *Pera, M.F.** The Science of Hope: Stem Cell research. USC Leonard Davis School of Gerontology; Leadership retreat, LA, California, April 25-27
- *Pera, M.F.** Understanding and Maintaining Human Embryonic Stem Cells. ILS-Biomed and 2nd International Stem Cell Meeting; The potency of Stem Cells. Tel Aviv, Israel, May 27-29, 2008.
- *Pera, M.F.** ES Tools; Advances with Human Embryonic Stem cells. Second Annual Consortium Meeting in Budapest 1-5 June 2008
- *Pera, M.F.** Endocrine Society 90th Annual Meeting; Primal Endocrinology; the TGF beta super-family in early mammalian development. San Francisco, June 17, 2008
- *Pera, M.F.** The Teratology Society, 48th Annual meeting. Human embryonic stem cells and the control of growth and differentiation of human pluripotent stem cells. Monterey, July 1, 2008
- *Pera, M.F.** Understanding and Maintaining Human Embryonic Stem Cells. The 13th Annual Mayo-Lutheran Forum on Hematopoietic and stem cells; The Emerging Embryonic Stem Cell Therapies. July 18, 2008.
- *Pera, M.F.** Understanding and Using Human Embryonic Stem Cells. City of Hope Stem Cell Seminar Series. Duarte, USA, September 5, 2008
- *Pera, M.F.** Altered States of Pluripotency, The 10th Annual International Stem Cell Initiative. Bar Harbor Maine, October 13, 2008
- *Pera, M.F.** ES Cell Derivation and Differentiation, Methods in Human Embryonic Stem Cell Research. Bar Harbor Maine, October 16, 2008

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- *Pera, M.F.** Update on Stem Cell Research, Medical Education Speakers Network , Glendale, November 24, 2008
- Pera, M.F.** California Scientist: CIRM-MRC Workshop. San Francisco, California, January 12-13, 2009
- Pera, MF** Expert Panel: Tutorial Presenter. Beckman Initiative for Macular Research: Vision for the Future through Interdisciplinary Discovery, Irvine, California January 22-23, 2009
- Pera MF** ES Tools Winterschool; Maintenance of pluripotency. Finland, January 26-30, 2009
- *Pera MF.** Invited Guest Speaker, Seminar: Stem Cell Research Center-Institute for Frontier Medical Sciences, Japan, February 14-20, 2009
- *Pera MF.** Protein Markers of Stem CellsThe Human Embryonic Stem Cell Microenvironment, a Challenge to Proteomics. Wellcome Trust, Perspectives in Stem Cell Proteomics Conference, UK, March 22-23, 2009
- *Pera MF.** Pluripotent Stem Cells in Neurology. Neurorehabilitation/ Medicine Grand Rounds, Rancho Los Amigos National Rehabilitation Center- Downey California, April 2009
- *Pera MF.** The Many States of Pluripotency. University of Kansas Medical Center A.L.Chapman Lecture April 2009.
- *Pera MF.** The Many States of Pluripotency. ESHRE 25th Annual Meeting, Amsterdam, June 2009.
- *Pera MF** The Many States of Pluripotency. Queenstown Molecular Biology Meeting, New Zealand, August 2009
- *Pera MF** The Many States of Pluripotency. University of Melbourne Stem Cell Interest Group Symposium, September 2009
- *Pera MF** The Many States of Pluripotency. Second Annual Stem Cell Symposium Cornell University, September 2009
- *Pera MF.** The Many States of Pluripotency. Institute for Molecular Medicine, University of Texas-Houston, January 2010
- *Pera MF.** Human Embryonic Stem Cells: The State of the Art. Scientific Program and Dinner-LA Obstetrical and Gynecological Society, February 2010
- *Pera MF.** The Many States of Pluripotency. California Institute Regenerative Medicine, 2nd Annual Grantee Meeting, March 2010
- *Pera MF.** The Many States of Pluripotency, Sabah Research Institute, Los Angeles, CA, April 2010
- *Pera MF.** Human ES Cell Culture : A Practical Approach, Animal Models for Stem Cell Therapy Workshop, The Jackson Laboratory, Maine, USA, 1st – 4th May, 2010
- *Pera, M.F.** The Many States of Pluripotency, Minnesota Stem Cell Institute, 21st October, 2010
- *Pera MF.** A novel marker for endodermal progenitor cells in tissue repair and transformation, The International Society Differentiation, Japan, November 2010
- *Pera MF.** The Many States of Pluripotency, Frontiers in Biomedical Research Hong Kong University, Hong Kong, December 2010
- *Pera MF.** Stem Cells and the Future of Medicine, Innovation Fund Skolkovo Centre Meeting, Moscow, January 2011
- *Pera MF.** Human Pluripotent Stem Cells : The State of the Art. FDA Committee of Veterinary Medicine Rockville, MD, USA, February 2011

