

CURRICULUM VITAE

CESARIO VENTURINA BORLONGAN, PH.D.
Distinguished Professor, Director, and Vice Chairman for Research
Department of Neurosurgery and Brain Repair
University of South Florida Morsani College of Medicine

PERSONAL DATA

Citizenship: U.S. **Date and Place of Birth:** February 25, 1967, Philippines

Marital Status: Divorced; Two children, Mia Celine Borlongan (18 years old) and Maximillian Caesar Borlongan (11 years old)

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EDUCATION

1993-1995 **Postdoctoral Fellowship.** Neurosurgery
University of South Florida, Tampa, Florida, USA

1989-1994 **Ph.D.** Physiological Psychology
Keio University, Mita, Tokyo, Japan
Japan Ministry of Education Scholar

1986-1990 **M.A.** Clinical Psychology
University of the Philippines
Magna Cum Laude

1983-1986 **B.S.** Psychology (One Year Accelerated)
University of the Philippines
University Scholar

1979-1983 High School Diploma
Marcelo H. del Pilar High School, Philippines
Valedictorian

PROFESSIONAL**Academic Appointments**

1986-1988	Faculty Instructor and Research Laboratory Manager Department of Psychology University of the Philippines, PHILIPPINES
1988-1993	Visiting Researcher (with Prof. Shigeru Watanabe) Department of Psychology Keio University, Mita, Minato-ku, Tokyo, JAPAN
1993-1996	Research Laboratory Manager (with Prof. Paul R. Sanberg) Department of Surgery, College of Medicine University of South Florida, Tampa, FL USA
1994-1996	Research Associate (with Dr. Thomas B. Freeman) James A. Haley Veterans Administration Hospital Tampa, FL USA
1995-1998	Assistant Professor Department of Surgery, College of Medicine University of South Florida Tampa, FL USA
2001	Visiting Scientist/ Lecturer Department of Psychology Keio University, Mita, Minato-ku Tokyo, JAPAN
1998-2002	Senior Staff Fellow (with Dr. Barry J. Hoffer) National Institute on Drug Abuse, NIH Baltimore, MD USA
2002-2008	NIH Guest Researcher National Institute on Drug Abuse, NIH Baltimore, MD USA
2002-2008	Research Physiologist Research and Affiliations Service Line Augusta VA Medical Center, Augusta, GA
2002-2008	Associate Professor Department of Neurology Medical College of Georgia, Augusta, GA
2008	Tenured Full Professor Department of Neurology Medical College of Georgia, Augusta, GA
2008 - present	Professor and Vice Chairman for Research Department of Neurosurgery and Brain Repair
2008 - 2012	Associate Director USF Center of Excellence for Aging and Brain Repair University of South Florida Morsani College of Medicine, Tampa, FL
2012 - present	Director USF Center of Excellence for Aging and Brain Repair University of South Florida Morsani College of Medicine, Tampa, FL

Editorships

Lead Editor, Mitochondrial Inhibitors and Neurodegenerative Disorders, New Jersey: Humana Press, 2000. (Preface by **Dr. Joseph T. Coyle**)

Lead Editor, Immunosuppressant Analogs in Neuroprotection, New Jersey: Humana Press, 2002. (Preface by **Dr. Solomon H. Snyder**)

Managing Editor, Frontiers in Bioscience (Genes; Nov 2004 – present)

Associate Editor, Cell Transplantation (2008 - 2012)

Guest Editor, Current Pharmaceutical Design, 2012

Editorial Boards

Editorial Board Member, Stroke (2014 – present)

Editorial Board Member, Journal of Cerebral Blood Flow and Metabolism (2013 – present)

Editorial Board Member, Stem Cells (2006-present)

Section Editor, Brain Research (Board Member 2006-present; Section Editor 2017-present)

Academic Editor, PLoS One (2008-present)

Editorial Board Member, CNS and Neurological Disorders (2014-present)

Section Editor, International Journal of Molecular Sciences (2012-present)

Editorial Consultancy

American Journal of Pathology	Journal of Neurochemistry
Annals of Neurology	Journal of Neuroimmunology
Annals of Internal Medicine	Journal of Neuroscience
Archives of Physical Medicine and Rehabilitation	Journal of Neuroscience Methods
Behavioral Brain Research	Journal of Neuroscience Research
Biochemical Journal	Journal of Neurosurgery, Neurology and Psychiatry
Biotechnology	Journal of Pharmacy and Pharmacology
BMC Biology	Lancet
BMC Biotechnology	Lancet Neurology
BMC Neuroscience	Life Sciences
Brain	Medical Science Monitor
Brain Research	Molecular Brain Research
Brain Research Reviews	Molecular Medicine
Brain Research Bulletin	Molecular Therapy
Canadian Journal of Physiology and Pharmacology	Nature
Canadian Medical Association Journal	Nature Medicine
Cell Biology International	Nature Neuroscience
Cell Transplantation	Naturwissenschaften
Cerebral Cortex	Neurobiology of Aging
CNS Neuroscience & Therapeutics	Neurobiology of Disease
CNS and Neurological Disorders	Neurochemical Research
Comparative Biochemistry and Physiology	Neurochemistry International
Current Medicinal Chemistry	Neuropsychiatric Disease and Treatment
EMBO	Neuropsychopharmacology
European Journal of Neuroscience	NeuroRehabilitation and Neural Repair
Experimental Brain Research	Neuroscience
Experimental Neurology	Neuroscience and Biobehavioral Reviews
Expert Opinion on Biological Therapeutics	Neuroscience Letters
Expert Opinion on Drug Discovery	Neuroscience Research
Expert Review on Neurotherapeutics	Pharmacological Research
FASEB Journal	Pharmacology, Biochemistry, and Behavior
Free Radical Research	Physiology and Behavior
Future Medicine	PLoS One
Future Neurology	PNAS
Hippocampus	Progress in Neurobiology
Intensive Care Medicine	Psychopharmacology
JAMA	Public Library of Science
Journal of the American College of Nutrition	Regenerative Medicine
Journal of Cellular and Molecular Medicine	Restorative Neurology and Neuroscience
Journal of Cellular Physiology	Science
Journal of Cerebral Blood Flow and Metabolism	Scientific Reports
Journal of Clinical Investigations	Stem Cells
Journal of Human Hypertension	Stem Cells Development
Journal of Biomedical Material Research	Stroke
Journal of Molecular and Cellular Cardiology	Synapse
Journal of Neural Transmission	Tissue Engineering and Regenerative Medicine
Journal of Neurobiology	Vascular Pharmacology

Committee Assignments

Major Institutional Committees

Member, USF Appointment, Promotion, and Tenure Committee (2015-present)
Member, USF Conflict of Interest Committee (2013-2014)
Member, USF NIH CTSA Writing Committee (2012-2013)
Chairman, USF College of Medicine Committee on Research (2009-2012)
Ex Officio Member, USF Executive Committee on Research and Education (2010-2012)
Member, USF Subcommittee on Research of Executive Committee on Research and Education (2010-2012)
Member, USF Department of Neurosurgery Resident Selection Committee (2008-present)
Member, USF Veterans Reintegration Steering Committee (2009-present)
Member, USF Silbiger Research Scholarship Evaluation Committee (2010-present)
Member, USF Health Research Day Planning Committee (2010-2011)
Workshop Participant, USF Research and Innovation Day on NIH Grant Writing (2009)
Workshop Participant, USF First NanoBiomedicine Conference (2010)
Member, MCG Neuroscience Executive Committee (2005-2008)
Member, MCG Department of Pathology Faculty Search Committee (2006)
Member, MCG IMMAG Faculty Search Committee (2005, 2006)
Member, Panel to Explore Feasibility of a Rodent Facility at Gracewood (2007)
Member, MCG Brain Discovery Institute: Stem Cell/Stroke Section and Regenerative Medicine Section (2007)
Member, MCG Intramural Grants Program (2007-present)
Member, Augusta VAMC Animal Care and Use Committee (2002-2005)
Chairman, Augusta VAMC Biosafety Committee (2003-2008)

National and International Committees

NIH Grant Reviewer, CMBG-Glia, 2017-present
DOD Medical Research Program Reviewer, 2015-present
Grant Reviewer, New Zealand Neurological Foundation, 1996-present
Ad Hoc Screening Committee Member, Tourette Syndrome Association, 1994-95
Grant Reviewer, Health Research Council of New Zealand, 1997-present
Faculty Promotion Reviewer, U.S. National Center for Toxicology, 1999
Grant Reviewer, U.S. Dept Commerce, Natl Inst Science Technology, 2000
Peer Reviewer, Philip Morris External Research Program, 2001-present
NIH Reviewer, NIMH B-Start Program Grant, 2002
Grant Reviewer, Georgia Tech Neural Tissue Engineering Program, 2003
Grant Reviewer, Netherlands Technologiestichting STW, 2004
Grant Reviewer, U.S. Dept State, Civilian Research Dev Foundation, 2005
NIH Reviewer, Study Section: ZNS1 SRB-E, Centers of Excellence: Translational Human Stem Cell Research, 2005
NIH Reviewer, Study Section: ZRG1 MDCN-C Drug Development for Neurological Disorders, 2005-present (**Alternate Chair**, 2007, 2008)
NIH Reviewer, Study Section: NOMD Neural Oxidative Metabolism and Death Study Section, 2006-present (Nominated as Regular Member in 2009 pending NIH approval)

