



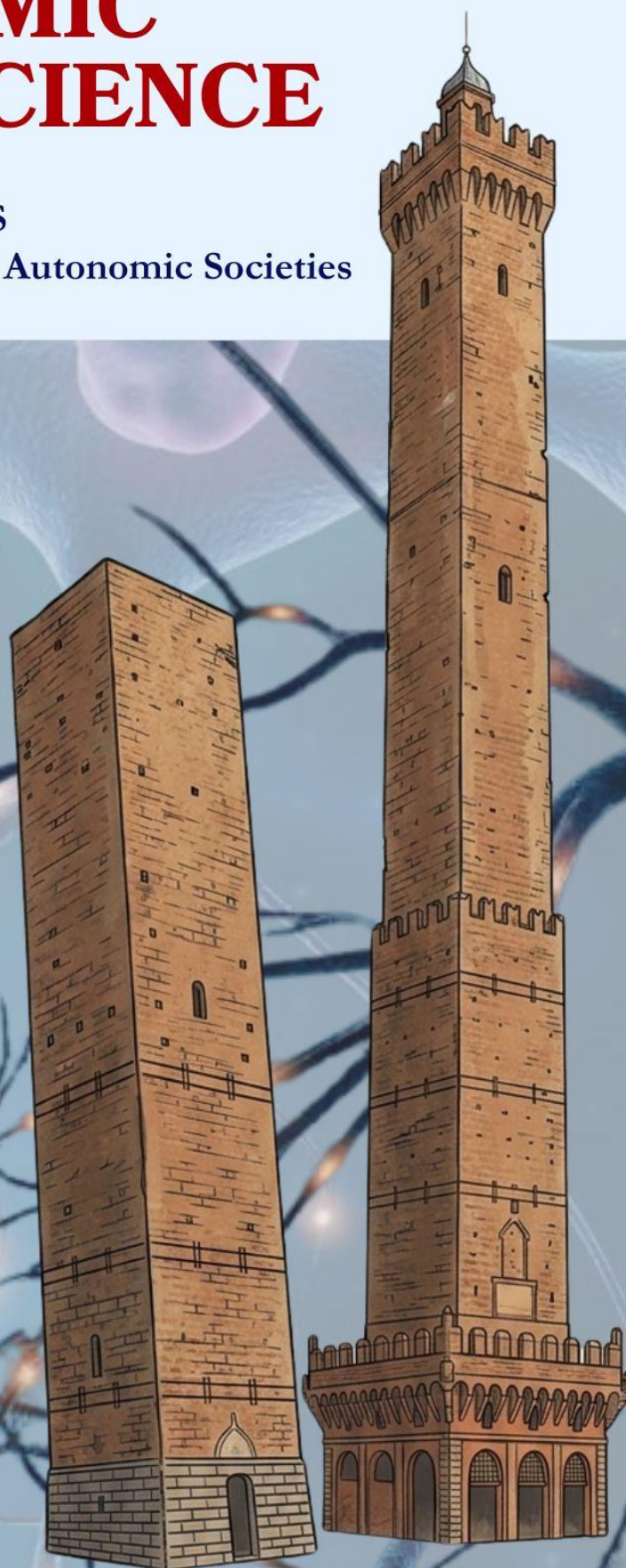
14th Congress of the
**INTERNATIONAL
SOCIETY FOR
AUTONOMIC
NEUROSCIENCE**



Joint Meeting with EFAS
European Federation of Autonomic Societies

Bologna, Italy
2-5 September
2026

Plesso Belmeloro
University of Bologna



POSTER LIST



POSTER LIST

DAY 1 – THURSDAY 3rd SEPTEMBER

P1 / Day 1 - Sex-dependent lateralization of cardiovascular responses to aortic baroreceptor afferent stimulation in spontaneously hypertensive rats

Ibrahim M. Salman ⁽¹⁾ - Omar Z. Ameer ⁽¹⁾ - Yee-Hsee Hsieh ⁽²⁾ - Stephen J. Lewis ⁽²⁾

⁽¹⁾ Alfaisal University, College of Pharmacy, Riyadh, Saudi Arabia - ⁽²⁾ Case Western Reserve University, School of Medicine, Cleveland, Ohio, United States

P2 / Day 1 - Sex-specific autonomic dysregulation of cardiovascular and ventilatory functions following acute irreversible acetylcholinesterase inhibition

Bruna Ferreira da Silva ⁽¹⁾ - Breno Lopes Macedo ⁽¹⁾ - Gabriel Gavazza Noé ⁽¹⁾ - Mauricio da Silva Mattar ⁽¹⁾ - Kissylla Brisson da Silva ⁽¹⁾ - Amanda Boina ⁽²⁾ - Paula Beatriz de Souza Assis ⁽²⁾ - Vítor Sampaio Minassa ⁽³⁾ - Júlia Grigorini Mori Ayub ⁽¹⁾ - Fiona McBryde ⁽⁴⁾ - Thatiany Jardim Batista ⁽¹⁾ - Karla Nívea Sampaio ⁽¹⁾

⁽¹⁾ Federal University of Espírito Santo, Pharmaceutical Sciences Graduate Program, Health Sciences Centre, Vitória, Brasil - ⁽²⁾ Federal University of Espírito Santo, Department of Pharmaceutical Sciences, Health Science Centre, Vitória, Brasil - ⁽³⁾ Federal University of Espírito Santo, Physiological Sciences Graduate Program, Health Sciences Centre, Vitória, Brasil - ⁽⁴⁾ University of Auckland, Department of Physiology, Faculty of Health & Medical Sciences, Manaaki Manawa—The Centre for Heart Research, Auckland, Nova Zelândia

P3 / Day 1 - Effect of involuntary breathing movements on aortic flow

Jorge Manuel ⁽¹⁾ - Ivan Drvis ⁽²⁾ - Sophie Simon ⁽¹⁾ - Nikola Foretic ⁽²⁾ - Goran Dujic ⁽³⁾ - Karsten Heusser ⁽¹⁾ - Jens Jordan ⁽¹⁾ - Darius A. Gerlach ⁽¹⁾ - Philipp Rosauer ⁽⁴⁾ - Ulrich Limper ⁽¹⁾ - Björn Jüttner ⁽⁵⁾ - Zeljko Dujic ⁽⁶⁾ - Jens Tank ⁽¹⁾

⁽¹⁾ German Aerospace Center (DLR), Institute of Aerospace Medicine, Cologne, Germany - ⁽²⁾ University of Zagreb, Faculty of Kinesiology, Zagreb, Croatia - ⁽³⁾ University Hospital of Split, Clinical Department of Diagnostic and Interventional Radiology, Split, Croatia - ⁽⁴⁾ German Aerospace Center (DLR), Institute of Software Technology, Cologne, Germany - ⁽⁵⁾ Hannover Medical School, Department of Anesthesiology and Intensive Care Medicine, Hannover, Germany - ⁽⁶⁾ University of Split School of Medicine, Department of Integrative Physiology, Split, Croatia

P4 / Day 1 - Gut Regulated Associations of Neuronal Signalling in high BP (GRAiNS-BP): A Randomised Controlled Trial Protocol

Malindi Welathanthree ⁽¹⁾ - Vaughan Macefield ⁽²⁾ - Francine Marques ⁽¹⁾ - Rikeish Muralitharan ⁽¹⁾

⁽¹⁾ Monash University, Department of Pharmacology, Melbourne, Australia - ⁽²⁾ Monash University, Department of Neuroscience, Melbourne, Australia

P5 / Day 1 - Precision ultra-hypofractionated radiotherapy to the stellate ganglia for ventricular arrhythmia (the first-in-man RADIO-STAR trial)

Benjamin Bussmann

University of Oxford, Cardiology Department UK

P6 / Day 1 - The A isoform of Alpha1 Adrenergic Receptors in Cardiac Vagal Nucleus Ambiguus Increases Heart Rate Through Increased GABAergic Inhibition

Kaylie Dow ⁽¹⁾ - Carie Boychuk ⁽¹⁾

⁽¹⁾ University of Missouri, Dalton Cardiovascular Research Center, Department of Pathobiology and Integrative Biomedical Sciences, College of Veterinary Medicine, Columbia, United States



POSTER LIST

DAY 1 – THURSDAY 3rd SEPTEMBER

P7/Day 1 - Comparison of AI-Based and Manual Computational Approaches for Baroreflex Analysis Using the Modified Oxford Method in Normotensive Lewis Rats

Hussam N. Alhamad ⁽¹⁾ - Ibrahim M. Salman ⁽¹⁾ - Omar Z. Ameer ⁽¹⁾ - Cara M. Hildreth ⁽²⁾ - Jacqueline K. Phillips ⁽²⁾

⁽¹⁾ Alfaisal University, Collage of Pharmacy, Riyadh, Saudi Arabia - ⁽²⁾ Macquarie University, Macquarie Medical School, Faculty of Medicine, Health and Human Sciences, Sydney, Australia

P8 / Day 1 - Effects of Lumacaftor on Blood Pressure and Cerebral Blood Flow in a Conscious Rat Model of Hypertension and Prediabetes

Courtney Brighthouse ⁽¹⁾ - Jack Sloan ⁽¹⁾ - Julian Paton ⁽¹⁾ - Fiona McBryde ⁽¹⁾ - Tonja Emans ⁽¹⁾

⁽¹⁾ Manaaki Manawa – Centre for Heart Research, Department of Physiology, Faculty of Medical and Health Sciences, University of Auckland, Auckland, New Zealand

P9 / Day 1 - The role of oxytocin within the rostral ventrolateral medulla in the tonic and reflex regulation of blood pressure in an animal model of polycystic kidney disease

Teodora Nedelkoska ⁽¹⁾ - Peter Burke ⁽¹⁾ - Simon McMullan ⁽¹⁾ - Jacqueline Phillips ⁽¹⁾ - Cara Hildreth ⁽¹⁾

⁽¹⁾ Macquarie University, Macquarie Medical School, Sydney, Australia

P10 / Day 1 - Ventilatory baroreflex in humans: is there evidence of hysteresis?

