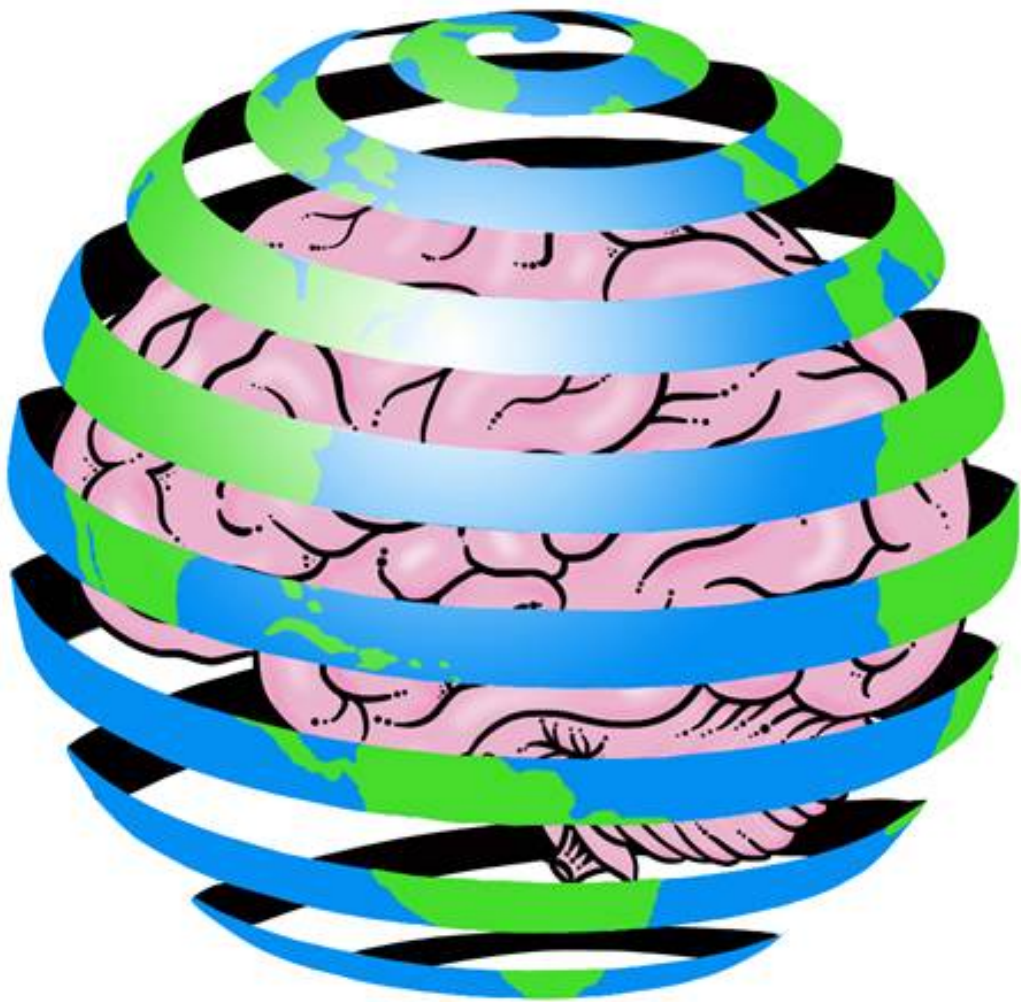


INTR-15



ASNTR – 25

April 25-28th
Clearwater Beach, FL

Conference Agenda

Wednesday, April 25th 2018

01:00 pm to 04:00 pm

Workshop – Travel Award Winners

“Techniques in Neural Repair - Know How Do How”