NIH Reviewer, NIH ZRG1 BST-Q, Bioengineering Sciences and Technologies
Integ Rev Group, 2007 (Summer and Fall)

NIH Reviewer, NIH ANIE Acute Neuronal Injury and Epilepsy, 2008

NIH Reviewer, NIH Molecular Neuropharmacology and Signaling Study
Section (MNPS), 2009

Independent Scientific Review Panel Board Member, New Jersey Commission
on Brain Injury Research, 2006-present

Stem Cell Reviewer, Maryland Stem Cell Research Fund, 2007-present

Stem Cell Expert Discussant, Government of Alberta, Alberta Science and
Research Investments Program, 2006

Stem Cell Reviewer, UK Medical Research Council, 2006-2007

Reviewer, Swiss National Science Foundation, 2006-2007

Stroke and Stem Cell Expert Discussant, Stem Cell Therapeutics as an Emerging
Paradigm for Stroke (STEPS), 2007

Workshop Speaker, NIH NINDS Translational Research, Washington DC, 2008

Expert Reviewer, 5th International Society for Stem Cell Research, Australia, 2007

AHA Reviewer, American Heart Association National Brain 2 Study Group,
2008-present

AHA Reviewer, American Heart Association SouthEast Affiliate, Brain
Committee, 2008 - present

AHA Reviewer, American Heart Association National Basic Cell Biology 4 Study
Group, 2009

Program Committee Member, 17th Annual Meeting of American Society for
Neural Therapy and Repair, Clearwater, Florida, 2010

Chairman, Maryland Stem Cell Research Fund, 2010

Regular NIH Study Section Member, Neural Oxidative Metabolism and Death,
2010-present

Reviewer, UK Medical Research Council, 2010-present

Reviewer, Tulane Stem Cell Research Grant Award Committee

VA NURE Reviewer, Veterans Affairs Biomedical Laboratory Research and
Development, 2008-present

VA Rehab Reviewer, Veterans Affairs Rehab Merit Review Panel, 2009

NIH Promotion Evaluator, NIH NIDA Intramural Research Program, 2009-2010

Stroke and Stem Cell Expert Discussant, Stem Cell Therapeutics as an Emerging
Paradigm for Stroke (STEPS2), Houston, Texas, 2010

Workshop Participant, First International Placenta Stem Cell Society, Milan,
Italy, 2010

NIH Promotion Evaluator, NIH NIDA Intramural Research Program, 2009-2010

Stroke and Stem Cell Expert Discussant, Stem Cell Therapeutics as an Emerging
Paradigm for Stroke (STEPS3), Washington, DC 2012

EMBO Workshop Participant, First International Placenta Stem Cell Society,
Italy, 2010

Plenary Speaker, Institute of Stem Cell Biology, Gmunden, Austria, 2010
Invited Speaker, Ludwig Boltzmann Institute, Vienna, Austria, 2010
Invited Speaker, Austrian Public Cord Blood Bank, Linz, Austria, 2010
Reviewer, The Stroke Association UK, 2010
Lead Organizer, Zing Conference in Neuroscience, Egypt, 2011
Stroke Symposium Chair, International Neural Transplantation Repair, FL, 2011
Plenary Speaker, AHA International Stroke Conference, Los Angeles, CA, 2011
Invited Speaker, Asia-Pan Pacific Stem Cell Meeting, Taiwan, 2011
Invited Speaker, European Regenerative Medicine, Gmunden, Austria, 2011
Invited Speaker, Stem Cell Banking and Therapy, St. Petersburg, Russia, 2012
Invited Speaker, Asia-Pan Pacific Stem Cell Meeting, Taiwan, 2012
Neurology Grand Rounds Speaker, Cornell University, 2012
Neuroradiology Grand Rounds Speaker, Massachusetts General Hospital, 2012
Neurosurgery Grand Rounds Speaker, USF 2012
Workshop Participant, Second International Placenta Stem Cell Society, Vienna, Austria 2012
Reviewer, Brain Conference 2011-present
Reviewer, American Heart Association International Stroke Conference, 2011-present
Reviewer, American Society for Neural Transplantation and Repair, 2011-present
Reviewer, Brain Canada 2012
Reviewer, New York Stem Cell Research Alliance 2012 - present
Organizing Committee Co-Chair, American Society for Neural Transplantation and Repair, 2013 - present
Invited Speaker, Neuroscience Symposium, Mayo Clinic, Jacksonville Florida, 2013
Neurosurgery Grand Rounds Speaker, Loma Linda University, 2013
Neurosurgery Department Invited Speaker, XuanWu Hospital, Beijing, China 2013
Neurosurgery Grand Rounds Invited Speaker, University of Bern, Switzerland, 2013
Invited Speaker, International Neural Transplantation and Repair, Cardiff, UK 2013
AHA Co-Chair, American Heart Association National Regenerative Biology Study Group, 2012-present
Chairman, Maryland Stem Cell Research Fund, 2010-present
Invited Reviewer, Department of Defense, TBI Special Emphasis Panel, 2013
Invited Reviewer, Austrian Science Fund (FWF), 2014
Organizer and Plenary Speaker, 3rd International Meeting of International Placenta Stem Cell Society, Granada, Spain, 2014

*Note: Dr Borlongan's service in providing his insights into identifying hot topic areas in the field of stem cells and stroke has been solicited in at least 25 NIH study section meetings in the last 3 years alone.

Research Grants Awarded (Past 10 years)

- 2015-2020 **Principal Investigator (\$1,800,000)**
NIH, NINDS: Re-Establishing Vascular Integrity in ALS via Endothelial Cell Transplant (Scored 9%)
- 2015-2017 **Principal Investigator (\$450,000)**
NIH, NINDS: Probing the stroke vasculome with stem cells (Scored 2%)
- 2014-2016 **Principal Investigator (\$450,000)**
NIH, NINDS: Vascular repair extends therapeutic window for ischemic stroke (Scored 4%)
- 2011-2016 **Principal Investigator (\$2,200,000)**
NIH, NINDS: Blood brain barrier repair in cell therapy for stroke
- 2011-2015 **Principal Investigator (\$1,800,000)**
DoD: Battlefield-Related Injury Translational Research, PostTraumatic Disease and Disability-Veterans Reintegration Strategy
- 2013-2016 **Co-Investigator (\$750,000 excluding salaries)**
VA: G-CSF treatment in traumatic brain injury
- 2015-2016 **Principal Investigator (\$225,000)**
SanBio Inc: Transplantation of SB-623 in chronic stroke
- 2015-2016 **Principal Investigator (\$450,000)**
Karyopharm, Inc: Nuclear sequestration of cell death
- 2010-2015 **Principal Investigator (\$1,196,000)**
James and Esther King Foundation: Blood brain barrier repair in cell therapy for stroke
- 2013-2014 **Principal Investigator (\$200,000) with Full Indirects**
Celgene Cellular Therapeutics Inc: PDA 0001 transplantation for traumatic brain injury
- 2013-2014 **Principal Investigator (\$150,000) with Full Indirects**
Karyopharm Inc: Pilot Studies of Selective Inhibitors for Nuclear Export in Traumatic Brain Injury

- 2010-2011 **Principal Investigator of the Academic Component (\$100,000) with Florida HiTech Corridor Matching Funds (\$50,000)**
James and Esther King Foundation: A novel autologous stem cell source for transplant therapy in stroke
- 2010-2011 **Principal Investigator (\$105,000) with Full Indirect Costs and with Florida HiTech Corridor Matching Funds (\$50,000)**
Draper Laboratories: An Animal Model of Mild/Moderate TBI
- 2010-2011 **Principal Investigator (\$100,000) with Full Indirects**
SanBio, Inc: Transplantation of cultured human-derived cells in stroke
- 2010-2011 **Principal Investigator (\$105,000) with Full Indirects**
Neuralstem, Inc: Intracerebral transplantation of cultured human spinal cord-derived neural stem cells in stroke
- 2010-2011 **Principal Investigator (\$300,000) with Full Indirects**
Celgene Cellular Therapeutics Inc: PDA 0001 transplantation for neonatal hypoxic ischemic brain injury
- 2007-2012 **Principal Investigator (\$4,200,000 requested total costs; Notice of Grant Award Received October 2007)**
NIH UO1: Transplantation of multipotent adult progenitor cells in stroke
- 2007-2010 **Principal Investigator (\$1,800,000 requested total costs; Notice of Grant Award Received September 2007)**
NIH STTR Phase 2: Physiological benefit and fate of transplanted multipotent adult progenitor cells in hypoxic-ischemic injury
- 2004-2008 **Principal Investigator (\$225,000/year for 4 years)**
VA Merit Review Award: Neural transplantation therapy for stroke
- 2006-2007 **Co-Principal Investigator (\$125,000)**
NIH STTR Phase 1: Physiological benefit and fate of transplanted multipotent adult progenitor cells in hypoxic-ischemic injury