Jhenny V Neri ⁽¹⁾ - Jeann L Sabino-Carvalho ⁽²⁾ - Paul J Fadel ⁽³⁾ - Lauro C Vianna ⁽⁴⁾

⁽¹⁾ NeuroVASQ-Integrative Physiology Laboratory, Graduate Program in Medical Sciences, Faculty of Medicine, University of Brasilia, Brasilia, Brazil - ⁽²⁾ Faculty of Physical Education, University of Brasilia, Brasilia, Brazil - ⁽³⁾ Department of Kinesiology, University of Texas at Arlington, Arlington, Texas, United States - ⁽⁴⁾ NeuroVASQ-Integrative Physiology Laboratory, Faculty of Physical Education, University of Brasilia, Brasilia, Brazil

P11 / Day 1 - Subcellular Mechanism of Blood Pressure Regulation by Arterial Baroreceptors

Jerry Yu ⁽¹⁾

⁽¹⁾ University of Louisville, Medicine and Physiology, Louisville, United States

P12 / Day 1 - Clinical Evidence of Early and Progressive Cardiovascular Autonomic Dysfunction in Type 1 Diabetes

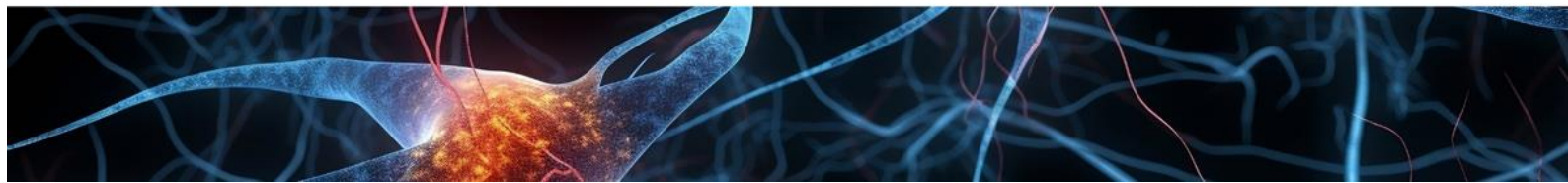
Shweta Gore ⁽¹⁾ - Adina Draghici ⁽²⁾ - Hyun Jung Kim ⁽¹⁾ - J. Andrew Taylor ⁽²⁾

⁽¹⁾ MGH Institute of Health Professions, Physical Therapy, Charlestown, United States - ⁽²⁾ Spaulding Rehabilitation Hospital, Cardiovascular Research Lab, Physical Medicine & Rehabilitation, Cambridge, United States

P13 / Day 1 - In situ cholinergic overstimulation differentially disrupts cardiovascular reflex control in normotensive and pre-hypertensive rats

Vitor Sampaio Minassa ⁽¹⁾ - Igor Simões Assunção Felipe ⁽²⁾ - Luciana Mesquita Passamani ⁽³⁾ - Julian Francis Richmond Paton ⁽²⁾ - Karla Nivea Sampaio ⁽⁴⁾ - Nazare Souza Bissoli ⁽¹⁾

⁽¹⁾ Postgraduate Program in Physiological Sciences, Federal University of Espírito Santo, Vitoria, Brazil - ⁽²⁾ The Centre for Heart Research – Manaaki Manawa, University of Auckland, Auckland, New Zealand - ⁽³⁾ Brazilian Hospital Services Company, Federal University of Espírito Santo, Vitoria, Brazil - ⁽⁴⁾ Postgraduate Program in Pharmaceutical Sciences, Federal University of Espírito Santo, Vitoria, Brazil



POSTER LIST

DAY 1 – THURSDAY 3rd SEPTEMBER

P14 / Day 1 - Cardiovascular autonomic dysfunction after young ischemic stroke

Ruihao Wang

University of Erlangen-Nuremberg, Department of Neurology, Nuremberg, Germany

P15 / Day 1 - Delta Heart Rate Poorly Reflects Symptom Burden in Postural Orthostatic Tachycardia Syndrome

Celine Gallagher ⁽¹⁾ - Marie-Claire Seeley ⁽¹⁾ - Gemma Wilson ⁽¹⁾ - Kristina Comacchio ⁽¹⁾ - Dennis H Lau ⁽¹⁾

⁽¹⁾ Adelaide University, Australian Dysautonomia and Arrhythmia Research Collaborative, Adelaide, Australia

P16 / Day 1 - Beyond the tilt table test: resting HRV analysis for non-invasive detection of cardiovascular dysautonomia

Letizia Portanti ⁽¹⁾ - Angelica Carandina ⁽¹⁾ - Nicola Montano ⁽¹⁾ - Eleonora Tobaldini ⁽¹⁾ - Enrico Caiani ⁽²⁾ - Sarah Solbiati ⁽²⁾ - Emanuele Tauro ⁽²⁾

⁽¹⁾ Policlinico di Milano, Internal medicine department, Milano, Italy - ⁽²⁾ Politecnico di Milano, DEIB, Milano, Italy

P17 / Day 1 – Orthostatic hypertension is associated with greater limitations in basic activities of daily living among geriatric outpatients: a retrospective analysis

Jordy Saren ⁽¹⁾ - Aziz Debain ⁽¹⁾

⁽¹⁾ Universitair Ziekenhuis Brussel, Geriatrics, Jette, Belgium

P18 / Day 1 - Selected Parameters of Autonomic Modulation of Blood Circulation in Parkinson's Disease

Jan Galuszka ⁽¹⁾ - Michaela Kaiserová ⁽²⁾ - Jana Zapletalová ⁽³⁾ - Dana Galuszková ⁽⁴⁾ - Alan Bulava ⁽¹⁾

- ⁽¹⁾ Cardiology, Olomouc, Czech Republic - ⁽²⁾ Faculty of Medicine and Dentistry Palacký University Olomouc, University Hospital Olomouc, Department of Neurology, Olomouc, Czech Republic - ⁽³⁾ Faculty of Medicine and Dentistry Palacký University Olomouc, Palacký University Olomouc, Department of Medical Biophysics, Olomouc, Czech Republic - ⁽⁴⁾ University Hospital Olomouc, University Hospital Olomouc, Department of Blood Transfusion, Olomouc, Czech Republic

P19 / Day 1 - Autonomically Defined Fear and Recovery States Shape Cortical Activity Patterns

Sophie Bagur

ESPCI-PSL Research University, Brain Plasticity Lab, Paris, France

P20 / Day 1 - Changes in Cardiovascular and Hypothalamic Neural Excitability Responses in Dominant Animals during Social Defeat Stress

Natsuki Ishizaka ⁽¹⁾ - Mio Matsuyama ⁽²⁾ - Joji Horiuchi ⁽¹⁾

⁽¹⁾ Toyo University, Department of Biomedical Engineering, Toyo University, Asaka, Saitama, Japan - ⁽²⁾ Juntendo University, Institute of Sport and Health Science, Juntendo University, Inzai, Chiba, Japan

P21 / Day 1 - Increased PVN to NTS Signaling May Underlie Exaggerated Bezold Jarisch Reflex Bradycardia in a Murine SUDEP Model with Stress Hyperreactivity

Sandy Saunders ⁽¹⁾ - Marlusa Karlen-Amarante ⁽¹⁾ - Jamie Maguire ⁽²⁾ - Carie Boychuk ⁽¹⁾

⁽¹⁾ University of Missouri, Dalton Cardiovascular Research Center, Columbia, United States - ⁽²⁾ Tufts University, Department of Neuroscience, Boston, United States



POSTER LIST

DAY 1 – THURSDAY 3rd SEPTEMBER

P22 / Day 1 - Autonomic skin responses in bortezomib treated multiple myeloma

Mette Kathrine Nygaard ⁽¹⁾ - Niels Frost Andersen ⁽¹⁾ - Henning Andersen ⁽²⁾ - Niels Abildgaard ⁽³⁾ - Sif Gylfadottir ⁽⁴⁾ - Nanna Brix Finnerup ⁽⁵⁾ - Astrid Juhl Terkelsen ⁽²⁾