Chair: Fredric Manfredsson

- Fredric Manfredsson, Ph.D., Dept. of Translational Science & Molecular Medicine, Michigan State University, Grand Rapids: Gene Therapy Modalities
- Ivette M. Sandoval, Ph.D., Dept. of Translational Science & Molecular Medicine, Michigan State University, Grand Rapids: CRISPR/Cas9 Technology. What is the big deal?
- Anthony R. West, Ph.D., Department of Neuroscience, Rosalind Franklin University of Medicine and Science, North Chicago: Neurophysiological approaches for the study of neuropharmacological and genetic manipulations
- Lalitha Madhavan, M.D., Ph.D, Department of Neurology, Evelyn F McKnight Brain Institute, Bio5 Institute, & The Center for Innovation in Brain Science, University of Arizona, Tucson: iPSC technology: Breaking new ground

04:00 pm to 06:00 pm

Conference Registration

04:30 pm to 05:00 pm

"The Grants Funding Process at NINDS" - Diana Cummings

05:00 pm to 06:00 pm

Presidential Lecture – S. Thomas Carmichael, UCLA Neural “Repair after Stroke: Novel biomaterials and specialized iPSC cells”

06:30 pm to 08:00 pm

Poolside Welcome Reception (Cash Bar) - Salsa Social

Conference Agenda

Thursday, April 26th 2018

Inflammation and the Neurovascular Microenvironments

Chairs: Walter Low & Agnes Luo

8:30 am – 9:45 am

- RESOLVIN E1 REDUCES INFLAMMATION AND ENHANCES MEMORY IN THE TS65DN MOUSE MODEL OF DOWN SYNDROME
E. Hamlett, X. Wang, A. Ledreux, E. Hjorth, A.-C. Granholm, M. Schultzberg (Travel Award Winner)
- POLYPHENOL SUPPLEMENTATION REVERSES AGE-RELATED MICROGLIAL DECLINE VIA RICTOR-DEPENDENT RAC1/CDC42 SIGNALING
A. Jalloh, C. Hudson, S. Stevens, P.C. Bickford (Travel Award Winner)
- DIFFERENTIAL CLEAVAGE OF THE CHEMOKINE FRACTALKINE ALTERS ITS EFFECT ON PRIMARY MICROGLIA
D.J. Finneran, D. Morgan, K.R. Nash (Travel Award Winner)
- HEMATOPOIETIC GROWTH FACTORS ENHANCE AMYLOID BETA CLEARANCE THROUGH BONE MARROW-DERIVED MONOCYTES/MACROPHAGES
L.-R. Zhao – SUNY Upstate Medical University
- LEWY BODY-LIKE ALPHA-SYNUCLEIN INCLUSIONS TRIGGER REACTIVE MICROGLIOSIS PRIOR TO NIGRAL DEGENERATION
M.F. Duffy, T.J. Collier, K.C. Luk, M.G. Tansey, K.L. Paumier, J.R. Patterson, D.L. Fischer, N.K. Polinski, C.J. Kemp, J.J. Chang, J.W. Howe, C.E. Sortwell (Travel Award Winner)

Hitting a Moving Target - Halting Neurodegeneration

Thursday, April 26th 2018

10:15 am – 12:00 pm

Chairs: Tim Collier & Kyle Fink

- INTRACEREBRAL GENE THERAPY IN PATIENTS WITH PARKINSON'S DISEASE
J. Heiss – NIH
- VIRAL VECTOR-MEDIATED α -SYNUCLEIN OVEREXPRESSION RAT MODELS OF PARKINSONIAN AND CEREBELLAR VARIANTS OF MULTIPLE SYSTEM ATROPHY
D.J. Marmion, R.J. Mandel, D. Kirik, Y. Chu, T.J. McCown, S.J. Gray, J. H. Kordower (Travel Award Winner)
- ROLE OF CDNF IN SOD1-G93A MOUSE MODEL OF AMYOTROPHIC LATERAL SCLEROSIS
M.H. Voutilainen – University of Helsinki
- ADVANCING STEM CELL THERAPY FOR REPAIR OF BLOOD-SPINAL CORD BARRIER IN SYMPTOMATIC ALS MICE
S. Garbuzova-Davis – University of South Florida
- GRAFT-HOST SYNAPTIC CONNECTIVITY CAN BE OPTOGENETICALLY OR CHEMOGENETICALLY INHIBITED TO ELIMINATE GRAFT-INDUCED DYSKINESIAS (GID) WITHOUT LOSING ANTI-PARKINSONIAN BENEFITS
T. Subramanian – Penn State University College of Medicine
- PRECLINICAL EVALUATION OF IPSC-DERIVED MIDBRAIN DOPAMINERGIC NEURONS FOR PARKINSON'S DISEASE
M.E. Emborg – University of Wisconsin-Madison