- 2007-2008 **Principal Investigator (\$450,000)**
SanBio Research Grant Award: Transplantation of Notch-induced bone-marrow derived neural stem/progenitor cells in stroke
- 2007-2009 **Principal Investigator (\$450,000)**
Celgene Research Grant Award: Transplantation of placenta-derived neural stem/progenitor cells in stroke
- 2007-2009 **Principal Investigator (\$450,000)**
Anonymous Biopharm Research Grant Award:
Transplantation of stem/progenitor cells in stroke
- 2007-2008 **Principal Investigator (\$150,000 for 2 years)**
GlaxoSmithKline Research Grant Award: Neural transplantation therapy for Parkinson's disease
- 2007-2008 **Principal Investigator (\$75,000)**
Cognate/Theradigm Research Grant Award:
Transplantation of bone marrow vs. adipose stem cells in stroke
- 2005-2007 **Principal Investigator (\$120,000/year for 2 years)**
Athersys, Inc. (Cleveland, OH) Research Grant Award:
Transplantation of multipotent adult progenitor cells in stroke
- 2006-2007 **Principal Investigator (\$90,000)**
MCG Combined Intramural Grant Program
Establishing a non-human primate model of stroke
- 2005-2006 **Principal Investigator (\$120,000)**
MCG College of Medicine Dean's Fund
Establishing a non-human primate model of stroke
- 2003-2005 **Principal Investigator (\$77,000/year for 2 years)**
AHA Grant-In-Aid Award: Neural transplantation therapy for stroke
- 2003-2005 **Principal Investigator (\$225,000/year for 2 years)**
SanBio, Inc. (Mountain View, CA) Research Grant Award:
Transplantation of Notch-induced bone-marrow derived neural stem/progenitor cells in stroke

- 2004-2006 **Co-Principal Investigator (\$120,000/year for 2 years)**
Athersys, Inc. (Cleveland, OH) Research Grant Award:
Physiological benefit and fate of transplanted multipotent adult progenitor cells in stroke and hypoxic-ischemic injury
- 2006 **Principal Investigator (\$2,000)**
Augusta Fraternal Order of Eagles Research Grant Award:
Stem cell therapy for stroke
- 2006-2008 **Principal Investigator (\$300,000 over 3 years)**
Wyeth Pharmaceuticals (Collegeville, PA) Research Grant Award: Thrombolytic therapy for stroke
- 2004 **Principal Investigator (\$10,000)**
Augusta American Legion Research Award: Neural transplantation therapy for stroke
- 2004 **Principal Investigator (\$70,000)**
GlaxoSmithKline Research (Research Triangle, NC) Grant Award: Neural transplantation therapy for Parkinson's disease
- 2005 **Principal Investigator (\$35,000)**
NeuroDetective Research Grant Award: Neural transplantation therapy for Parkinson's disease
- 2002-2004 **Principal Investigator (\$65,000/year for 2 years)**
VA Career Development Award: Neural transplantation of cultured human-derived neurons in a rodent stroke model
- Pending Research Grants**
- 2015-2020 **Principal Investigator**
NIH RO1: Biomarker and stem cell screening tool for epilepsy
- 2015-2020 **Principal Investigator (Sub Award)**
NIH RO1: Novel Protein Kinase Inhibitor Candidates for CNS Drug Discovery (Scored, For Resubmission)
- 2015-2020 **Co-Investigator**
NIH RO1: Biobridge via stem cell formation for traumatic brain injury
- 2015-2017 **Principal Investigator**
NIH R21: Gender-linked stem cell alterations in post-partum depression and stroke

Patents

- 1995 Sertoli cells as neurorecovery inducing cells for neurodegenerative disorders. **(US patent: 6,036,951)**
Inventors: Sanberg, P.R., **Borlongan, C.V.** & Cameron, D.F.
- 1995 Sertoli cells as transplantation facilitator for cell transplantation. **(US patent: 5,942,437)**
Inventors: Sanberg, P.R., **Borlongan, C.V.** & Cameron, D.F.
- 1996 Method and media for enhancing cryopreservation of cells **(US patent: 6,037,175)**
Inventors: Sanberg, P.R., **Borlongan, C.V.**, & Cameron, D.F.
- 1999 Melatonin as a protective agent against stroke. **(US patent: 6,075,045)**
Inventors: Nishino, H. & **Borlongan, C.V.**
- 2001 Method of attenuating cognitive deficits with methanesulfonyl fluoride. **(US patent: 8,618,167)**
Inventors: **Borlongan, C.V.** & Moss, D.
- 2006 Multipotent progenitor cells rescue against stroke. (IP disclosure at MCG) Inventors: Carroll, J.E., Hess, D.C., & **Borlongan, C.V.**
- 2009 Human amnion as a source of stem cells for CNS therapy. (IP disclosure at USF) Inventors: **Borlongan, C.V.**, & Parollini, O.
- 2009 Delta opioid peptide for stroke therapy. (IP disclosure at USF)
Inventors: **Borlongan, C.V.**, Su, T.-P., Wang, Y.
- 2010 Methods for enhancing neuroprotection via administration of stem cells and blood brain barrier permeabilizers. **(US patent: 7,674,457)**
Inventors: **Borlongan, C.V.**, and Sanberg, P.R.
- 2012 MicroRNA profiling as a biomarker and stem cell screening tool for epilepsy
US patent: Pending, filed by USF in October 2012
Inventors: **Borlongan, C.V.**, Vale, F., and Gemma, C.
- 2015 Methods of Treating Stroke Using Stem Cell Like Menstrual Blood Cells **(US patent: 9,044,431)**
Inventors: **Borlongan, C.V.**, Alickson, J., and Sanberg, P.R.

AWARDS AND HONORS (Past 10 years)

- 2017 **USF Outstanding Supervisor Award**
Tampa, FL

- 2017 **USF Global Achievement Award**
Tampa, FL
- 2017 **Everfront Award**, 10th Pan Pacific Symposium on Stem Cell and
Cancer Research, Taiwan
- 2016 **Donald D. Matson Lecture, AANS/CNS, Section on Pediatric
Neurological Surgery**
Chicago, IL
- 2015 **AIMBE Fellow**
American Institute for Medical and Biological Engineering, US
- 2014 **President-Elect**
American Society for Neural Therapy and Repair, US
- 2014 **Vice President (Re-elected and will serve as President in 2018)**
International Placenta Stem Cell Society, Italy
- 2013 **Outstanding Research Award**
University of South Florida, Tampa, FL
- 2012 **Outstanding Faculty Award**
University of South Florida, Tampa, FL
- 2012 **AAAS Fellow**
American Academy for the Advancement of Science, US
- 2011 **Vice President**
International Placenta Stem Cell Society, Italy
- 2010 **Distinguished Lecturer Award**
USF NanoMedicine Research Center, Tampa, FL
- 2008 **Featured in The Lancet Neurology "Lifeline"**
Lancet Neurology, Volume 372
- 2006 **Outstanding Young Basic Science Faculty Award**
Medical College of Georgia, Augusta, GA
- 2006 **Certificate of Appreciation**
In appreciation of outstanding lecture
4th Catholic International Stem Cell Symposium, Seoul, Korea
- 2006 **Selected as One of Two Outstanding Preclinical Research**
American Academy of Neurology 58th Annual Meeting, San Diego, CA

- 2004 **Late Breaking Scientific News Award**
24th Collegium Internationale Neuro-Psychopharmacologicum
Congress, Paris, France
- 2004 **Blood Brain Barrier Award**
150th Anniversary of Nobel Laureate Paul Ehrlich
Nuremberg, Germany
- 2002 **College of International Geriatrics and
Psychoneuropharmacology Award**
1st College of International Geriatrics and
Psychoneuropharmacology International Meeting
Barcelona, Spain
- 2002 **Rafaelsen Fellowship Award**
23rd Collegium Internationale NeuroPsychopharmacologicum
Congress
Montreal, Canada
- 2002 **NIH Fellows Award for Research Excellence**
“Bradykinin receptor agonist, Cereport, transiently opens the BBB
and facilitates neuroprotective effects of low dose Cyclosporine-A”
NIH, Bethesda, MD
- 2002 **Most Outstanding Scientific Achievement Award**
“For providing the preclinical evidence of neural transplantation of
human teratocarcinoma cells in stroke patients”
NIH, Bethesda, MD
- 2002 **NIH Fogarty and Japan Society for Promotion of Science
Senior Investigator Fellowship Award**
NIH, Bethesda, MD and Nagoya City University Medical School,
Nagoya, Japan

SCIENTIFIC AND PROFESSIONAL SOCIETIES

Elected Appointments in Professional Societies

Fellow, American Institute for Medical and Biological Engineering

Fellow, American Association for the Advancement of Science

President-Elect, American Society for Neural Transplantation and Repair (2015)

President-Elect, International Placenta Stem Cell Society based in Italy (2009-present)

Treasurer, American Society for Neural Therapy and Repair (2009-2012)

Councilor, American Society for Neural Transplantation and Repair (2003-2006)

President, Philippine Neuroscience Society (2004-2006)

Memberships in Professional Societies

American Institute for Medical and Biological Engineering
American Association for the Advancement of Science
Society for Neuroscience
International Placenta Stem Cell Society
International Behavioral Neuroscience Society
American Society for Neural Transplantation and Repair
American Psychological Association, Division 6
Philippine Neuroscience Society