⁽¹⁾ Dept. of Hematology, Aarhus University Hospital, Dept. of Clinical Medicine, Aarhus University, Aarhus, Denmark -

⁽²⁾ Dept. of Neurology, Aarhus University Hospital, Dept. of Clinical Medicine, Aarhus University, Aarhus, Denmark -

⁽³⁾ Dept. of Hematology, Odense University Hospital, Dept. of Clinical Research, University of Southern Denmark, Odense, Denmark - ⁽⁴⁾ Dept. of Neurology, Aarhus University Hospital, Danish Pain Research Center, Dept. of Clinical Medicine, Aarhus University, Aarhus, Denmark - ⁽⁵⁾ Dept. of Clinical Medicine, Aarhus University, Danish Pain Research Center, Dept. of Clinical Medicine, Aarhus University, Aarhus, Denmark

P23 / Day 1 - SLEEP-Twin: Multimodal Sleep Stage Classification in Mice Using a Digital Twin Framework

Rohma Ahmed ⁽¹⁾ - Stefano Bastianini ⁽¹⁾ - Chiara Berteotti ⁽¹⁾ - Muhammad Azaz Farooq ⁽²⁾ - Silvia Gioiosa ⁽³⁾ - Viviana Lo Martire ⁽¹⁾ - Giovanna Zoccoli ⁽¹⁾ - Elisa Rossi ⁽³⁾

⁽¹⁾ Alma Mater Studiorum, University of Bologna, Department of Biomedical and Neuromotor Science, Bologna, Italy

- ⁽²⁾ Alma Mater Studiorum, University of Bologna, Department of Computer Science and Engineering, Bologna, Italy

- ⁽³⁾ Cineca, HPC Department, Cineca Interuniversity Consortium, Bologna, Italy

P24 / Day 1 - Systemic and Cutaneous Immune Signatures in Autoimmune-Associated Idiopathic Small Fiber Neuropathy

Wei Siong Ong ⁽¹⁾ - Boxuan Zhang ⁽¹⁾ - Amanda CY Chan ⁽¹⁾

⁽¹⁾ National University of Singapore, Medicine, Singapore, Singapore

P25 / Day 1 - Thermal effects of kilohertz-frequency nerve block in the vagus nerve of rats

Cheng-Yu Chen ⁽¹⁾ - Edgar Peña ⁽¹⁾

⁽¹⁾ University of Minnesota, Biomedical engineering department, Minneapolis, United States

P26 / Day 1- Electrical Vagal Stimulation Regulates Peripheral Orexin Levels in Experimental Endotoxemia

Kolgazi Meltem

Acibadem University Medical School, Department of Physiology, Atasehir, Istanbul, Turkey

P27 / Day 1- Alteration of heart rate variability response to CO2 in different epileptic rat models

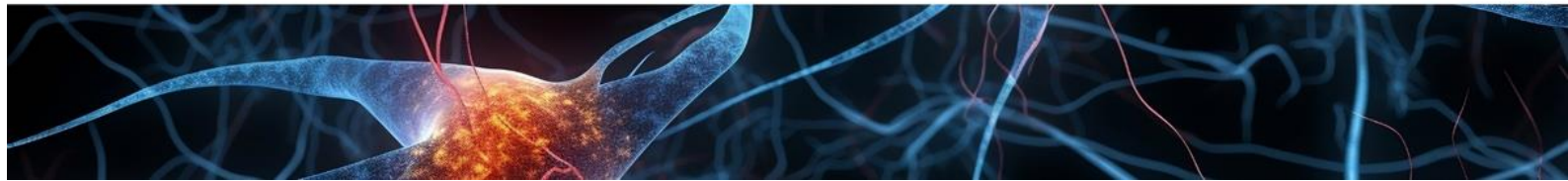
Auriane Aparaie ⁽¹⁾ - Elise Collard ⁽¹⁾ - Enrique Germany Morrison ⁽¹⁾ - Ayse Dereli ⁽¹⁾ - Riëm El Tahry ⁽¹⁾

⁽¹⁾ UCLouvain, UCLouvain, Bruxelles, Belgium

P28 / Day 1 - Oral Inflammation, Edentulism, and Autonomic Dysfunction in Hypertensive Complete Denture Wearers

Helio Salgado ⁽¹⁾ - Julio Cesar Taffarel ⁽²⁾ - Lorena Mosconi Clemente ⁽²⁾ - Evandro Watanabe ⁽²⁾ - Cláudia Helena Lovato da Silva ⁽²⁾ - Adriana Barbosa Ribeiro ⁽²⁾

- ⁽¹⁾ University of São Paulo, Ribeirão Preto Medical School - University of São Paulo, Ribeirão Preto, Brazil - ⁽²⁾ Ribeirão Preto School of Dentistry, University of São Paulo, Ribeirão Preto, Brazil



POSTER LIST

DAY 1 – THURSDAY 3rd SEPTEMBER

P29 / Day 1 - Choline precursor supplementation improves excitatory/inhibitory homeostasis experimental autism model

Derya Oktay ⁽¹⁾ - **Ozun Ozcan** ⁽²⁾ - **Ekin Dongel-Dayanc** ⁽³⁾ - **Ismail Hakki Ulusoy** ⁽⁴⁾ - **Meltem Kolgazi** ⁽⁵⁾

⁽¹⁾ Acibadem University, Institute of Health Sciences, Department of Neuroscience, Istanbul, Turkey - ⁽²⁾ Middle East Technical University, Department of Biological Sciences, Molecular Biology & Genetics, Ankara, Turkey - ⁽³⁾ Acibadem University, Institute of Health Sciences, Department of Physiology, Istanbul, Turkey - ⁽⁴⁾ Okan University, School of Medicine, Department of Medical Pharmacology, Istanbul, Turkey - ⁽⁵⁾ Acibadem University, School of Medicine, Department of Physiology, Istanbul, Turkey

P30 / Day 1 - Orthostatic Intolerance and Cardiovascular Autonomic Control: should we phenotype the patients?

Angelica Carandina ⁽¹⁾ - **Thais Marques da Silva** ⁽²⁾ - **Greta Salafia** ⁽¹⁾ - **Francesca Magna** ⁽¹⁾ - **Letizia Portanti** ⁽¹⁾ - **Lucia Silvia Giobbi** ⁽¹⁾ - **Gabriel Dias Rodrigues** ⁽³⁾ - **Sarah Garfinkel** ⁽⁴⁾ - **Nicola Montano** ⁽⁵⁾ - **Eleonora Tobaldini** ⁽⁵⁾

⁽¹⁾ Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Department of Internal Medicine, Milan, Italy - ⁽²⁾ Ribeirao Preto Medical School, University of São Paulo, Department of Physiology, Ribeirao Preto, Brazil - ⁽³⁾ Federal Fluminense University, 4Health Lab, Department of Physiology and Pharmacology, Niteroi, Brazil - ⁽⁴⁾ University College London, Institute of Cognitive Neuroscience, London, United Kingdom - ⁽⁵⁾ University of Milan, Department of Clinical Sciences and Community Health, Department of Excellence 2023-2027, Milan, Italy

P31 / Day 1 - Diagnosis of neurogenic orthostatic hypotension in idiopathic polyneuropathy – screening with modified active stand test and 24-hour ambulatory blood pressure.

Markus Hedin Fedder ⁽¹⁾ - **Stig Holt Bøgh** ⁽¹⁾ - **Naja Helt Andersen** ⁽¹⁾ - **Anne Brink Behrndtz** ⁽²⁾ - **Elida Marie Folkedal Hole** ⁽¹⁾ - **Mette Kathrine Nygaard** ⁽³⁾ - **Jenny-Ann Phan** ⁽²⁾ - **Mathilde Thrysøe** ⁽¹⁾ - **Henning Andersen** ⁽¹⁾ - **Astrid Juhl Terkelsen** ⁽¹⁾

⁽¹⁾ Aarhus University Hospital, Aarhus University Hospital, Neurology, Aarhus, Denmark - ⁽²⁾ Gødstrup Regional Hospital, Gødstrup Regional Hospital, Neurology, Herning, Denmark - ⁽³⁾ Aarhus University Hospital, Aarhus University Hospital, Hematology, Aarhus, Denmark

P32 / Day 1 - Investigating the cause of chest pain in Postural Orthostatic Tachycardia Syndrome using cardiac magnetic resonance imaging

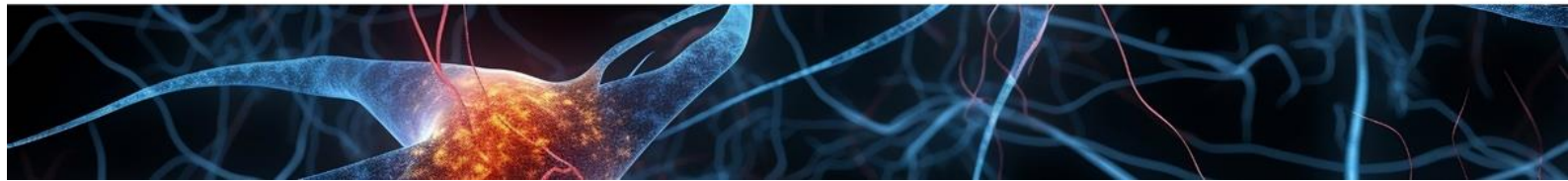
Kavithra Karalasingham ⁽¹⁾ - **Dina Labib** ⁽¹⁾ - **Sandra Rivest** ⁽¹⁾ - **Rashmin Hira** ⁽¹⁾ - **Julio Garcia Flores** ⁽¹⁾ - **Satish Raj** ⁽¹⁾

⁽¹⁾ University of Calgary, University of Calgary, Calgary, Canada

P33 / Day 1 - Are lower limb venous compliance and calf muscle pump function associated with the heart rate responses to standing in postural orthostatic tachycardia syndrome?