Acute CNS Trauma and Ischemia

Thursday, April 26th 2018

3:00 pm – 4:30 pm

Chairs: Dan Peterson & Lalitha Madhavan

- STEM CELL FACTOR AND GRANULOCYTE COLONY-STIMULATING FACTOR PROMOTE BRAIN REPAIR AND COGNITIVE FUNCTION THROUGH VEGF-MEDIATED ANGIOGENESIS IN A MOUSE MODEL OF CADASIL
S. Ping, X. Qiu, M. Kyle, K. Hughes, J. Longo, L.-R. Zhao (Travel Award Winner)
- MODULATION OF RECEPTOR PROTEIN TYROSINE PHOSPHATASE σ PROMOTES NEUROREGENERATION AND FUNCTIONAL RECOVERY AFTER EXPERIMENTAL STROKE
F. Luo, J. Silver, Y. Luo (Travel Award Winner)
- GLIAL ENRICHED PROGENITORS: A NOVEL CELL-BASED THERAPEUTIC FOR WHITE MATTER STROKE
I.L. Llorente – University of California, Los Angeles
- POST-STROKE SHH AGONIST TREATMENT IMPROVES FUNCTIONAL RECOVERY BY ENHANCING NEUROGENESIS AND ANGIOGENESIS
Y. Luo – Case Western Reserve University
- TIMING MATTERS: THE IMPACT OF HYPOTHERMIA ON HUMAN NEURAL STEM CELL ACTION IN VITRO SUPPORTS THE NEED TO FIND OPTIMAL TIMING FOR COMBINED CELL-BASED THERAPY WITH HYPOTHERMIA FOR PERINATAL HYPOXIC ISCHEMIC INJURY
J. Law, C. Pernia, W. Niles, E.Y. Snyder (Travel Award Winner)
- EFFECTS OF TRAUMATIC BRAIN INJURY ON MEASURES OF LIMB AND TONGUE FUNCTION IN RATS
J. Stanford – University of Kansas Medical Center

Biomarkers in Regenerative Medicine

Thursday, April 26th 2018

4:45 pm – 6:00 pm

Chairs: Ted Teng & Li-Ru Zhao

- MONITORING CELL THERAPY IN A CLINICAL SETTING USING FLUORINE MRI
E. Ahrens – University of California – San Diego
- LARGE ANIMAL MODELING AND BRAIN IMAGING IN TRANSLATIONAL STROKE RESEARCH
J. Boltze – Fraunhofer Research Institution
- DIFFUSION TENSOR IMAGING TO ASSESS BRAIN INJURY AND REPAIR POST NEUROINTERVENTIONAL STEM CELL THERAPIES IN A CANINE MODEL OF STROKE
K.E. Bates – University of Miami
- BIODISTRIBUTION OF GLIAL PROGENITORS INJECTED INTO THE 3D BIOPRINTED MODEL OF PIGLET CEREBRAL VENTRICULAR SYSTEM DEPENDS ON INFUSION SPEED, VOLUME OF CELL SUSPENSION, AND IRON OXIDE LABELING
R. Srivastava – Johns Hopkins University