COMMUNITY ACTIVITIES

Usher, Our Lady of the Bay Church, MacDill Air Force Base,
Tampa (2012-present)
Mentor, Tampa-based High School and Undergraduate Students
for Summer Internships (Note: Over the past 3 years, 3 high
school students got in UPENN, MIT, and Stanford University)
Advocate, Tampa Veterans Reintegration Program via USF-VA
initiatives
Member, Tampa Preparatory School Parents-Teachers Alliance for
Philanthropic activities in downtown Tampa
Mentor, Student Training and Research "STAR" Program for
Minority Undergraduate Students (2002-2008)
Mentor, Paine College Undergraduate Students for Senior Research
Elective (2002-2008)
Lecturer, Mini Medical School Outreach Program for Augusta
Community (2004-2008)
Scientific Advocate, CSRA Wounded Warrior Care Project
(2007-2008)

PRESENTATIONS AT NATIONAL, REGIONAL AND STATE MEETINGS

Scientific Speaking Engagements (Past 5 Years)

- 2014 **Biomedical Genetics Symposium**, Chieti, Italy
Invited Speaker
- 2014 **3rd International Placenta Stem Cell Society**, Granada, Spain
Invited Plenary Speaker
- 2014 **2nd Human Protection Conference**, Palm Beach, Florida
Invited Speaker
- 2014 **10th International Brain Injury Association**, San Francisco
Plenary Speaker

- 2013 **Neuroscience Symposium**, Mayo Clinic, Jacksonville Florida
Invited Speaker
- 2013 **Neurosurgery Grand Rounds**, Loma Linda University
Invited Speaker
- 2013 **Neurosurgery Department**, XuanWu Hospital, Beijing, China
Invited Speaker
- 2013 **Neurosurgery Grand Rounds**, University of Bern, Switzerland
Invited Speaker
- 2013 **12TH Society Meeting**, International Neural Transplantation and Repair,
Cardiff, UK, Speaker
- 2012 **International Placenta Stem Cell Research Symposium**
Speaker, Preclinical Stroke Studies for Cell Therapy
Vienna, Austria
- 2012 **Stem Cell Banking and Therapy**
Speaker, Preclinical Stroke Studies for Cell Therapy
St. Petersburg, Russia
- 2011 **Stem Cell Therapeutics as an Emerging Paradigm 3 (STEPS3)**
Speaker, History of Stem Cell Therapy for Stroke
Washington, DC
- 2011 **Amnion Placenta Stem Cell Research Symposium**
Speaker, Pivotal Preclinical Stroke Studies for Cell Therapy
Chieti, Italy
- 2011 **World Stem Cells & Regenerative Medicine Congress Asia 2011**
Chair, **Rapid proof-of-concept for stem cell therapy clinical trials**
Harbourfront Place, Singapore
- 2011 **Texas for Stem Cell Research Annual Stem Cell Educational Symposium**
Speaker, **Lassoing Stroke with Stem Cells**
Austin, Texas
- 2011 **International Society of Cerebral Blood Flow and Metabolism**
Chair, Stem Cells and Neuroprotection Symposium
Barcelona, Spain
- 2011 **Pan Pacific Stem Cell and Cancer Research**
Speaker, Lab-to-Clinic Stem Cell Research
Tai-chung, Taiwan

- 2011 **Neurosurgery and Stem Cell Symposium**
Speaker, Translational Stem Cell Strategy for Stroke Therapy
Okayama, Japan
- 2011 **Stem Cell Symposium**
Speaker, Stem Cell Therapy for Stroke: Missing in Translation
Mexico City, Mexico
- 2011 **Histology, Anatomy and Physiology Society Regional Conference**
Speaker, Translational Stem Cell Therapy for Neurological Disorders
Sarasota, Florida
- 2010 **Stem Cell Therapeutics as an Emerging Paradigm 2 (STEPS2)**
Speaker, History of Stem Cell Therapy for Stroke
Houston, TX
- 2010 **Annual Meeting of International Placenta Stem Cell Society**
Plenary Speaker, Recent Progress in Amnion Stem Cell Therapy for Stroke
Brescia, Italy
- 2010 **2nd Conference of Institute of Stem Cell Biology**
Invited Plenary Speaker, Cell Therapy for Brain Ischemic Injuries
Gmunden, Austria
- 2009 **USF-VA Veterans Reintegration Program**
Speaker, Traumatic Brain Injury and Stem Cells
Tampa, FL
- 2009 **First Placenta Stem Cell Society Workshop**
Speaker, Amnion Derived Stem Cells for Stroke Therapy
Brescia, Italy
- 2008 **NIH NINDS Translational Workshop**
Speaker, Cell Therapy for Stroke
Washington, DC
- 2008 **Princeton Conference**
Speaker, Cell Therapy for Stroke
Houston, Texas
- 2007 **Georgia Senate Joint Study Committee on the State Stroke System of Care**
Speaker, Status of Stem Cell Therapy for Stroke
Augusta, GA

- 2007 **AHA International Stroke Conference**
Symposium Speaker, Behavioral and Histological Characterization of Variable Transplantation Route, Timing and Dose of Human Bone Marrow-Derived Multipotent Adult Progenitor Cells in Stroke
San Francisco, CA
- 2006 **Neuroprotection for the 21st Century**
Invited Plenary Speaker, Stem cell neuroprotection in stroke
Mexico City, Mexico
- 2006 **4th Catholic International Stem Cell Symposium**
Invited Plenary Speaker, Non-embryonic stem cells and stroke
Seoul, Korea
- 2005 **9th International Conference on Neural Transplantation and Repair**
Invited Plenary Speaker, Cell therapy in stroke
Taipei, Taiwan
- 2005 **Reproductive Stem Cell Biology**
Invited Plenary Speaker, Umbilical Cord Blood Stem Cells for Stroke
Maria Taferl, Austria
- 2004 **12th Annual Conference of American Society for Neural Transplantation and Repair**
Invited Symposium Chair and Plenary Speaker, Ischemia
Clearwater, Florida
- 2004 **24th Collegium Internationale Neuro-Psychopharmacologicum Congress**
Invited Speaker, Hibernation and stroke
Paris, France
- 2003 **Mind, Body, and Cognition**
Plenary Speaker, Stem cell therapy for stroke
Tokyo, Japan
- 2002 **Winter Conference on Brain Research**
Chair, New trends in cellular and gene therapy for neurological disorders
Snowmass, Colorado
- 2002 **Collegium Internationale Neuro-Psychopharmacologicum**
Chair, Cyclosporine-A: An immunosuppressant with neuroprotective properties
Montreal, Canada

Scientific Poster Presentations/Abstracts (>100 From the Past 2 Years Alone)

1. Diana Hernandez-Ontiveros, Naoki Tajiri, Sandra A. Acosta, Mibel Pabon, Kazutaka Shinozuka, Hiroto Ishikawa, Yuji Kaneko, Cesar V. Borlongan. Cd-36 a novel inflammatory marker in traumatic brain injury. The 43th annual meeting of the Society for Neuroscience, San Diego, California, November 9-13, 2013.
2. Mibel Pabon, Naoki Tajiri, Kazutaka Shinozuka, Sandra A. Acosta, Dae Won Kim, Hiroto Ishikawa, Diana Hernandez-Ontiveros, Julie Vasconcellos, Travis Dailey, Christopher Metcalf, Meaghan Staples, Cyrus H. Tamboli, A Briese, Yuji Kaneko, Cesar V. Borlongan. Brain region-specific histopathological effects of varying trajectories of controlled cortical impact injury model of traumatic brain injury. The 43th annual meeting of the Society for Neuroscience, San Diego, California, November 9-13, 2013.
3. Sandra A. Acosta, Naoki Tajiri, Md Shahaduzzaman, Hiroto Ishikawa, Kazutaka Shinozuka, Mibel Pabon, Diana Hernandez-Ontiveros, Dae Won Kim, Christopher Metcalf, Meaghan Staples, Travis Dailey, Julie Vasconcellos, Giorgio Franyuti, Lisa Gould, Nikita Patel, Denise Cooper, Yuji Kaneko, Cesar V. Borlongan, Paula C. Bickford. Intravenous transplants of human adipose-derived stem cell protect the brain from TBI-induced neurodegeneration and motor and cognitive impairments: Cell graft bio-distribution and soluble factors in young and aged rats. The 43th annual meeting of the Society for Neuroscience, San Diego, California, November 9-13, 2013.
4. Naoki Tajiri, Hiroto Ishikawa, Yuji Kaneko, Teresita Malapira, Carmelina Gemma, Fernando Vale, Cesar V. Borlongan. A microRNA profile of reduced mir-34b/c and increased mir-592 in adult epileptic patient-derived brain cells reveals potent disease biomarker and screening tool for transplantable stem cells. 12th International Symposium on Neural Transplantation & Restoration Conference, Cardiff, United Kingdom, September 3-6, 2013.
5. Mibel M. Pabon, Naoki Tajiri, Kazutaka Shinozuka, Sandra A. Acosta, Hiroto Ishikawa, Diana Hernandez-Ontiveros, Julie Vasconcellos, Travis Dailey, Christopher Metcalf, Meaghan Staples, Cyrus H. Tamboli, Yuji Kaneko, Cesar V. Borlongan. Histopathological effects of varying the impact trajectories in experimental model of TBI. 12th International Symposium on Neural Transplantation & Restoration Conference, Cardiff, UK, 2013.
6. Naoki Tajiri, Hiroto Ishikawa, Yuji Kaneko, Teresita Malapira, Carmelina Gemma, Fernando Vale, Cesar V. Borlongan. Reduced hippocampal cell