Greer Pugh ⁽¹⁾ - **Anna-Catharina Veer** ⁽¹⁾ - **Jui-Lin Fan** ⁽¹⁾ - **Marie-Claire Seeley** ⁽²⁾ - **Kate Thomas** ⁽³⁾ - **James Fisher** ⁽¹⁾

⁽¹⁾ University of Auckland, Department of Physiology, Auckland, New Zealand - ⁽²⁾ Adelaide University, Faculty of Health and Medical Science, Adelaide, Australia - ⁽³⁾ University of Otago, Department of Surgical Sciences, Dunedin, New Zealand



POSTER LIST

DAY 1 – THURSDAY 3rd SEPTEMBER

P34 / Day 1 - Exercise-Induced Respiratory Variability Is Associated with Motor Severity in Moderate Parkinson's Disease

Marcela S. Araujo ⁽¹⁾ - **Muhammad M. Kathia** ⁽²⁾ - **Sergiu-Gabriel Duplea** ⁽²⁾ - **Julian C. Bommarito** ⁽²⁾ - **Devin G. McCarthy** ⁽²⁾ - **Barbara Connolly** ⁽³⁾ - **Philip J. Millar** ⁽²⁾ - **Lauro C. Vianna** ⁽¹⁾

- ⁽¹⁾ Integrative Physiology Laboratory, Faculty of Physical Education, University of Brasília, Brasília, Brazil - ⁽²⁾ Human Cardiovascular Physiology Laboratory, Department of Human Health and Nutritional Sciences, College of Biological Sciences, University of Guelph, Guelph, Canada - ⁽³⁾ Division of Neurology, Department of Medicine, McMaster University, Hamilton, Canada

P35 / Day 1 - Characterization of autonomic dysfunction in prodromal and early stages of Parkinson's Disease

Ilaria Cani ⁽¹⁾ - **Luca Baldelli** ⁽¹⁾ - **Pietro Guaraldi** ⁽¹⁾ - **Benedetta Calò** ⁽²⁾ - **Giannicola Carrozzo** ⁽²⁾ - **Felice Di Laudo** ⁽²⁾ - **Giulia Giannini** ⁽¹⁾ - **Luisa Sambati** ⁽¹⁾ - **Pietro Cortelli** ⁽²⁾ - **Federica Provini** ⁽¹⁾ - **Giovanna Calandra-Buonaura** ⁽¹⁾

⁽¹⁾ IRCCS Istituto delle Scienze Neurologiche di Bologna, Bellaria Hospital, Bologna, Italy - ⁽²⁾ Department of Biomedical and NeuroMotor Sciences (DIBINEM), University of Bologna, Bologna, Italy

P36 / Day 1 - Physical exercise prevents cardiorespiratory nuclei degeneration, breathing and baroreflex dysfunction in 6-OHDA Parkinson's disease rat model

Pamela Medeiros ⁽¹⁾ - **Luiz Fernando Pedrão** ⁽¹⁾ - **Barbara Falquetto** ⁽¹⁾

⁽¹⁾ University of Sao Paulo, Pharmacology, São Paulo, Brazil

P37 / Day 1-Cardiovascular dysautonomia and cognitive fluctuations in neuronal alpha-synuclein diseases

Giulia Saccardin ⁽¹⁾ - **Serena Coniglio** ⁽¹⁾ - **Marco Bisquoli** ⁽²⁾ - **Chiara Mussi** ⁽²⁾ - **Vittorio Rispoli** ⁽¹⁾

- ⁽¹⁾ UOC Neurologia, Ospedale Civile di Baggiovara, Modena, Italy - ⁽²⁾ Università degli Studi di Modena e Reggio, Ospedale Civile di Baggiovara, Modena, Italy

P38 / Day1 - Breathing as a potential interoceptive signal for decision-making under uncertainty

Nivea de Gusmao ⁽¹⁾ - **Sophie Bagur** ⁽¹⁾ - **Ella Callas** ⁽¹⁾ - **Charlotte Cany** ⁽¹⁾

⁽¹⁾ ESPCI Paris, Brain Plasticity Unit, Paris, France

P39 / Day 1 - Characterising the premotor network of swallowing in mice

Annaliese Eymael

Neurobiology of Vital System, Macquarie University, Sydney, Australia

P40 / Day 1 - Brain-wide c-Fos/FosB mapping of intrinsic drive and social dependency for voluntary exercise using a social wheel cage

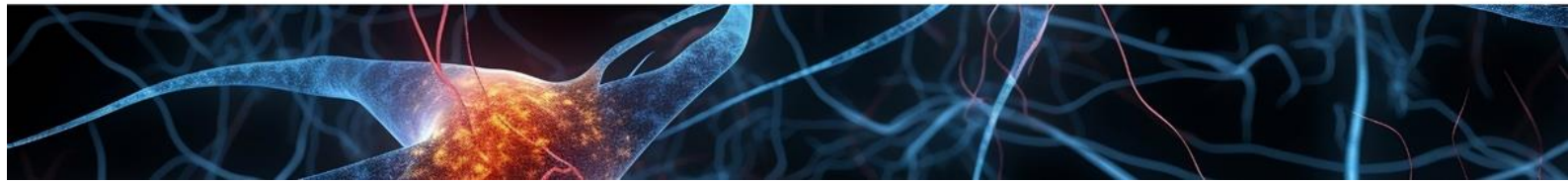
Mio Matsuyama ⁽¹⁾ - **Kanna Sunama** ⁽¹⁾ - **Linh Thuy Pham** ⁽¹⁾ - **Han Seungah** ⁽¹⁾ - **Hidefumi Waki** ⁽¹⁾ - **Ko Yamanaka** ⁽¹⁾

⁽¹⁾ Department of Physiology, Health and Sports Science, Juntendo University, Inzai, Chiba, Japan

P41 / Day 1 - GABA Neurons In Nucleus Tractus Solitarius Are Positioned As Premotor Motor Hubs for Corticobulbar Laryngeal Control

Christopher Romero

Pathobiology and Integrative Biomedical Sciences (PIBS), University of Missouri - Columbia, Columbia, United States



POSTER LIST

DAY 1 – THURSDAY 3rd SEPTEMBER

P42 / Day 1 - Seasonal Variations and Air Pollutant Associations in Ischemic and Hemorrhagic Stroke: A Retrospective Analysis

HİLAL ÇAĞLAR ⁽¹⁾ - Serefnur Öztürk ⁽²⁾ - Kadir Çağlar ⁽²⁾

⁽¹⁾ bursa, gemlik hospital, bursa, Turkey - ⁽²⁾ selcuk tıp fakültesi, selcuk tıp fakültesi, konya, Turkey

P43 / Day 1 - Autonomic recovery markers outperform a PCA-derived autonomic index in predicting relative peak power

Jorge Lopes Storniolo ⁽¹⁾ - Alessandro Pizzetti ⁽²⁾ - Tanzi Massimo ⁽¹⁾ - Paolo Cavallari ⁽²⁾

⁽¹⁾ Istituto Auxologico Italiano, Experimental Laboratory of Neuromotor Physiopathology, Meda, Italy - ⁽²⁾ University of Milan, Department of Pathophysiology and Transplantation, Milano, Italy

P44 / Day1 - Autonomic Control, Bone Metabolism and Body Composition Adaptations to Simulated Microgravity: The DAYSTAR Project

Greta Salafia ⁽¹⁾ - Angelica Carandina ⁽¹⁾ - Thais Marques da Silva ⁽¹⁾ - Francesca Magna ⁽¹⁾ - Gabriel Dias Rodrigues ⁽²⁾ - Ines Antunes ⁽³⁾ - Gabriel Rios ⁽³⁾ - Marta Del Bianco ⁽⁴⁾ - Dominique Moser ⁽⁵⁾ - Alexander Choukér ⁽⁵⁾ - Eleonora Tobaldini ⁽⁶⁾ - Nicola Montano ⁽⁶⁾