Thursday, April 26th 2018

Welcome Reception

Data Blitz 6:30 – 7:00 pm

Poster Session 7:00 – 8:30 pm

- ❖ SCHWANN CELL TRANSPLANTATION ALTERS THE INNATE IMMUNE RESPONSE AFTER SPINAL CORD INJURY
M. Ghosh – University of Miami
- ❖ BIOCHEMICAL AND GENETIC METHODS FOR ENHANCING POLYSIALIC ACID ON TRANSPLANTED CELLS AFTER SPINAL CORD INJURY
D. Pearse – University of Miami
- ❖ CEREBRAL ORGANOID AS A NOVEL SOURCE OF DOPAMINERGIC NEURON PROGENITORS FOR CELL-BASED TREATMENT OF PARKINSON'S DISEASE
M. Chrostek, A.T. Crane, A. Vegoem, B. Lindborg, T.D. O'Brien, W.C. Low (Travel Award Winner)
- ❖ MUTANT ALLELE KNOCKDOWN IN THE YAC128 TRANSGENIC MOUSE MODEL OF HUNTINGTON'S DISEASE USING AN ARTIFICIAL TRANSCRIPTION FACTOR
K.D. Fink – University of California – Davis
- ❖ ARGININE SENSING INDUCED MTORC1 ACTIVATION AFFECTS TAUOPATHIES C.
Ma, A. Kovalenko, L.A. Sandusky-Beltran, J. Calahatian, H. Liang, M. Kallapurackal, J. Hunt, K.R. Nash, M. Fahnstock, D. Morgan, P.C. Bickford, D. Lee (Travel Award Winner)
- ❖ NEURODEGENERATION AND NEUROPROTECTION IN A NONHUMAN PRIMATE MODEL OF PARKINSONIAN CARDIAC DYSAUTONOMIA
J. Metzger, R. Fleddermann, H. Matsoff, G. Wachowski, V. Bondarenko, H. Simmons, A. Kapoor, T. Ziegler, C. F. Moore, M.E. Emborg (Travel Award Winner)
- ❖ SOMATIC TRANSGENESIS MODELING IN THE BRAIN USING DIFFERENT PROMOTERS TO TARGET CELL TYPE SPECIFIC GENE EXPRESSIONS
S. Modrow – University of Florida

- ❖ CEREBRAL CHEMOKINE RECEPTOR CCR5 CONTRIBUTES TO POST-ISCHEMIC BRAIN PROTECTION
S. Ping – SUNY Upstate Medical University

- ❖ COMBINED STEM CELL FACTOR AND GRANULOCYTE COLONY-STIMULATING FACTOR PROMOTE CORTICOSPINAL TRACT SPROUTING AND IMPROVE NEUROLOGICAL FUNCTION IN THE CHRONIC PHASE OF TRAUMATIC BRAIN INJURY
X. Qiu, M. Kyle, K. Hughes and L.-R. Zhao

- ❖ BRAIN SLICE CULTURE MODELS OF CNS TARGETED GENE EXPRESSION
K.E. Rewis – University of Florida

- ❖ THE HSP90 ACTIVATOR AHA1 PROMOTES PATHOGENIC TAU
L.B. Shelton, J.D. Baker, D. Zheng, J. Koren III, B.S.J. Blagg, L.J. Blair (Travel Award Winner)

- ❖ SOLUBLE CX3CL1 RESCUES COGNITIVE DEFICITS IN CX3CL1 KNOCK-OUT MICE
M.S. Subbarayan, A.N. Winter, B. Grimmig, M. Peters, E. Weeber, K.R. Nash, P.C. Bickford (Travel Award Winner)

- ❖ LISPRO MITIGATES ALZHEIMER-LIKE COGNITIVE- AND NEUROPSYCHIATRIC-BEHAVIORAL DEFICITS IN APP/PS1 MICE
R.D. Shytle – University of South Florida

- ❖ ACTIVATION OF THE CYTOMEGALOVIRUS (CMV) PROMOTER: CONSIDERATIONS FOR VIRAL VECTOR-MEDIATED TRANSGENE EXPRESSION
S.M. Bäck – NIDA/NIH

- ❖ NOGO RECEPTOR-1 REGULATES POST-TRAUMATIC COGNITIVE, MOTIONAL, AND EMOTIONAL BEHAVIORS IN MICE
Y.-H. Chiang – Taipei Medical University

- ❖ KAINIC ACID AND GLUTAMATE INDUCE ENDOPLASMIC RETICULUM CALCIUM DEPLETION IN PRIMARY CORTICAL NEURONS
A.M. Dossat – NIDA/NIH