- loss in epileptic rats after intra-amygdalar transplants of epileptic patients-derived stem cells displaying a microRNA profile of reduced mir-34b/c and increased mir-592. 20th Annual American Society for Neural Therapy and Repair Conference, Clearwater Beach, Florida, April 25-27, 2013.
7. Sandra A. Acosta, Naoki Tajiri, Md Shahaduzzaman, Kazutaka Shinozuka, Hiroto Ishikawa, Christopher Metcalf, Travis Dailey, Giorgio Franyuti, Mibel Pabon, Dae Won Kim, Diana Hernandez-Ontiveros, Julie Vasconcellos, Meaghan Staples, Lisa Gould, Nikita Patel, Denise Cooper, Yuji Kaneko, Cesar V. Borlongan, Paula C. Bickford. Intravenous human adipose stem cell grafts protect the brain from TBI-induced neurodegeneration and motor and cognitive impairments: Biodistribution of hADSCs in young and aged rats. 20th Annual American Society for Neural Therapy and Repair Conference, Clearwater Beach, Florida, April 25-27, 2013.
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 10. Diana Hernandez-Ontiveros, Naoki Tajiri, Sandra A. Acosta, Mibel Pabon, Kazutaka Shinozuka, Hiroto Ishikawa, Yuji Kaneko, Cesar V. Borlongan. CD36-mediated inflammatory response in traumatic brain injury. 20th Annual American Society for Neural Therapy and Repair Conference, Clearwater Beach, Florida, April 25-27, 2013.
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 12. Mibel Pabon, Naoki Tajiri, Kazutaka Shinozuka, Sandra A. Acosta, Dae Won Kim, Hiroto Ishikawa, Diana Hernandez-Ontiveros, Julie

- Vasconcellos, Travis Dailey, Christopher Metcalf, Meaghan Staples, Cyrus H. Tamboli, Yuji Kaneko, Cesar V. Borlongan. Brain region-specific histopathological effects of varying trajectories of controlled cortical impact injury model of traumatic brain injury. 20th Annual American Society for Neural Therapy and Repair Conference, Clearwater Beach, Florida, April 25-27, 2013.
13. Kazutaka Shinozuka, Naoki Tajiri, Hiroto Ishikawa, Yuji Kaneko, Cesar V. Borlongan. Behavioral, physiological, and molecular changes following experimental stroke are socially modulated. 20th Annual American Society for Neural Therapy and Repair Conference, Clearwater Beach, Florida, April 25-27, 2013.
 14. Meaghan Staples, Naoki Tajiri, Travis Dailey, Yusef I. Mosley, Tsz Lau, Harry van Loveren, Seung U. Kim, Tetsumori Yamashima, Takao Yasuhara, Isao Date, Yuji Kaneko, Cesar V. Borlongan. In vivo animal stroke models: a rationale for rodent and nonhuman primate models. 20th Annual American Society for Neural Therapy and Repair Conference, Clearwater Beach, Florida, April 25-27, 2013.
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 17. Naoki Tajiri, Hiroto Ishikawa, Kazutaka Shinozuka, Travis Dailey, Yuji Kaneko, Teresita Malapira, Carmelina Gemma, Fernando Vale, Cesar V. Borlongan. Intra-amygdalar transplantation of epileptic patient-derived stem cells, displaying a microRNA profile of reduced mir-34b/c and increased mir-592, attenuates hippocampal cell loss in epileptic rats: MicroRNA profiling as a biomarker and stem cell screening tool for transplantation therapy in epilepsy. Curing the Epilepsies 2013: Pathways Forward Conference, Bethesda, Maryland, April 17-19, 2013.
 18. Meaghan Staples, Naoki Tajiri, Cesar V. Borlongan. CD36 mediation of the β -amyloid signaled neuro-inflammation following traumatic brain injury. USF 2013 Undergraduate Research and Arts Colloquium, Tampa, Florida, April 17, 2013.

19. Naoki Tajiri, Hiroto Ishikawa, Yuji Kaneko, Teresita Malapira, Carmelina Gemma, Fernando Vale, Cesar V. Borlongan. Utility of microRNA profiling as a biomarker and therapy development for epilepsy. 5th Annual Graduate Student & Post-Doctorate Research Symposium , Tampa, Florida, March 22, 2013.
20. Sandra A. Acosta, Naoki Tajiri, Md Shahaduzzaman, Hiroto Ishikawa, Kazutaka Shinozuka, Mibel Pabon, Diana Hernandez-Ontiveros, Dae Won Kim, Christopher Metcalf, Meaghan Staples, Travis Dailey, Julie Vasconcellos, Giorgio Franyuti, Lisa Gould, Nikita Patel, Denise Cooper, Yuji Kaneko, Cesar V. Borlongan, Paula C. Bickford. Intravenous human adipose stem cell grafts protect from traumatic brain injury. 5th Annual Graduate Student & Post-Doctorate Research Symposium , Tampa, Florida, March 22, 2013.
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25. Yuji Kaneko, Naoki Tajiri, Tsung-Ping Su, Yun Wang, Cesar V. Borlongan. Combination treatment of moderate hypothermia and mesenchymal stem cells amplifies neuroprotection in experimental hypoxic-ischemic injury: involvement of the opioid system. 23rd Annual USF Health Research Day 2013, Tampa, Florida, February 22, 2013.
26. Mibel Pabon, Naoki Tajiri, Kazutaka Shinozuka, Sandra A. Acosta, Dae Won Kim, Hiroto Ishikawa, Diana Hernandez-Ontiveros, Julie Vasconcellos, Travis Dailey, Christopher Metcalf, Meaghan Staples, Cyrus Tamboli, Yuji Kaneko, Cesar V. Borlongan. Brain region-specific histopathological effects of varying the trajectories of controlled cortical impact (CCI) model of traumatic brain injury. 23rd Annual USF Health Research Day 2013, Tampa, Florida, February 22, 2013.
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29. Kazutaka Shinozuka, Naoki Tajiri, Hiroto Ishikawa, Yuji Kaneko, Cesar V. Borlongan. Social modulation of behavioral, physiological, and molecular changes following experimental stroke. 23rd Annual USF Health Research Day 2013, Tampa, Florida, February 22, 2013.
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31. Dae Won Kim, Naoki Tajiri, Hiroto Ishikawa, Kazutaka Shinozuka, Sandra A. Acosta, Mibel Pabon, Cesar V. Borlongan. Stem cells are finally starting to jell. 23rd Annual USF Health Research Day 2013, Tampa, Florida, February 22, 2013.
32. Christopher Metcalf, Yuji Kaneko, Naoki Tajiri, Cesar V. Borlongan. Review of Melatonin and Neuroprotection in Stroke. 23rd Annual USF Health Research Day 2013, Tampa, Florida, February 22, 2013.

33. Naoki Tajiri, Hiroto Ishikawa, Yuji Kaneko, Teresita Malapira, Carmelina Gemma, Fernando Vale, Cesar V. Borlongan. Reduced hippocampal cell loss in epileptic rats after intra-amygdalar transplants of epileptic patients-derived stem cells displaying a microRNA profile of reduced mir-34b/c and increased mir-592. 20th Annual American Society for Neural Therapy and Repair Conference, Clearwater Beach, Florida, April 25-27, 2013.
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60. Sandra A. Acosta, Naoki Tajiri, Kazutaka Shinozuka, Hiroto Ishikawa, Bethany Grimmig, David Diamond, Paul R. Sanberg, Paula C. Bickford, Yuji Kaneko, Cesar V. Borlongan. Long-term upregulation of inflammation and suppression of cell proliferation, but not neuronal differentiation, in the brain of adult rats exposed to traumatic brain injury using the controlled cortical impact model. USF 2012 Postdoctoral Research Colloquium, Tampa, Florida, November 15, 2012.
61. Cesar V. Borlongan, Loren E. Glover, Yuji Kaneko, Naoki Tajiri, Teresita Malapira, Carmelina Gemma, Fernando Vale. MicroRNA, RT-PCR and immunocytochemical profiling of human temporal lobe epilepsy brain reveals an upregulation of miR-34b/c and a downregulation of miR-592 in the hippocampus and amygdala compared to the neocortex. The 42th annual meeting of the Society for Neuroscience, New Orleans, 2012.
62. K.L. Hayama, Cesar V. Borlongan, Loren E. Glover, Naoki Tajiri, Yuji Kaneko, D.M. Quach, S. Wu, D. Lee, T. Lam, M.P. Hefferan, T.G. Hazel, K. Johe, M.C. Wu. Histopathological assessment of adult ischemic rat brains after intracerebral transplantation of NSI-566RSC cell line. The 42th annual meeting of the Society for Neuroscience, New Orleans, 2012.
63. Mibel Pabon, Aric Frisina-Deyo, Naoki Tajiri, Yuji Kaneko, Cesar V. Borlongan, Svitlana Garbuzova-Davis. Autophagosome expression in cerebral capillary endothelial cells in acute and sub-acute ischemic rat model of MCAO. The 42th annual meeting of the Society for Neuroscience, New Orleans, 2012.
64. Sandra A. Acosta, Loren E. Glover, Bethany Grimmig, Naoki Tajiri, Yuji Kaneko, Kazutaka Shinozuka, Hiroto Ishikawa, Lourdes Cortes, Christopher Metcalf, David Diamond, Paul R. Sanberg, Paula C. Bickford, Cesar V. Borlongan. Long-term upregulated inflammation and suppressed neurogenesis in the brain of adult rats exposed to traumatic brain injury using the controlled cortical impact model. The 42th annual meeting of the Society for Neuroscience, New Orleans, 2012.
65. Naoki Tajiri, Sandra Acosta, Marianna A. Solomita, Ivana Antonucci, Liborio Stuppia, Loren E. Glover, Paula C. Bickford, Alejandra Jacotte Simancas, Margalida Coll, Takao Yasuhara, Isao Date, Yuji Kaneko, Cesar V. Borlongan. Intravenously administered amniotic fluid-derived neural progenitor cells induce endogenous cell proliferation and ameliorate behavioral deficits in ischemic stroke rats. International Society for Stem Cell Research 10th annual meeting, Yokohama, Japan, June 13-16, 2012.