⁽¹⁾ Department of Internal Medicine, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy, Fondazione Ca' Granda Ospedale Maggiore Policlinico di Milano, Milano, Italy - ⁽²⁾ Department of Physiology and Pharmacology, Fluminense Federal University, Niteroi, Rio de Janeiro, Brazil, Fluminense Federal University, Niteroi, Rio de Janeiro, Brazil - ⁽³⁾ Directorate of Human and Robotic Exploration Programmes (HRE-RS), European Space Agency, Noordwijk, The Netherlands, European Space Agency, Noordwijk, Netherlands - ⁽⁴⁾ Italian Space Agency, Rome, Italy, ASI, Roma, Italy - ⁽⁵⁾ Laboratory of Translational Research 'Stress and Immunity', Department of Anesthesiology Sensory circuits for the recruitment of swallow.gy, LMU Hospital, Ludwig-Maximilians-Universität, Munich, German, Department of Anesthesiology, LMU Hospital, Ludwig-Maximilians-Universität, Munich, Germany - ⁽⁶⁾ Department of Clinical Sciences and Community Health, Dipartimento di Eccellenza 2023-2027, University of Milan, Milan, Italy, Department of Clinical Sciences and Community Health, Dipartimento di Eccellenza 2023-2027, University of Milan, Milano, Italy

P45 / Day 1 - "Medulla-Gut" Axis Imbalance Facilitates Postoperative Intestinal Pain and Motility Dysfunction in Mice

Rongzhao GU ⁽¹⁾ - Nan QIN ⁽¹⁾ - Shiqi LI ⁽¹⁾ - Yingfu JIAO ⁽¹⁾ - Weifeng YU ⁽¹⁾

⁽¹⁾ None, Renji Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

P46 / Day 1 - A Pilot Study of Phosphorylated Alpha-Synuclein Detection and Quantitation from Routine Colonic Biopsies in Patients with Parkinson's disease

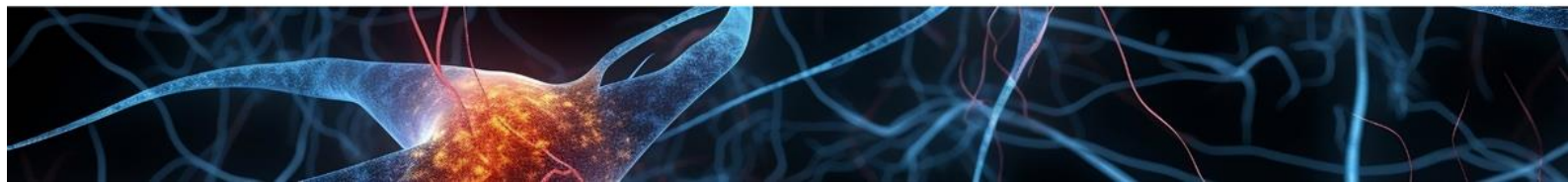
Christopher Gibbons ⁽¹⁾ - Roy Freeman ⁽¹⁾ - Bailey Bellaire ⁽²⁾ - Jourdan Parent ⁽³⁾ - Sarrach Marcotte ⁽³⁾ - Manuel Duval ⁽³⁾ - Todd Levine ⁽²⁾

⁽¹⁾ Beth Israel Deaconess Medical Center, Harvard Medical School, Neurology, Boston, United States - ⁽²⁾ CND Life Sciences, Neurology, Scottsdale, United States - ⁽³⁾ CND Life Sciences, Neurology, Brookline, United States

P47 / Day 1 - Muscle sympathetic nerve activity across the menopause transition in healthy females: role for reproductive hormones

Anna Gonsalves ⁽¹⁾ - Natasha Boyes ⁽²⁾ - Vina Vedala ⁽¹⁾ - Cecile El-Borgi ⁽¹⁾ - Jacqueline Limberg ⁽¹⁾

- ⁽¹⁾ Columbia, Department of Nutrition & Exercise Physiology, Columbia, United States - ⁽²⁾ Marquette University, Department of Physical Therapy, Milwaukee, United States



POSTER LIST

DAY 1 – THURSDAY 3rd SEPTEMBER

P48 / Day 1 - Impact of age on autonomic symptoms and quality-of-life in individuals with Orthostatic Intolerance- Postural Orthostatic Tachycardia Syndrome (POTS) Vs. Postural Symptoms Without Tachycardia (PSWT)

Gemma Wilson ⁽¹⁾ - **Marie-Claire Seeley** ⁽¹⁾ - **Celine Gallagher** ⁽¹⁾ - **Dennis Lau** ⁽¹⁾

⁽¹⁾ The Australian Dysautonomia and Arrhythmia Research Collaborative, Adelaide University, Adelaide, Australia

P49 / Day 1 - Age-dependent changes in vasopressin signaling and urine production in the bat (*carollia perspicillata*)

Anthony James ⁽¹⁾ - **Peace Deh** ⁽²⁾ - **Richard Kollmar** ⁽³⁾ - **Jeff Weiss** ⁽¹⁾ - **Mark Stewart** ⁽⁴⁾ - **Rena Orman** ⁽²⁾

⁽¹⁾ SUNY Downstate Health Sciences University, Department of Urology, Brooklyn, United States - ⁽²⁾ SUNY Downstate Health Sciences University, Physiology&Pharmacology, Brooklyn, United States - ⁽³⁾ SUNY Downstate Health Sciences University, Department of Cell Boiology, Brooklyn, United States - ⁽⁴⁾ SUNY Downstate Health Sciences University, Physiology & Pharmacology, Brooklyn, United States

P50 / Day 1 - Interoception in Hydrocephalus: CSF Hydrodynamics, Intracranial Baroreflex, and Autonomic Rebalancing by Shunting.

Eric Schmidt ⁽¹⁾ - **Giorgio Palandri** ⁽²⁾ - **Anne Pavy Le Traon** ⁽³⁾

⁽¹⁾ Departement of Neurosurgery, University Hospital, TOULOUSE, France - ⁽²⁾ Department of Neurosurgery, University Hospital, Bologna, Italy - ⁽³⁾ Department of Neurology, University Hospital, TOULOUSE, France

P51 / Day 1 - Catecholamines in sepsis: pharmacological insights and clinical applications—a narrative review

Iacopo Belfiore ⁽¹⁾ - **Riccardo Taddei** ⁽²⁾

⁽¹⁾ Università degli Studi di Pisa, Transplant anesthesia and critical care, university of Pisa, Pisa, Italy - ⁽²⁾ Università degli Studi di Pisa, University of Pisa, Pisa, Italy

P52 / Day 1 - Self-organized criticality, dragon kings, black swans, and the prediction of vasovagal syncope

Sarah Kerkouri ⁽¹⁾ - **Jacques-olivier Fortrat** ⁽²⁾

⁽¹⁾ CHU Brest, Ophtalmology, Brest, France - ⁽²⁾ CHU Angers, Médecine vasculaire, Angers, France

P53 / Day 1 - Autonomic Nervous System Dysfunction in Interstitial Lung Diseases: An Uncharted Territory

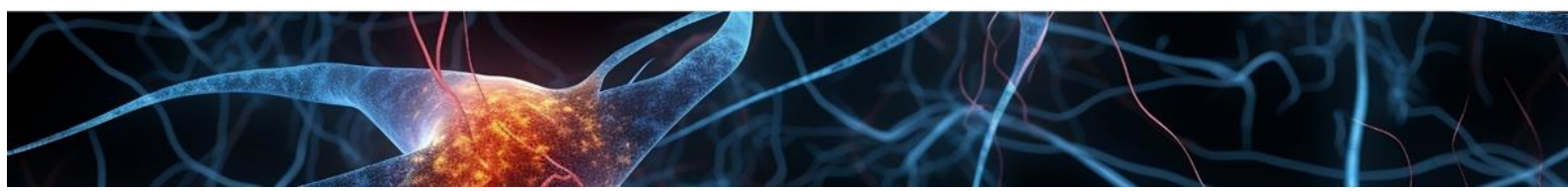
Antonio Fratini ⁽¹⁾ - **Rosa Scarlatella** ⁽²⁾ - **Mario Di Stasio** ⁽²⁾

⁽¹⁾ Cristo Re Hospital, Malattie Apparato Respiratorio Unit, Cristo Re Hospital, Rome, Italy - ⁽²⁾ Independent Researcher, Independent Researcher, Rome, Italy

P54 / Day 1 - Autonomic control of the Glymphatic “Brain Drain”

Jack Sloan ⁽¹⁾ - **Courtney Brighthouse** ⁽¹⁾ - **Carolyn Barrett** ⁽¹⁾ - **Tonja Emans** ⁽¹⁾ - **Fiona McBryde** ⁽¹⁾

⁽¹⁾ University of Auckland, University of Auckland, dept of Physiology, Auckland, New Zealand