- ❖ INTRODUCING A NOVEL METHOD OF INTRAVASCULAR ADENO-ASSOCIATED VIRUS-MEDIATED GENE DELIVERY
H.Z. Fazal – University of Florida

- ❖ INSULIN-LIKE GROWTH FACTOR-2, AN INCREASING FACTOR IN NEONATAL WHITE MATTER BRAIN INJURY, PROMOTES THE DIFFERENTIATION OF OLIGODENDROCYTE PROGENITOR CELLS IN VITRO
H. Hida – Nagoya City University

- ❖ DOPAMINE RELEASE IN THE NUCLEUS ACCUMBENS IS ALTERED FOLLOWING TRAUMATIC BRAIN INJURY
B.J. Hoffer – Case Western Reserve University

- ❖ A1-EXOSOMES SUPPRESS SYSTEMIC INFLAMMATION AND NEUROINFLAMMATION INDUCED BY LPS IN MICE
D.-K. Kim – Texas A&M University

- ❖ A9 DOPAMINE NEURON DIFFERENTIATION FROM MONKEY INDUCED PLURIPOTENT SOMATIC CELLS AND SOMATIC CELL NUCLEAR TRANSFER
R. Malpass – Yale University

- ❖ LOCAL ACTION OF MONOCYTE CHEMOATTRACTANT PROTEIN-1 AND OSTEOPONTIN IN MURINE ANEURYSM HEALING
K. Motwani, D. Wajima, S. Hourani, H.Z. Fazal, K. Hosaka, B.L. Hoh (Travel Award Winner)

- ❖ GENE EXPRESSION CHANGES AND CHRONIC RESPONSES IN A REPETITIVE MILD TBI MOUSE MODEL
W.A. Ratliff, D.C. Driscoll, S. Neyra, D. Qupty, C.G. Pick, B.A. Citron (Travel Award Winner)

- ❖ DIFFERENTIATION AND CHARACTERIZATION OF ISOGENIC CELLS FROM AFRICAN GREEN MONKEY FOR POTENTIAL TRANSPLANTATION
M. Seay – Yale School of Medicine

- ❖ CHARACTERIZATION OF THE EFFECTS OF CONDITIONED MEDIUM DERIVED FROM ENDOTHELIAL PROGENITOR CELLS ON CULTURED STRIATAL NEURONAL STEM CELLS
H.R. Widmer – University of Bern

- ❖ INTRAVENOUS HUMAN BONE MARROW DERIVED ENDOTHELIAL PROGENITOR CELL TRANSPLANTATION INTO SYMPTOMATIC ALS MICE POTENTIALLY REPAIRS BLOOD-SPINAL CORD BARRIER
M. Khatib, S. Hailu, D.J. Eve, J. Cruz, S. Navarro, K.J. Boccio, R. Ford, P.R. Sanberg, C.V. Borlongan, S. Garbuzova-Davis