66. Kazutaka Shinozuka, Naoki Tajiri, Nathan Weinbren, Loren E. Glover, Yuji Kaneko, Cesar V. Borlongan. A painful experience in stroke: Characterization of behavioral and cellular stress correlates in adult rats exposed to experimental stroke. International Society for Stem Cell Research 10th annual meeting, Yokohama, Japan, June 13-16, 2012.
67. Loren E. Glover, Naoki Tajiri, Jared Ehrhart, Jun Tan, Yuji Kaneko, Cesar V. Borlongan. Suppressed cytokine expression in neonatal rat brains immediately following traumatic brain injury indicates a rapid endogenous anti-inflammatory response. International Society for Stem Cell Research 10th annual meeting, Yokohama, Japan, June 13-16, 2012.
68. Hiroto Ishikawa, Kazutaka Shinozuka, Naoki Tajiri, Loren E. Glover, Julie Vasconcellos, Amora Mayo-Perez, Christopher Metcalf, Yuji Kaneko, Hong J. Lee, Seung U. Kim, Cesar V. Borlongan. Robust neurogenic and vasculogenic expression accompanies functional effects of human cerebral endothelial cell transplantation in stroke animals. International Society for Stem Cell Research 10th annual meeting, Yokohama, Japan, June 13-16, 2012.
69. Naoki Tajiri, Loren E. Glover, Toru Shimizu, Gary W. Arendash, Cesar V. Borlongan. Traumatic brain injury expedites beta-amyloid accumulations in the cortex and hippocampus of Alzheimer's disease transgenic mice. USF Health 2012 Neuroscience Research Day, Tampa, Florida, June 1, 2012.
70. Yuji Kaneko, Naoki Tajiri, Loren E. Glover, Cesar V. Borlongan. Cyclosporine A (CsA) treatment abrogates ischemia-induced neuronal cell death by preserving mitochondrial function by upregulating the Parkinson's disease protein DJ-1. USF Health 2012 Neuroscience Research Day, Tampa, Florida, June 1, 2012.
71. Hiroto Ishikawa, Naoki Tajiri, Kazutaka Shinozuka, Loren E. Glover, Julie Vasconcellos, Amora Mayo-Perez, Christopher Metcalf, Yuji Kaneko, Seung U. Kim, Cesar V. Borlongan. Correlation between vasculogenesis and neurogenesis in stroke animals post human cerebral endothelial cell transplantation. USF Health 2012 Neuroscience Research Day, Tampa, Florida, June 1, 2012.
72. Kazutaka Shinozuka, Naoki Tajiri, Nathan Weinbren, Yuji Kaneko, Cesar V. Borlongan. The face of stress in stroke: Pain response and DNA damage in the thymus of adult rats exposed to experimental stroke. USF Health 2012 Neuroscience Research Day, Tampa, Florida, June 1, 2012.

73. Sandra A. Acosta, Loren E. Glover, Bethany Grimmig, Naoki Tajiri, Yuji Kaneko, Kazutaka Shinozuka, Hiroto Ishikawa, Lourdes Cortes, Christopher Metcalf, David Diamond, Paul R. Sanberg, Paula C. Bickford, Cesar V. Borlongan. Long-term upregulated inflammation and suppressed neurogenesis in the brain of adult rats exposed to traumatic brain injury using the controlled cortical impact model. USF Health 2012 Neuroscience Research Day, Tampa, Florida, June 1, 2012.
74. Loren E. Glover, Naoki Tajiri, Jun Tan, Yuji Kaneko, Cesar V. Borlongan. Neonatal rat brain mounts a rapid endogenous anti-inflammatory response following traumatic brain injury. USF Health 2012 Neuroscience Research Day, Tampa, Florida, June 1, 2012.
75. Amora Mayo-Perez, Yuji Kaneko, Naoki Tajiri, Loren E. Glover, Cesar V. Borlongan. Temperature-dependent hypothermia reduces mitochondrial dysfunction after neonatal encephalopathy. USF Health 2012 Neuroscience Research Day, Tampa, Florida, June 1, 2012.
76. Christopher Metcalf, Julie Vasconcellos, Hiroto Ishikawa, Naoki Tajiri, Kazutaka Shinozuka, Loren E. Glover, Amora Mayo-Perez, Yuji Kaneko, Cesar V. Borlongan. Evidence of cardiac myocyte cell death following an ischemic stroke. USF Health 2012 Neuroscience Research Day, Tampa, Florida, June 1, 2012.
77. Cyrus H. Tamboli, Naoki Tajiri, Loren E. Glover, Sandra A. Acosta, Paula C. Bickford, Marianna A. Solomita, Nathan L. Weinbren, Ivana Antonucci, Liborio Stuppia, Yuji Kaneko, Takao Yasuhara, Isao Date, Cesar V. Borlongan. Intravenous grafts of amniotic fluid-derived neural progenitor cells induce endogenous cell proliferation and ameliorate behavioral deficits in ischemic stroke rats. USF Health 2012 Neuroscience Research Day, Tampa, Florida, June 1, 2012.
78. Naoki Tajiri, Loren E. Glover, Toru Shimizu, Gary W. Arendash, Cesar V. Borlongan. Traumatic brain injury expedites beta-amyloid accumulations in the cortex and hippocampus of Alzheimer's disease transgenic mice. 19th Annual American Society for Neural Therapy and Repair Conference, Clearwater Beach, Florida, April 26-28, 2012.
79. Loren E. Glover, Naoki Tajiri, Jared Ehrhart, Jun Tan, Yuji Kaneko, Cesar V. Borlongan. Suppressed cytokine expression in brains of neonatal rats immediately following traumatic brain injury suggests robust endogenous anti-inflammatory process. 19th Annual American Society for Neural Therapy and Repair Conference, Clearwater Beach, Florida, April 26-28, 2012.
80. Kazutaka Shinozuka, Naoki Tajiri, Nathan Weinbren, Yuji Kaneko, Cesar V. Borlongan. The face of stress in stroke: Pain response and DNA damage

- in the thymus of adult rats exposed to experimental stroke. 19th Annual American Society for Neural Therapy and Repair Conference, Clearwater Beach, Florida, April 26-28, 2012.
81. Hiroto Ishikawa, Kazutaka Shinozuka, Naoki Tajiri, Loren E. Glover, Julie Vasconcellos, Amora Mayo-Perez, Christopher Metcalf, Yuji Kaneko, Seung U. Kim, Cesar V. Borlongan. Assessing the safety of human cerebral endothelial cell transplantation in stroke animals with emphasis on the mechanism of action. 19th Annual American Society for Neural Therapy and Repair Conference, Clearwater Beach, Florida, April 26-28, 2012.
 82. Cyrus H. Tamboli, Naoki Tajiri, Loren E. Glover, Sandra A. Acosta, Paula C. Bickford, Marianna A. Solomita, Ivana Antonucci, Liborio Stuppia, Yuji Kaneko, Takao Yasuhara, Isao Date, Cesar V. Borlongan. Intravenous grafts of amniotic fluid-derived neural progenitor cells induce endogenous cell proliferation and ameliorate behavioral deficits in ischemic stroke rats. USF 2012 Undergraduate Research and Arts Colloquium, Tampa, Florida, April 18, 2012.
 83. Naoki Tajiri, Sandra Acosta, Marianna A. Solomita, Ivana Antonucci, Liborio Stuppia, Loren E. Glover, Paula C. Bickford, Alejandra Jacotte Simancas, Margalida Coll, Takao Yasuhara, Isao Date, Yuji Kaneko, Cesar V. Borlongan. Amniotic fluid-derived neural progenitor cells administered intravenously abrogate behavioral deficits and induce endogenous cell proliferation in ischemic stroke rats. The 8th Asia Pacific Symposium on Neural Regeneration in conjunction with the 5th Pan Pacific Symposium on Stem Cells and Cancer Research & the 1st Cross-Strait Biotechnology Forum Conference, Taipei, Taiwan, April 13-15, 2012.
 84. Cesar V. Borlongan, Naoki Tajiri, Hiroto Ishikawa, Kazutaka Shinozuka, Loren E. Glover, Yuji Kaneko. Translation of stem cell therapy for stroke from lab to clinic: The need for mechanism of action investigation to reveal optimal transplant regimen. The 8th Asia Pacific Symposium on Neural Regeneration in conjunction with the 5th Pan Pacific Symposium on Stem Cells and Cancer Research & the 1st Cross-Strait Biotechnology Forum Conference, Taipei, Taiwan, April 13-15, 2012.
 85. Loren E. Glover, Naoki Tajiri, Jared Ehrhart, Jun Tan, Yuji Kaneko, Cesar V. Borlongan. Suppressed cytokine expression immediately following traumatic brain injury in neonatal rats indicates an expeditious endogenous anti-inflammatory response. The 8th Asia Pacific Symposium on Neural Regeneration in conjunction with the 5th Pan Pacific Symposium on Stem Cells and Cancer Research & the 1st Cross-Strait Biotechnology Forum Conference, Taipei, Taiwan, April 13-15, 2012.