POSTER LIST

DAY 1 – THURSDAY 3rd SEPTEMBER

P55 / Day 1 - Mapping the Autonomic Landscape of Unpleasant Experiences through SCR, Heart Rate, and Pupillometry

Maria Rosa Bufo ⁽¹⁾ - **Roger Watkins** ⁽¹⁾ - **Rochelle Ackerley** ⁽¹⁾

⁽¹⁾ CNRS, Aix-Marseille Université, Marseille, France

P56 / Day 1 - Auto-induced cognitive trance modulates the physiological response to stress

Sabrina Rodrigues ⁽¹⁾ - **François Feron** ⁽²⁾ - **Agnès Trébuchon** ⁽³⁾

⁽¹⁾ Institut de Neurosciences des Systèmes/Institute of Neurophysiopathology, Aix-Marseille University, Marseille, France - ⁽²⁾ Institute of Neurophysiopathology, Aix-Marseille University, Marseille, France - ⁽³⁾ Institut de Neurosciences des Systèmes, Aix-Marseille University, Marseille, France



POSTER LIST

DAY 2 – FRIDAY 4th SEPTEMBER

P1 /Day 2 - STED microscopy and transmission electron microscopy reveal mitochondrial reverse remodelling following respiratory heart rate variability pacing in heart failure

Serah 'Otukolo ⁽¹⁾ - **George Guo** ⁽¹⁾ - **Julia Shanks** ⁽¹⁾ - **Mridula Pachen** ⁽¹⁾ - **Jizhong Bai** ⁽¹⁾ - **Hussam Moammer** ⁽¹⁾ - **Martin Middleditch** ⁽¹⁾ - **Chris Pook** ⁽¹⁾ - **Eric Thorstensen** ⁽¹⁾ - **Audrys Pauza** ⁽¹⁾ - **Angus Grey** ⁽¹⁾ - **Julian Paton** ⁽¹⁾ - **Rohit Ramchandra** ⁽¹⁾ - **David Crossman** ⁽¹⁾

⁽¹⁾ University of Auckland, University of Auckland, Auckland, New Zealand

P2/ Day 2 - Adding carbon dioxide to acute intermittent hypoxia potentiates sympathetic long-term facilitation in rodents with high-thoracic spinal cord injury

Mina Kafashi ⁽¹⁾ - **Oliver Wearing** ⁽¹⁾ - **Tara Fortino** ⁽¹⁾ - **Julia Hansen** ⁽¹⁾ - **Paige pomeroy** ⁽¹⁾ - **Christopher West** ⁽¹⁾

⁽¹⁾ University of British Columbia, Department of Cellular and Physiological Sciences, Vancouver, Canada

P3 / Day 2 - Efficacy of six weeks of supervised Yoga on pain perception and autonomic profile in Fibromyalgia Patients: A Randomised Controlled Trial.

Garima Sharma ⁽¹⁾ - **Uma Kumar** ⁽²⁾ - **Rajkumar Yadav** ⁽¹⁾ - **Renu Bhatia** ⁽¹⁾

⁽¹⁾ AIIMS New Delhi, Physiology, New Delhi, India - ⁽²⁾ AIIMS New Delhi, Medicine, New Delhi, India

P4 / Day 2 - Mesenteric venous blood volume shift by adrenergic blockade in conscious hypertensive rats.

Tonja Emans ⁽¹⁾ - **Courtney Brighthouse** ⁽¹⁾ - **Jack Sloan** ⁽¹⁾ - **Carolyn Barrett** ⁽¹⁾ - **Julian Paton** ⁽¹⁾ - **Fiona McBryde** ⁽¹⁾

⁽¹⁾ Manaaki Mānawa – The Centre for Heart Research, Department of Physiology, University of Auckland, Auckland, New Zealand

P5 /Day 2 - Attenuating Cardiac Sympathetic Tone via Cryoneurolytic Stellate Ganglion Ablation

Rami Aladham ⁽¹⁾ - **Wei-Hsin Chung** ⁽¹⁾ - **Sahil Haridas** ⁽¹⁾ - **Lily DeFelice** ⁽¹⁾ - **Steven Cha** ⁽¹⁾ - **Shyue-An Chan** ⁽²⁾ - **Jeffery Ardell** ⁽¹⁾ - **Olujimi Ajijola** ⁽¹⁾ - **Peter Hanna** ⁽¹⁾

⁽¹⁾ University of California, Los Angeles, David Geffen School of Medicine / Division of Cardiology, Los Angeles, United States - ⁽²⁾ Case Western Reserve University, Case Western Reserve University / Department of Physiology and Biophysics, Cleveland, United States

P6 / Day 2 - Short-term heart rate variability assessment shows transient vagal dysfunction at 4 weeks post-surgery for head and neck cancer

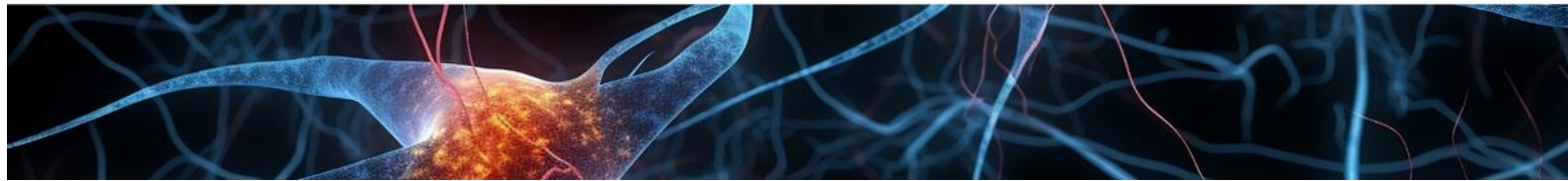
Dinu Santha Chandran ⁽¹⁾ - **Priyanka Agarwal** ⁽²⁾ - **Nikunj Aggarwal** ⁽²⁾ - **Mridul Rathi** ⁽²⁾ - **Smriti Panda** ⁽²⁾

⁽¹⁾ All India Institute of Medical Sciences, New Delhi, Department of Physiology, New Delhi, India - ⁽²⁾ All India Institute of Medical Sciences, New Delhi, Department of E.N.T., New Delhi, India

P7 / Day 2 - Chronotropic Incompetency at the Onset of Volitional Handgrip Exercise in Individuals With Drug-Resistant Epilepsy

Pascal Peloquin ⁽¹⁾ - **Hannah Gray** ⁽¹⁾ - **Grace Vo-Edwards** ⁽¹⁾ - **Matteo Biglioli** ⁽¹⁾ - **Denis Tzvetkov** ⁽¹⁾ - **Jorge Burneo** ⁽²⁾ - **Giovanni Pelligrino** ⁽²⁾ - **Helen Kreinter** ⁽³⁾ - **Ana Suller-Marti** ⁽²⁾ - **Kevin Shoemaker** ⁽¹⁾

⁽¹⁾ University of Western Ontario, Kinesiology, London, Canada - ⁽²⁾ University of Western Ontario, Neurology, London, Canada - ⁽³⁾ Ottawa Hospital Research Institute, Ottawa, Ottawa, Canada



POSTER LIST

DAY 2 – FRIDAY 4th SEPTEMBER

P8 / Day 2- Preferential renal tubular injury and increased renal sympathetic activity occur during the early stages of DOCA-Salt hypertension in male rats

Edina Da Luz Abreu ⁽¹⁾ - Rafael Santos Carvalho ⁽¹⁾ - Ana Caroline Marreiros ⁽²⁾ - Stephanie Furtado Gerolin ⁽²⁾ - Laura Barroso Ferreira Oliveira ⁽³⁾ - Maria Eduarda Abreu Cunha ⁽³⁾ - Diogo Barros Peruchetti ⁽³⁾ - Cristiane Damas Gil ⁽⁴⁾ - Cássia Toledo Bergamaschi ⁽²⁾ - Ruy Ribeiro de Campos Junior ⁽²⁾

⁽¹⁾ UNIFESP, Physiology, São Paulo, Brasil - ⁽²⁾ UNIFESP, Physiology, São Paulo, Brazil - ⁽³⁾ UFMG, Physiology, Belo Horizonte, Brasil - ⁽⁴⁾ UNIFESP, Morphology, São Paulo, Brasil

P9 / Day 2 - Ambulatory Blood Pressure Monitoring In Persons With Spinal Cord Injury

Thomas Høgh-Maagaard ⁽¹⁾ - Jørgen Vibjerg ⁽¹⁾ - Alexander Lunde Ammitzbøll ⁽¹⁾ - Paul Rober ⁽¹⁾ - Vasilica Lazarini ⁽¹⁾ - **Ellen Merete Hagen** ⁽²⁾

⁽¹⁾ Viborg Regional Hospital, Department of Neurology, Viborg, Denmark - ⁽²⁾ Viborg Regional Hospital/ Aarhus University, Department of Neurology/ Department of Clinical Medicine, Viborg, Denmark

P10 / Day 2 - Thoracoscopic Bilateral Sympathectomy for Medically Refractory Vasospastic Angina

Jin Yong Jeong ⁽¹⁾ - Jaeho Byeon ⁽²⁾

⁽¹⁾ Korean Society for Thoracic & Cardiovascular Surgery, Incheon St. Mary's Hospital / College of Medicine, The Catholic University of Korea / Department of Thoracic & Cardiovascular Surgery, Incheon, Korea, Republic Of - ⁽²⁾ Korean Society of Cardiology, Incheon St. Mary's Hospital / College of Medicine, The Catholic University of Korea / Department of Cardiology, Incheon, Korea, Republic Of

P11 / Day 2 - Pyridostigmine for autonomic dysfunction and symptoms in post-COVID- 19 condition: a randomized double-blind placebo-controlled crossover clinical trial.