***Pera MF.** Human Pluripotent Stem Cells: The State of the Art, 4th International Friederich's Ataxia Scientific Conference, Strasbourg, France, May 2011

Pera MF. A novel marker for endodermal progenitor cells in tissue repair and transformation, ISSCR 9th Annual Meeting, Canada, June 2011

***Pera MF.** The Metastable State of Pluripotency, Stem Cell and Regenerative Medicine Mini Symposium, National Science Council, 20 – 23 July 2011, Taiwan

Pera MF. Safety Issues in Stem Cell Therapies: Immunogenicity, Tumorigenicity and Genetic Stability (moderator) 2011 World Stem Cell Summit, Pasadena, CA, 3rd – 5th October, 2011

***Pera MF.** The Metastable State of Pluripotency, Department of Biochemistry, University of Georgia, 7th October, 2011

***Pera MF.** Human Pluripotent Stem Cells – back to the future, Rediscovering Pluripotency: From Teratocarcinomas to Embryonic Stem Cells, Cardiff, UK, 10th – 12th October, 2011

***Pera MF.** Human Pluripotent Stem Cells, The Australasian Society for Stem Cell Research, 4th Annual Meeting, 23rd - 25th October, 2011, NSW, Australia

***Pera MF.** Embryonic Stem Cells and Induced Pluripotency, International Society for Cellular Therapy, Sydney, Australia, 2nd November, 2011,

***Pera MF.** Dana Forbes Cancer Institute, Boston, 18th November, 2011

***Pera MF.** A Close Look at Human Pluripotent Stem Cells, Indo-Australia Biotechnology Conference on “Stem Cell Biology” December, 2011, Bangalore, India

Pera MF. Stem Cells Australia Inaugural Retreat, April, 2012

Pera MF. Panel Member for the External Review of the University of Minnesota Stem Cell Institute, Minneapolis April, 2012.

Pera MF. Stem Cell Bank, Pokrovsky, Russia, April, 2012

Pera MF. ISSCR, 10th Annual Meeting, Yokohama, Japan, June, 2012

***Pera, MF.** 1st International Conference on BioNano Innovation (ICBNI), QLD, Australia, July, 2012

Pera, MF. 9th Australia-China Symposium on Healthy Ageing; New approaches from genomics, stem cells and smart technologies, Canberra, Australia, 2012

Pera MF. ComBio2012 (Co- Chair) Symposium on Stem Cells & Regeneration; Adelaide, Australia September 2012