- ❖ ECM HYDROGEL INJECTION FOR THE TREATMENT OF STROKE: TIME COURSE COMPARISON OF HYDROGEL RETENTION AND PHENOTYPIC CHARACTERIZATION OF INVADING CELLS
H. Ghuman – University of Pittsburgh
- ❖ MULTIPLE INTRA-ARTERIAL DOSING OF MESENCHYMAL STEM CELLS REDUCES ISCHEMIC BRAIN INJURY IN A RAT STROKE MODEL
M. Watanabe, P. Bhattacharya, A. Khan, J.M. Hare, M. Perez-Pinzon, A.P. Raval, D.R. Yavagal (Travel Award Winner)
- ❖ INTRAVENTRICULAR IMPLANTATION OF HUMAN MESENCHYMAL STEM CELL 3D AGGREGATES AS REGENERATION CENTER FOR ISCHEMIC STROKE TREATMENT
X. Yuan, A. Bagdasarian, J.T. Rosenberg, S.C. Grant, T. Ma (Travel Award Winner)
- ❖ EXOSOMAL BIOMARKERS IN BLOOD FOR NEURODEGENERATIVE DISEASE
E. Hamlett – University of Denver
- ❖ INTRACELLULAR CALCIUM LEADS TO α -SYNUCLEIN AGGREGATION AND RELEASE IN DOPAMINERGIC CELLS
D. Erdengiz, K.A. Maguire-Zeiss (Travel Award Winner)
- ❖ THE ROLE OF EIF5A HYPUSINATION ON TDP-43 ACCUMULATION AND STRESS GRANULE FORMATION IN FTD TDP-43 PROTEINOPATHY
Z. Quadri, S. Sazi, S. Smeltzer, F. Zamudio, M.-L. B. Selenica (Travel Award Winner)
- ❖ A NOVEL DRUG HEXACHLOROPHENE REDUCES TAU AGGREGATION AND POTENTIAL THERAPEUTIC AGENT FOR TREATMENT OF ALZHEIMER'S DISEASE
V. Manavalan – University of South Florida
- ❖ THE DIFFERENCE BETWEEN ACTIVITY AND FUNCTION: UTILIZING MOUSE MODELS AND hiPSCS TO ELUCIDATE THE ELECTROPATHOPHYSIOLOGY OF BIPOLAR DISORDER
C. Pernia, R. O'Donnell, A. Winquist, B. Tobe, Y. Goshima, E.Y. Snyder
- ❖ MELANOMA-DERIVED EXOSOMES INDUCE INFLAMMATORY MICROENVIRONMENTS: POSSIBLE INVOLVEMENT IN BRAIN METASTASES
E. Yoo, S.K. Hur, Q. Liu, S. Fang, D.-K. Kim, D. Kim
- ❖ STANDARDS FOR DERIVING NONHUMAN PRIMATE INDUCED PLURIPOTENT STEM CELLS
M. Daadi – Texas Biomedical Research Institute

Conference Agenda

Friday, April 27th 2018

Neural Repair Through Trophic Factors

08:00 am – 10:05 am

Chairs: Gene Redmond & Brandon Harvey

- ENDOPLASMIC RETICULUM LOCATED TROPHIC FACTOR CDNF PROTECTS AND MAINTAINS DOPAMINE NEURONS
M. Saarma – University of Helsinki
- CDNF – ADVANCES IN CLINICAL DEVELOPMENT
H.J. Huttunen – Herantis Pharma Plc
- THE TALE OF THE TAIL OF MANF: ER CALCIUM HOMEOSTASIS AS A THERAPEUTIC TARGET
B.K. Harvey – NIDA/NIH
- REGENERATIVE PROPERTIES OF MANF IN DEVELOPING NEURONS
M. Airavaara – University of Helsinki
- CEREBRAL ANEURYSM HEALING: MCP-1, IL6 AND OPN
K. Hosaka – University of Florida

Spinal Cord Injury - Therapeutic Options

Friday, April 27th 2018

10:20 am – 11:20 am

Chairs: Gary Dunbar & John Stanford

- THE EFFECT OF LOW DOSE CARBON MONOXIDE ON ADULT NEUROGENESIS IN INJURED MAMMALIAN SPINAL CORD
T. Teng – Massachusetts General Hospital
- USING MOUSE ORGANOTYPIC SPINAL CORD CULTURES TO VALIDATE NEW SELF-COMPLIMENTARY AAV TO TARGET CENTRAL NERVOUS SYSTEM CELLS BY USING AAV6 TRIPLE TYROSINE MUTANT (T492V-Y70SF-Y731F)
D.V. Tran, P.E. Cruz, V.Q. Truong, D. Deng, A.M. Rosario, K.-L. Schob, M. Parianos, V. Richards, M. Pardo, A. Hernandez, C. Ceballos, X. Liu, G. Aslanidi, J. Ayers, T.E. Golde (Travel Award Winner)
- INVOLVEMENT OF NUCLEAR FACTOR-KB (NF-KB) PATHWAY IN THE TREATMENT OF SPINAL CORD INJURY
P. Jendelova – Czech Academy of Sciences
- TRANSPLANTATION OF NEURAL PROGENITOR CELLS AND V2A INTERNEURONS INTO THE INJURED CERVICAL SPINAL CORD
L.V. Zholudeva, N. Iyer, L. Qiang, V.M. Spruance, M.L. Randelman, T. Bezdudnaya I. Fischer, S. Sakiyama-Elbert, M.A. Lane (Travel Award Winner)