Joelma Carvalho ⁽¹⁾ - Natalia Rocha ⁽¹⁾ - Helena Rocha ⁽¹⁾ - João Dario de Mattos ⁽¹⁾ - Eliza Prodel ⁽¹⁾ - João Paulo Carvalho ⁽¹⁾ - Maria Argentino ⁽¹⁾ - Gabriela Menezes ⁽²⁾ - Renata Teixeira Castro ⁽¹⁾ - Antonio Claudio Nóbrega ⁽¹⁾

⁽¹⁾ Laboratory of Exercise Sciences, Federal Fluminense University, Niterói, Brazil - ⁽²⁾ Universidade de Iguazu, Universidade de Iguazu, Rio de Janeiro, Brazil

P12 / Day 2 - Feasibility of proteomic profiling of PLP1-tdTomato-positive glial cells from the heart

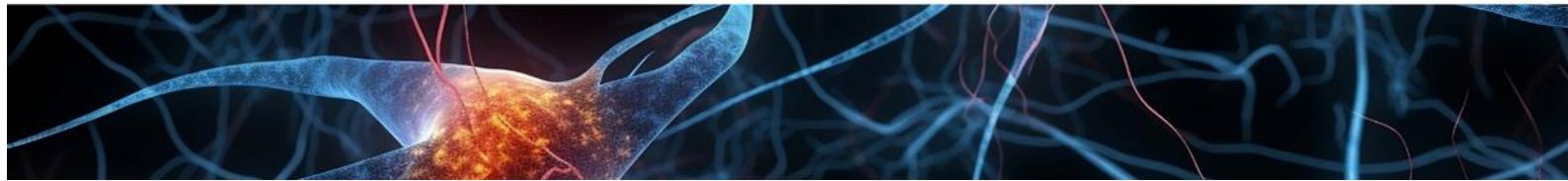
Paula Hebing ⁽¹⁾ - Yu-Wen Dai ⁽¹⁾ - Amin Daryaie ⁽¹⁾ - Christof Lenz ⁽²⁾ - Lisa Neuenroth ⁽²⁾ - Jose Gomez-Sanchez ⁽³⁾ - Nikolaj Klöcker ⁽¹⁾ - Christian Meyer ⁽⁴⁾ - Katharina Scherschel ⁽¹⁾

⁽¹⁾ Universitätsklinikum Düsseldorf, Institut für Neuro- und Sinnesphysiologie, Düsseldorf, Germany - ⁽²⁾ Universitätsmedizin Göttingen, Interdisziplinäres UMG-Labor, Göttingen, Germany - ⁽³⁾ Universidad Miguel Hernández de Elche, Instituto de Neurociencias, Alicante, Spain - ⁽⁴⁾ Evangelisches Krankenhaus Düsseldorf, Klinik für Kardiologie, Düsseldorf, Germany

P13 / Day 2 - Renal nerve afferents drive preferential renal sympathoexcitation in response to acute renal ischemia/reperfusion in rats.

Ana C. Marreiros ⁽¹⁾ - Rafael S. Carvalho ⁽¹⁾ - Maya Okuyama ⁽¹⁾ - Maycon I. Milanez ⁽¹⁾ - Edina A. Da Luz ⁽¹⁾ - Erika E. Nishi ⁽¹⁾ - Rodrigo Dantas L.M. ⁽¹⁾ - Mark M. Knuepfer ⁽²⁾ - Cassia T. Bergamaschi ⁽¹⁾ - **Ruy R Campos**

⁽¹⁾ School of Medicine, Physiology Department, São Paulo, Brazil - ⁽²⁾ Saint Louis University - SLU, School of Medicine - Pharmacology Department, Saint Louis, United States



POSTER LIST

DAY 2 – FRIDAY 4th SEPTEMBER

P14 / Day 2 - Muscle sympathetic nerve activity is elevated in healthy Pacific Peoples

Ana Luiza Sayegh ⁽¹⁾ - **Caroline Sanches** ⁽¹⁾ - **Satupaitea Viali** ⁽²⁾ - **Daryl Schwenke** ⁽³⁾ - **James Fisher** ⁽⁴⁾

⁽¹⁾ University of Auckland, University of Auckland, Auckland, New Zealand - ⁽²⁾ Oceania University of Medicine, Oceania University of Medicine, Apia, Samoa - ⁽³⁾ University of Otago, Department of Physiology, Dunedin, New Zealand - ⁽⁴⁾ University of Auckland, Department of Physiology, Auckland, New Zealand

P15/ Day 2 - On the hemodynamic response to exercise in Parkinson's disease: does neurogenic orthostatic hypotension matter?

Fabio Giuseppe Laginestra ⁽¹⁾ - **Danilo Iannetta** ⁽¹⁾ - **Erin Suttman** ⁽¹⁾ - **Jeremy Alpenglow** ⁽²⁾ - **Kanokwan Bunsawat** ⁽²⁾ - **Ryan Broxterman** ⁽²⁾ - **Guillaume Lamotte** ⁽³⁾ - **Markus Amann** ⁽¹⁾

⁽¹⁾ University of Utah, Department of Anesthesiology, Salt Lake City, United States - ⁽²⁾ University of Utah, Department of Internal Medicine, Salt Lake City, United States - ⁽³⁾ University of Utah, Department of Neurology, Salt Lake City, United States

P16 / Day 2- LCPOTS Demonstrates Higher Vagal and Lower Sympathetic Tone than Classic POTS

Tatiana Solis-Montenegro ⁽¹⁾ - **Pouya Mehr** ⁽¹⁾ - **Marwa Abd-Eldayem** ⁽¹⁾ - **André Diedrich** ⁽¹⁾ - **Surat Kulapatana** ⁽¹⁾ - **Meenakshi Vinayagam** ⁽¹⁾ - **Cyndya Shibao** ⁽¹⁾

⁽¹⁾ Vanderbilt University Medical Center, Clinical Pharmacology & Genetic Medicine, Nashville, United States

P17/Day 2 - Maintenance of brainstem cholinergic integrity after isoflurane anesthesia and surgical stress: translational relevance for autonomic research

Júlia Ayub ⁽¹⁾ - **Mauricio da Silva Mattar** ⁽¹⁾ - **Breno Lopes Macedo** ⁽¹⁾ - **Bruna Ferreira da Silva** ⁽¹⁾ - **Gabriel Gavazza Noé** ⁽¹⁾ - **Kissylla Brisson Silva** ⁽¹⁾ - **Larissa de Jesus Corrêa** ⁽¹⁾ - **Vitor Sampaio Minassa** ⁽²⁾ - **Thatiany Jardim Batista** ⁽¹⁾ - **Paula Beatriz de Souza** ⁽³⁾ - **Amanda Boina** ⁽³⁾ - **Brayann Gonçalves Felix** ⁽¹⁾ - **Rodolpho José da Silva** ⁽²⁾ - **Juliana Barbosa Coitinho Gonçalves** ⁽⁴⁾ - **Karla Nívea Sampaio** ⁽¹⁾

⁽¹⁾ Pharmaceutical Sciences Post-Graduation Program, Health Science Centre, Federal University of Espírito Santo, Vitória, Brazil - ⁽²⁾ Physiological Sciences Post-Graduation Program, Health Science Centre, Federal University of Espírito Santo, Vitória, Brazil - ⁽³⁾ Pharmaceutical Sciences Department, Health Science Centre, Federal University of Espírito Santo, Vitória, Brazil - ⁽⁴⁾ Biochemistry Post-Graduation Program, Health Science Centre, Federal University of Espírito Santo, Vitória, Brazil

P18 / Day 2 - HPA axis modulation of behavioral, cardiovascular, and neuroendocrine responses to social defeat stress in rats

Gabriela Marie Ferreira Suzuki ⁽¹⁾ - **Ivaldo de Jesus Almeida Belém-Filho** ⁽¹⁾ - **Cristiane Busnardo** ⁽²⁾ - **Higor de Souza Paz** ⁽²⁾ - **Bruna Reato Brandão** ⁽¹⁾ - **Fernando Morgan de Aguiar Corrêa** ⁽¹⁾