***Pera MF.** UNIST 2nd International Symposium on Reprogramming and Stem Cells; Busan, South Korea, October 2012

***Pera MF.** Annual Meeting, Australian and New Zealand Spinal Cord Society, Melbourne, Australia, October 2012

***Pera MF.** Ausbiotech 2012 National Conference, Panel Chair, Melbourne, Australia

***Pera MF** European Commission, DG Research & Innovation - Consensus meeting in Brussels , November 2012

Pera MF Stem Cells Australia Annual Retreat, Victoria, Australia, November 2012

***Pera MF.** Hunter Cellular Biology Annual Meeting, NSW, Australia, March 2013

***Pera MF** WEHI Student Meeting, Healesville, Australia, April 2013

***Pera MF** Australian Veterinary Association National Conference, Cairns, Australia, May 2013

- *Pera MF ISSCR June, 2013
- *Pera MF ISCI, Bar Harbour, June, 2013
- *Pera, MF GPCME, New Zealand, June , 2013
- *Pera, MF. Bootes Course for Translational Medicine, ANU College of Medicine, Canberra, Australia July, 2013
- *Pera, MF Centre for Stem Cell Research, The University of Adelaide, Australia, July 2013
- *Pera MF International Congress of Pediatrics, Melbourne, Australia, August, 2013,
- *Pera, MF Centre for Eye Research Australia, Annual Retreat, Victoria, Australia, October, 2013
- *Pera, MF Stem Cells Australia Annual Retreat, Queensland, Australia, November 2013,
- *Pera, MF CIRM Review, San Francisco, USA, November 2013
- *Pera MF NSW Stem Cell Network Workshop, Australia, November 2013
- *Pera MF 13th Congress Japanese Society for Regenerative Medicine – Kyoto, Japan. 2nd March – 7th March 2014
- *Pera MF International Expert Advisory Panel - Canadian Stem Cell Strategy, Toronto, Canada. 9th March – 11th March 2014
- *Pera MF Cell Reprogramming Australia Inc. 2nd Annual Collaborative Conference –5th and 6th June 2014
- *Pera MF Victorian Institute of Forensic Medicine. 11th June 2014
- *Pera MF ISSCR 2014 Annual Meeting, Vancouver, Canada Invited panellist – Focus Session. 18th June – 21st June
- *Pera MF Human Frontier Sciences Project 14th HFSP Awardees Meeting, Lugano, Switzerland. 4th July
- *Pera MF Taiwan Review Review the proposals of Stem Cell Research Program funded by Ministry of Science and Technology of Taiwan, R. O. C. 20th July
- *Pera MF International Conference on Systems Biology 2014 – Melbourne. 8 September 2014
- *Pera MF Palo Alto NHLBI Progenitor Cell Biology Consortium (PCBC) Cell Characterization Futures Workshop, California. September 28, 2014
- *Pera MF Epilepsy Genetics in the Era of Precision Medicine, California. September 29-30, 2014
- *Pera MF Nature Conference--Nuclear Reprogramming Guangzhou. October 31-November 2, 2014
- *Pera MF Cell Therapy and Regenerative Medicine. Fifth Margaret River Region Conference. N Busselton, Western Australia. November 3-5, 2014
- *Pera MF. Young Investigators Symposium, Stem Cell Society of Singapore, Singapore, June 2015
- Pera MF. International Society of Stem Cell Research Stockholm, Sweden 24-27 June 2015
- *Pera MF. Human Science Frontiers Program Grantees Meeting, La Jolla CA , 2015 (abstract)
- Pera MF. Chair. Theo Murphy Think Tank The Stem Cell Revolution: Lessons for Australia. Australian Academy of Sciences, Sydney 2015
- Pera MF New South Wales Stem Cell Network Sydney 6 April 2016. Stem Cells Back to the Future

***Pera MF** IPITA IXA CTS Joint Conference Melbourne November 2015. Stem cells and regenerative medicine: the future is now.

***Pera MF** International Tissue Transplantation Society Hong Kong The promise of stem cells: nullius in verba

***Pera MF** Taiwan International Stem Cell Conference Taipei 16-17 October Human Pluripotent Stem Cells and the Mammalian Embryo

***Pera MF** Ausbiotech Melbourne October 25 2016. Stem cells and regenerative medicine: the future is now.

Pera MF Hong Kong Conference on Stem Cells and Regenerative Medicine

***Pera MF** UK Inaugural Regenerative Medicine Meeting London 19 December. Human pluripotent stem cells: biology matters.

Pera MF. Hong Kong and Guangzhou International Conference on Stem Cells and Regenerative Medicine Hong Kong December 2016. Regulation of cell therapy and stem cell research.

***Pera MF**. The Vernon Plueckhahn Oration, Barwon Health, Geelong 14 February 2017. The Genome Editing and Stem Cell Revolutions: Over the Horizon.

***Pera MF**. Inhibition of DYRK1A disrupts neural lineage specification in human pluripotent stem cells. ISSCR Regional Conference on Translational Opportunities in Stem Cell Research, Basel, 27 February 2017.

***Pera MF**. Human pluripotent stem cells and human embryogenesis. 44th Marine Biological and Medical Sciences Symposium. Salisbury Cove, ME. 28 April 2017

***Pera MF**. Human pluripotent stem cells and the human embryo. Ivan Damjanov Lecture, Kansas University Medical Center, Kansas City KA. 1 June 2017

***Pera MF**. Human pluripotent stem cells and the human embryo. Physical Concepts in Stem Cell Biology Tisvildeleje, DK. August 6-10. 2017.