Inaugural Roy Bakay Lecture

11:20 am – 12:20 pm

Krystof Bankiewicz MD, PhD

Regenerative Rehab

Friday, April 27th 2018

3:00 pm – 4:15 pm

Chairs: Gene Redmond & Scott Counts

- CORTICAL PLASTICITY IN NEUROREHABILITATION
R. Nudo – University of Kansas Medical Center
- SUB-ADDITIVE EFFECTS OF CELL AND PHYSICAL THERAPY IN A RODENT MODEL OF STROKE
H. Ghuman, F. Nitzsche, M. Gerwig, J. Moorhead, L. Grice, N. Perry, A. Poplawsky, B. Wahlberg, F. Ambrosio, M. Modo (Travel Award Winner)
- SPROUTING OF THE CORTICORUBRAL TRACT INDUCED BY AN INTENSIVE REHABILITATION CONTRIBUTED TO FUNCTIONAL RECOVERY IN INTERNAL CAPSULE HEMORRHAGE RATS
Ishida – Nagoya City University
- MECHANISMS OF AGE-RELATED COGNITIVE DECLINE
C. Burger – University of Wisconsin-Madison

Past Presidents Symposium

"Scientific Trends Through the Years"

Friday, April 27th 2018

4:15 pm – 5:15 pm

Chairs: John Sladek & Paul Sanberg

Award Presentation

5:15 pm – 5:30 pm

John Sladek & Paul Sanberg

Beach Volleyball

6:00 pm – 7:30 pm

Faculty vs. Post Docs & Students



Conference Agenda

Saturday, April 28th 2018

Clinical Studies: Cell Therapy for Stroke Patients

8:00 am – 9:30 am

Chairs: Evan Snyder & Alison Willing

- CONSERVED MECHANISMS UNDERLYING BENEFIT OF MULTISTEM CELL THERAPY FOR NEUROLOGICAL INJURY AND DISEASE
R.W. Mays – Athersys, Inc.
- INTRACEREBRAL TRANSPLANTATION OF MODIFIED MSCs IN PATIENTS WITH STROKE
D. Bates – SanBio
- THE DEVELOPMENT OF A NEURAL STEM CELL THERAPY FOR CHRONIC DISABILITY AFTER STROKE
J. Sinden – ReNeuron

Clinical Studies: Cell Therapy for Spinal Cord Injury/Parkinson's Disease

Saturday, April 28th 2018

10:00 am – 11:15 am

Chairs: Cesar Borlongan & Julien Rossignol

- ESC-DERIVED OLIGODENDROCYTE PROGENITOR CELLS (AST-OPC1): CLINICAL UPDATE AND PRECLINICAL PROGRESS IN CERVICAL SPINAL CORD INJURY
N.C. Manley – Asterias Biotherapeutics
- PHASE I DOSE ESCALATION STUDY OF NEURAL STEM CELLS IN PATIENTS WITH PARKINSON'S DISEASE
R. Gonzalez – International Stem Cell Corporation
- RNA-SEQ AND HISTOLOGICAL CHARACTERIZATION OF HUMAN PERIPHERAL NERVE TISSUE FOR USE IN BRAIN GRAFTS FOR THE TREATMENT OF PARKINSON'S DISEASE
A.S. Welleford, C.G. van Horne, J.E. Quintero, E.M. Blalock, J.A. Stanford, S.M. Shapiro, S.M. Riordan, G.A. Gerhardt (Travel Award Winner)