86. Kazutaka Shinozuka, Naoki Tajiri, Nathan Weinbren, Loren E. Glover, Yuji Kaneko, Cesar V. Borlongan. Characterization of behavioral and cellular stress in adult rats exposed to experimental stroke. The 8th Asia Pacific Symposium on Neural Regeneration in conjunction with the 5th Pan Pacific Symposium on Stem Cells and Cancer Research & the 1st Cross-Strait Biotechnology Forum Conference, Taipei, Taiwan, April 13-15, 2012.
87. Hiroto Ishikawa, Naoki Tajiri, Kazutaka Shinozuka, Loren E. Glover, Julie Vasconcellos, Amora Mayo-Perez, Christopher Metcalf, Yuji Kaneko, Seung U. Kim, Cesar V. Borlongan. A dual pronged regenerative process in stroke animals after human cerebral endothelial cell transplantation. The International Conference on HEART & BRAIN 2012, Paris, France, March 1-3, 2012.
88. Naoki Tajiri, Yuji Kaneko, Loren E. Glover and Cesar V. Borlongan. Combination treatment of moderate hypothermia and mesenchymal stem cell amplifies neuroprotection in vitro model of hypoxic-ischemic injury: relevance to neonatal encephalopathy. 22nd Annual USF Health Research Day 2012, Tampa, Florida, February 24, 2012.
89. Yuji Kaneko, Naoki Tajiri, Loren E. Glover, and Cesar V. Borlongan. Cyclosporine A treatment abrogates ischemia-induced neuronal cell death by preserving mitochondrial function by upregulating the Parkinson's disease protein DJ-1. 22nd Annual USF Health Research Day 2012, Tampa, Florida, February 24, 2012.
90. Loren E. Glover, Naoki Tajiri, Jared Ehrhart, Jun Tan, Yuji Kaneko, Cesar V. Borlongan. Neonatal rat brain mounts a rapid endogenous anti-inflammatory response following traumatic brain injury. 22nd Annual USF Health Research Day 2012, Tampa, Florida, February 24, 2012.
91. Kazutaka Shinozuka, Naoki Tajiri, Nathan Weinbren, Yuji Kaneko, Cesar V. Borlongan. Stress and DNA damage in experimental stroke. 22nd Annual USF Health Research Day 2012, Tampa, Florida, February 24, 2012.
92. Loren E. Glover, Naoki Tajiri, Tsz Lau, Yuji Kaneko, Harry van Loveren, Cesar V. Borlongan. Immediate, but not delayed, microsurgical skull reconstruction exacerbates brain damage in experimental traumatic brain injury model. 22nd Annual USF Health Research Day 2012, Tampa, Florida, February 24, 2012.
93. Amora Mayo-Perez, Yuji Kaneko, Naoki Tajiri, Loren E. Glover, Cesar V. Borlongan. Temperature-dependent hypothermia reduces mitochondrial dysfunction after neonatal encephalopathy. 22nd Annual USF Health Research Day 2012, Tampa, Florida, February 24, 2012.

94. Cyrus H. Tamboli, Naoki Tajiri, Loren E. Glover, Sandra A. Acosta, Paula C. Bickford, Marianna A. Solomita, Ivana Antonucci, Liborio Stuppia, Yuji Kaneko, Takao Yasuhara, Isao Date, Cesar V. Borlongan. Intravenous grafts of amniotic fluid-derived neural progenitor cells induce endogenous cell proliferation and ameliorate behavioral deficits in ischemic stroke rats. 22nd Annual USF Health Research Day 2012, Tampa, Florida, February 24, 2012.
95. Julie Vasconcellos, Hiroto Ishikawa, Naoki Tajiri, Kazutaka Shinozuka, Loren E. Glover, Amora Mayo-Perez, Christopher Metcalf, Peter G. Mavronicolas, Yuji Kaneko, Cesar V. Borlongan. Evidence of cardiomyocyte cell death following cerebrovascular accident. 22nd Annual USF Health Research Day 2012, Tampa, Florida, February 24, 2012.
96. Naoki Tajiri, Loren E. Glover, S. Leilani Kellogg, Gary W. Arendash, Toru Shimizu, and Cesar V. Borlongan. Traumatic brain injury accelerates Alzheimer's disease-like behavioral and histological pathologies in transgenic mice. 2012 National Academy of Inventors Inaugural Annual Conference, Tampa, Florida, February 16-17, 2012.
97. Hiroto Ishikawa, Naoki Tajiri, Kazutaka Shinozuka, Loren E. Glover, Julie Vasconcellos, Amora Mayo-Perez, Christopher Metcalf, Yuji Kaneko, Seung U. Kim, Cesar V. Borlongan. Correlation between vasculogenesis and neurogenesis in stroke post human cerebral endothelial cell transplantation. 2012 National Academy of Inventors Inaugural Annual Conference, Tampa, Florida, February 16-17, 2012.
98. Kazutaka Shinozuka, Nathan Weinbren, Naoki Tajiri, Yuji Kaneko, and Cesar V. Borlongan. Empathy in stroke rats: Cage mates do matter in post-stroke recovery!. 2012 National Academy of Inventors Inaugural Annual Conference, Tampa, Florida, February 16-17, 2012.
99. Naoki Tajiri, Yuji Kaneko and Cesar V. Borlongan. Cyclosporine A treatment abrogates ischemia-induced neuronal cell death by preserving mitochondrial function via upregulating of the Parkinson's disease protein DJ-1. The International Stroke Conference 2012, New Orleans, Louisiana, February 1-3, 2012.
100. Naoki Tajiri, Yuji Kaneko and Cesar V. Borlongan. Cyclosporine A treatment abrogates ischemia-induced neuronal cell death by preserving mitochondrial function by upregulating the Parkinson's disease protein DJ-1. The International Stroke Conference 2012, New Orleans, Louisiana, February 1-3, 2012.

Selected Scientific Oral Presentations In Recent Years

- 2014 **C.V. Borlongan (Invited Chair and Plenary Speaker)**. Amniocentesis-derived stem cells and GDF-11: Age matters! International Placenta Stem Cell Society. Granada, Spain
- 2014 **C.V. Borlongan (Workshop Speaker)**. Follow the money – Reinventing your science to cater to NIH, VA, DOD and beyond. American Society for Neural Transplantation and Repair. Clearwater, Florida
- 2014 **C.V. Borlongan (Plenary Speaker)**. Selective inhibitors of XPO1 mediated nuclear export (SINE) exert robust therapeutic benefits in traumatic brain injury models. World Congress on Brain injury. San Francisco, California.
- 2013 **C.V. Borlongan (Invited Symposium Speaker)**. Neural Transplantation in Stroke, TBI, and Other Neurological Disorders – Lessons Learned Over the Last Two Decades. University of Bern, Switzerland.
- 2013 **C.V. Borlongan (Co-Chair and Plenary Speaker)**. Imaging in Cell Therapy: Tracking of Grafted Cells in CNS Disorders. 12th International Neural Transplantation and Repair. Cardiff, UK.
- 2012 **C.V. Borlongan (Invited Plenary Speaker)**. The Need for a Multidisciplinary Approach in Translating Stem Cell Therapy from the Lab to the Clinic. Chinese National Academy of Neurology. Nanjing, China.
- 2012 **C.V. Borlongan (Invited Plenary Speaker)**. Stem Cell Biology and Therapeutic Applications of Human Umbilical Cord Blood Stem Cells St. Petersburg, Russia.
- 2011 **C.V. Borlongan (Symposium Speaker)**. The Expanding Universe of Stem Cell Sources for Stroke. STEPS 3. Washington, DC.
- 2011 **C.V. Borlongan (Grand Rounds)**. The Missing Link in the Translation of Stem Cell Therapy for Stroke from the Lab to the Clinic. Burke Medical Research Institute, Cornell University.
- 2011 **C.V. Borlongan (Plenary Speaker)**. Lost in Translation: Stem Cell Therapy for Stroke. China Neurological Society, Nanjing China.
- 2011 **C.V. Borlongan (Master Class Leader)**. Workshop in World Stem Cell Therapy: The Academia, The Industry, and The Regulatory Board. Singapore.

- 2011 **C.V. Borlongan (Chair)**. Neuroprotection, CNS repair and neurogenesis". International Symposium on Cerebral Blood Flow, Metabolism. Barcelona, Spain.
- 2011 **C.V. Borlongan (Symposium Speaker)**. A bone head approach to cell therapy for stroke. Texans for Stem Cell Research. Dallas, Texas.
- 2011 **C.V. Borlongan (Plenary Speaker)**. Translational Research Medicine in Cell Therapy for Stroke. Histology and Anatomical Physiology Society Annual Meeting. Sarasota, Florida.
- 2011 **C.V. Borlongan (Plenary Speaker)**. Stroke Therapy Needs a T-Bone for Transplantation of Bone Marrow-Derived Stem Cells. 4th Pan Pacific Symposium on Stem Cells Research. Taichung ,Taiwan.
- 2011 **C.V. Borlongan (Grand Rounds)**. The USF Experience in Cell Therapy for Stroke from the Lab to the Clinic. Okayama Medical University. Okayama, Japan.
- 2011 **C.V. Borlongan (Grand Rounds)**. If It Does Not Translate to the Clinic, Then There is a Disconnect in Laboratory Science. Are we ready for Clinical Trials of Cell Therapy. Keio University. Tokyo, Japan.
- 2011 **C.V. Borlongan (Webinar Key Speaker)**. "The Quest for Foundation & Private Funding: 3 Key Strategies Every PI Should Know". PrincipallInvestigators.org Naples, Florida.
- 2010 **C.V. Borlongan**. Recent Progress in Amnion Stem Cell Therapy for Stroke Annual Meeting of International Placenta Stem Cell Society. Brescia, Italy.
- 2010 **C.V. Borlongan**. Cell Therapy for Brain Ischemic Injuries. 2nd Conference of Institute of Stem Cell Biology. Gmunden, Austria
- 2010 Tajiri N, Y Kaneko, SJ Yu, EC Bae, **C.V. Borlongan**. DJ-1 ameliorates neuronal cell death in ischemic stroke via mitochondrial pathway. Society for Neuroscience, San Diego, CA.
- 2010 H Shojo, Y Kaneko, N Adachi, **C.V. Borlongan**. Traumatic brain injury-induced apoptosis in the rat cerebral cortex following moderate fluid percussion injury: A target for therapeutic intervention 17th ASNTR. Clearwater, FL.
- 2009 **C.V. Borlongan**. Traumatic Brain Injury and Stem Cells. USF Veterans Reintegration Initiative. Tampa, FL.

- 2009 **C.V. Borlongan.** NIH Grant Writing: The Do's and Don't's. USF Research and Innovation One. Tampa, FL.
- 2009 **C.V. Borlongan.** What have we learned from amnion-derived cells as graft source for cell therapy in stroke. Workshop in Placenta Stem Cell Society. Brescia, Italy.
- 2008 **C.V. Borlongan.** MAPC transplantation in stroke: Our NIH UO1 experience. NIH NINDS Translational Workshop, Washington, DC.
- 2007 **C.V. Borlongan,** T. Yasuhara, N. Matsukawa, K. Hara, G. Yu, L. Xu, J.E. Carroll, D.C. Hess, R.J. Deans, R.W. Mays. Optimizing Route of Administration, Timing of Delivery and Dosing of Human Bone Marrow-Derived Multipotent Adult Progenitor Cells in an Experimental Stroke Model by Behavioral and Histological Analyses. AHA International Stroke Meeting. San Francisco, CA.
- 2006 D.C. Hess, T. Yasuhara, N. Matsukawa, K. Hara, G. Yu, L. Xu, R.W. Mays, R.J. Deans, J.E. Carroll, **C.V. Borlongan.** Minimally Invasive Intravenous Delivery of Human Bone Marrow-Derived Multipotent Adult Progenitor Cells Leads to Engraftment and Host Cell Loss Reduction in the Ischemic Brain, and Stable Behavioral Recovery in Experimental Stroke. Rome, Italy.
- 2006 D.C. Hess, T. Yasuhara, N. Matsukawa, K. Hara, G. Yu, L. Xu, R.W. Mays, R.J. Deans, J.E. Carroll, **C.V. Borlongan.** Transplantation Of Bone Marrow-Derived Multipotent Progenitor Cells In Adult and Neonatal Models of Ischemic Injury. 2006 American Academy of Neurology. San Diego, CA.

PUBLICATIONS IN REFEREED JOURNALS

1. **Borlongan, C.V.**, & Watanabe, S. Failure to discriminate conspecifics in amygdaloid lesioned mice. Pharmacology, Biochemistry & Behavior, 3:677-680, 1994.
2. Koutouzis, T.K., **Borlongan, C.V.**, Scoria, T., Creese, I., Cahill, D.W., Freeman, T.B., & Sanberg, P.R. Systemic 3-nitropropionic acid: effects on locomotor behavior. Brain Research, 646:242-246, 1994.
3. Koutouzis, T.K., Emerich, D., **Borlongan, C.V.**, Freeman T.B., Cahill D.W., & Sanberg P.R. Cell Transplantation for Central Nervous System Disorders. Critical Reviews in Neurobiology, 3:125-162, 1994.
4. Koutouzis, T.K., **Borlongan, C.V.**, Cahill, D.W., Freeman, T.B., & Sanberg, P.R. Intrastratial 3-nitropropionic acid: A behavioral assessment. NeuroReport, 5:2241-2245, 1994.
5. **Borlongan, C.V.**, Cahill, D.W., Freeman, T.B., & Sanberg, P.R. Recent advances in Neural Transplantation: Relevance to Neurodegenerative disorders. Journal of Florida Medical Association, 10:689-694, 1994.
6. **Borlongan, C.V.**, Koutouzis, T.K., Cahill, D.W., Freeman, T.B., & Sanberg, P.R. Systemic 3-nitropropionic acid: behavioral deficits and striatal damage in rats. Brain Research Bulletin, 36: 549-556, 1995.
7. **Borlongan, C.V.**, Freeman, T.B., Scoria, T., Sherman, K., Cahill, D.W., Olanow, C.W., & Sanberg, P.R. Cyclosporine-A increases spontaneous and dopamine-agonist locomotor activity. Cell Transplantation, 1: 65-73, 1995.
8. **Borlongan, C.V.**, Randall, T.S., Cahill, D.W., & Sanberg, P.R. Asymmetrical motor behavior in rats with striatal lesions as revealed by the elevated body swing test. Brain Research, 676:231-234, 1995.
9. **Borlongan, C.V.**, & Sanberg, P.R. Microtransplantation of nigral dopamine neurons in a rat model of Parkinson's disease. Cell Transplantation, 4:347-350, 1995.
10. **Borlongan, C.V.**, & Sanberg, P.R. Functional neural transplantation by Stephen Dunnett & Anders Björklund. Quarterly Reviews of Biology, 70:245-246, 1995.
11. Watanabe, S., Inada, S., & **Borlongan, C.V.** Factor of familiarity in sibling recognition in golden hamsters. Journal of Ethology, 13:17-22, 1995.
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13. **Borlongan, C.V.,** Martinez, R., & Sanberg, P.R. Striatal dopamine-mediated catalepsy and locomotor activity in rats with occluded middle cerebral artery. Pharmacology, Biochemistry & Behavior, 52:225-229, 1995.
14. **Borlongan, C.V.,** & Watanabe, S. Rapid assessment of stimulus properties of morphine. Pharmacology Letters (Accelerated Communication), Life Sciences, 57:171-174, 1995.
15. *****Borlongan, C.V.,** & Sanberg, P.R. Elevated body swing test: A new behavioral parameter for rats with 6-hydroxydopamine-induced hemiparkinsonism. Journal of Neuroscience, 15:5372-5378, 1995.
16. **Borlongan, C.V.,** Cahill D.W. & Sanberg, P.R. Locomotor and passive avoidance deficits following occlusion of the middle cerebral artery. Physiology & Behavior, 58:909-917, 1995.
17. Freeman, T.B., Olanow, C.W., Hauser, R.A., Nauert, G. M., Smith, D.A., **Borlongan, C.V.,** Sanberg, P.R., Snow, B., Vingerhoets, F.J.G., Calne, D., & Gauger, L.L. Bilateral fetal nigral transplantation into the postcommisural putamen as a treatment for Parkinson's disease: Six month follow-up. Annals of Neurology, 38:379-388, 1995.
18. Shytle, R.D., **Borlongan, C.V.,** & Sanberg, P.R. Nicotine blocks kainic acid-induced wet dog shakes. Neuropsychopharmacology, 13: 261-264, 1995.
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21. **Borlongan, C.V.,** Shytle, R.D., & Sanberg, P.R. Nicotine protects against systemic kainic acid-induced excitotoxic effects. Experimental Neurology, 136:261-265, 1995.
22. **Borlongan, C.V.,** Koutouzis, T.K., Cahill, D.W., Freeman, T.B., & Sanberg, P.R. The progressive behavioral pathology in Huntington's disease as revealed by repeated systemic 3-nitropropionic acid injections. Brain Research, 697:254-257, 1995.

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24. **Borlongan, C.V.,** Polgar, S., Freeman, T.B., Hauser, R.A., Cahill, D.W. & Sanberg, P.R. Will fetal striatal transplants correct the akinetic end-stage of Huntington's Disease? Neurodegeneration, 5:189-195, 1996.
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30. **Borlongan, C.V.,** & Watanabe, S. Footshock facilitates assessment of stimulus properties of morphine. Life Sciences, 61:1045-1049, 1997.
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Note: ***Asterisks denote representative major publications.

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