Biological Materials

Saturday, April 28th 2018

11:10 am – 12:00 pm

Chairs: Kathy Steece-Collier & Ty Subramanian

- PROTEASOME-TARGETED NANOBODIES ALLEVIATE PATHOLOGY IN A SYNUCLEIN-BASED PARKINSON'S DISEASE MODEL
D. Chatterjee, M. Bhatt, D. Butler, E. De Genst, C. Dobson, A. Messer, J.H. Kordower (Travel Award Winner)
- ZIKA VIRUS AS AN ONCOLYTIC AGENT IN HUMAN AND MURINE MALIGNANT GLIOMAS
A.T. Crane – University of Minnesota
- BILATERAL TRANSPLANTATION OF HUMAN FETAL RETINAL PIGMENT EPITHELIAL CELLS (HFRPECS) ATTACHED TO MICROCARRIERS INTO THE SHELL OF THE NUCLEUS ACCUMBENS OF COCAINE SELF-ADMINISTERING RATS PROTECTS AGAINST DRUG SEEKING
K. Venkiteswaran – Penn State University

Therapeutic Delivery

Saturday, April 28th 2018

3:00 pm – 4:30 pm

Chairs: Raphael Guzman & Dileep Yavagal

- TRANSENDOTHELIAL MIGRATION OF STEM CELLS AFTER INTRA-ARTERIAL INJECTION
R. Guzman – University of Basel
- INTRA-ARTERIAL DELIVERY OF CELL THERAPY IN A LARGE ANIMAL MODEL OF STROKE
D. Yavagal – University of Miami
- INTRA-ARTERIAL HIGHWAY TO THE BRAIN FOR CELL THERAPY
M. Janowski – Johns Hopkins University

Therapeutic Genome Editing

Saturday, April 28th 2018

04:30 pm – 06:00 pm

Chairs: Marina Emborg & Mike Modo

- BRAIN REPAIR VIA IN SITU ASTROCYTE-TO-NEURON CONVERSION
G. Chen – Pennsylvania State University
- DELIVERY OF A ZINC FINGER ARTIFICIAL TRANSCRIPTION FACTOR FOR UBE3A RE-ACTIVATION VIA MESENCHYMAL STEM CELLS IN ANGELMAN SYNDROME
P. Deng, U. Beitnere, B. Pyles, H. O'Geen, J.A.N.M. Halmai, J. Carter, S. Carter, J.A. Nolta, D.J. Segal, K.D. Fink (Travel Award Winner)
- LRRK2 GENOMIC EDITING IN COMMON MARMOSSET STEM CELLS
S.C. Vermilyea, A. Babinski, S. Guthrie, T.G. Golos, M.E. Emborg (Travel Award Winner)
- AAV-MEDIATED SILENCING OF STRIATAL CAV1.3 CALCIUM CHANNELS CAN PREVENT AND REVERSE EXPRESSION OF LEVODOPA-INDUCED DYSKINESIA
K. Steece-Collier – Michigan State University
- CRISPR-CAS9 MEDIATED NON-HOMOLOGOUS END JOINING (NHEJ) MECHANISM FOR SILENCING OF THE MUTANT HUNTINGTIN GENE IN AN IN VITRO MODEL OF HUNTINGTON'S DISEASE
N. Kolli, M. Lu, P. Maiti, J. Rossignol, G.L. Dunbar (Travel Award Winner)
- PAMAM DENDRIMERS CROSS THE BLOOD-BRAIN BARRIER WHEN INJECTED SYSTEMICALLY VIA TAIL VEIN IN VIVO AND USE OF DENDRIMERS AS A VEHICLE TO DELIVER LARGE CODING AND NON-CODING PLASMIDS IN VITRO
B. Srinageshwar, A.J. Dil, J.P. Sturgis, M.N. Florendo, A.E. Wedster, D. Swanson, G.L. Dunbar, A. Sharma, J. Rossignol

ASNTR Business Meeting

Saturday, April 28th 2018

Mike Modo & Fredric Manfredsson

6:00 pm – 6:20 pm

All members and nonmembers are strongly encouraged to attend this meeting to welcome new ASNTR officers and to become actively involved in the future direction of the society.

ASNTR BEACH PARTY

JOIN US FOR DINNER & DANCING

(CASH BAR)

7:00 pm -10:00 pm

NAME BADGE REQUIRED FOR ADMISSION



Thank you for another great year!