⁽¹⁾ University of São Paulo, Ribeirão Preto Medical School/ Department of Pharmacology, Ribeirão Preto, Brazil - ⁽²⁾ São Paulo State University, School of Pharmaceutical Sciences/Department of Drugs and Medicines, Araraquara, Brazil



POSTER LIST

DAY 2 – FRIDAY 4th SEPTEMBER

P19 / Day 2 - Sex Matters: Differential Effects of Isoflurane and Surgical Stress on Serum Cholinesterase Activity in Male and Female Wistar Rats

Mauricio Silva Mattar ⁽¹⁾ - Breno Lopes Macedo ⁽¹⁾ - Bruna Ferreira da Silva ⁽¹⁾ - Gabriel Gavazza Noé ⁽¹⁾ - Kissylla Brisson Silva ⁽¹⁾ - Larissa de Jesus Correa ⁽¹⁾ - Júlia Grigorini Mori Ayub ⁽¹⁾ - Vitor Sampaio Minassa ⁽²⁾ - Thatiany Jardim Batista ⁽¹⁾ - Paula Beatriz de Souza Assis ⁽³⁾ - Amanda Boina ⁽³⁾ - Brayann Gonçalves Felix ⁽¹⁾ - Rodolpho José da Silva Barros ⁽²⁾ - Julian Francis Richmond Paton ⁽⁴⁾ - Juliana Barbosa Coitinho Gonçalves ⁽⁵⁾ - Karla Nívea Sampaio ⁽¹⁾

- ⁽¹⁾ Health Science Centre, Vitória, Brazil - ⁽²⁾ Federal University of Espírito Santo, Physiological Sciences Post-Graduation Program - Health Science Centre, Vitória, Brazil - ⁽³⁾ Federal University of Espírito Santo, Pharmaceutical Sciences Department - Health Science Centre, Vitória, Brazil - ⁽⁴⁾ University of Auckland, Grafton Campus, The Centre for Heart Research – Manaaki Mānawa, Department of Physiology, Faculty of Health & Medical Sciences, Auckland, New Zealand - ⁽⁵⁾ Federal University of Espírito Santo, Biochemistry Post-Graduation Program - Health Science Centre, Vitória, Brazil

P20 / Day 2 - Voluntary Exercise and the Exerkine Irisin Preserve Blood-Brain Barrier Homeostasis Under Chronic Stress

Hidefumi Waki ⁽¹⁾ - Linh Pham Thuy ⁽¹⁾ - Yanna Liu ⁽²⁾ - Jimmy Kim ⁽¹⁾ - Ko Yamanaka ⁽¹⁾ - Sabine Gouraud ⁽³⁾
⁽¹⁾ Graduate school of health and sports science, Juntendo University, Chiba, Japan - ⁽²⁾ College of Basic Medical Sciences, Dalian Medical University, Dalian, China - ⁽³⁾ Department of Natural Sciences, International Christian University, Tokyo, Japan

P21 / Day 2 - Splenic Denervation Improves arterial pressure and Autonomic Dysfunction in Renovascular Hypertension

Gustavo R. Martins ⁽¹⁾ - Vinicia C. Biancardi ⁽²⁾ - Vinicius C. Diniz ⁽¹⁾ - Steohanie F. Gerolin ⁽¹⁾ - Cristiane D. Gil ⁽³⁾ - Ruy R. Campos ⁽¹⁾ - **Cassia Bergamaschi** ⁽¹⁾

⁽¹⁾ Federal University of São Paulo, Department of Physiology, São Paulo, Brazil - ⁽²⁾ Auburn University, Anatomy, Physiology and Pharmacology, Auburn, United States - ⁽³⁾ Federal University of São Paulo, Department of Morphology, São Paulo, Brazil

P22 / Day 2 - Central leukotrienes mediate lipopolysaccharide-induced hypothermia

Isis Paiva Trajano ⁽¹⁾ - Maycon Tavares Emílio-Silva ⁽²⁾ - Luiz Guilherme Siqueira Branco ⁽²⁾ - **Luis Henrique Angenendt da Costa** ⁽³⁾

⁽¹⁾ University of São Paulo, Ribeirão Preto Medical School, Ribeirão Preto, Brazil - ⁽²⁾ University of São Paulo, Ribeirão Preto School of Dentistry, Ribeirão Preto, Brazil - ⁽³⁾ University of São Paulo, Ribeirão Preto School of Nursing, Ribeirão Preto, Brazil

P 23 / Day 2 - Optogenetic Vagus Nerve Stimulation: A Novel Strategy to Prevent Respiratory Dysfunction, Neurodegeneration, and Astrocytosis in the 6-hidroxydopamine model of Parkinson's Disease.

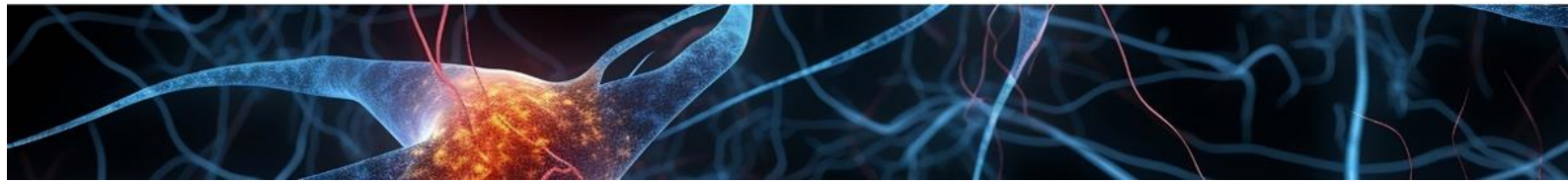
Lais Cabral ⁽¹⁾ - Thiago Moreira ⁽²⁾ - **Ana Takakura** ⁽¹⁾

⁽¹⁾ University of São Paulo, Pharmacology, São Paulo, Brazil - ⁽²⁾ University of São Paulo, Physiology and Biophysics, São Paulo, Brazil

P24 / Day 2 - The adaptive immune system response mediates the loss of long-term muscle opsin expression in channelrhodopsin-based optogenetics

Teodora Nedelkoska ⁽¹⁾ - Fiona Knapman ⁽²⁾ - Elena Shklovskaya ⁽¹⁾ - Helen Rizos ⁽¹⁾ - Bowen Dempsey ⁽¹⁾ - Peter Burke ⁽¹⁾ - Lynne Bilston ⁽²⁾

⁽¹⁾ Macquarie University, Macquarie Medical School, Sydney, Australia - ⁽²⁾ University of New South Wales, Graduate School of Biomedical Engineering, Sydney, Australia



POSTER LIST

DAY 2 – FRIDAY 4th SEPTEMBER

P25 / Day 2 - Assessment of Orthostatic Sympathetic Reactivity by Superficial Vein Imaging

Maëlig Poitevin ⁽¹⁾ - **Nastasia Navasiolava** ⁽²⁾ - **Jacques-Olivier Fortrat** ⁽³⁾

⁽¹⁾ CHU Angers, Chirurgie digestive, Angers, France - ⁽²⁾ CHU Angers, CRC, Angers, France - ⁽³⁾ CHU Angers, Médecine vasculaire, Angers, France

P26 / Day 2 - Underrecognized Small Fiber Neuropathy and Autonomic Dysfunction in Patients with Spondyloarthritis

Ruolin Li ⁽¹⁾ - **Shi Yang Ng** ⁽²⁾ - **Youjin Do** ⁽³⁾ - **Amanda CY Chan** ⁽²⁾

⁽¹⁾ Affiliated Hospital of Jining Medical University, Neurology, Shandong, China - ⁽²⁾ National University of Singapore, Medicine, Singapore, Singapore - ⁽³⁾ National University Hospital, Medicine, Singapore, Singapore

P27 / Day 2 - Choline precursor supplementation improves excitatory/inhibitory homeostasis experimental autism model

Derya Oktay ⁽¹⁾ - **Ozun Ozcan** ⁽²⁾ - **Ekin Dongel-Dayanc** ⁽³⁾ - **Ismail Hakki Ulusoy** ⁽⁴⁾ - **Meltem Kolgazi** ⁽⁵⁾

⁽¹⁾ Acibadem University, Institute of Health Sciences, Department of Neuroscience, Istanbul, Turkey - ⁽²⁾ Middle East Technical University, Department of Biological Sciences, Molecular Biology & Genetics, Ankara, Turkey - ⁽³⁾ Acibadem University, Institute of Health Sciences, Department of Physiology, Istanbul, Turkey - ⁽⁴⁾ Okan University, School of Medicine, Department of Medical Pharmacology, Istanbul, Turkey - ⁽⁵⁾ Acibadem University, School of Medicine, Department of Physiology, Istanbul, Turkey

P28 / Day 2 - Looking Beyond the Burst: Altered Sympathetic Action Potential Recruitment Following Spinal Cord Injury

Jinan Sabouné ⁽¹⁾ - **Mehdi Ahmadian** ⁽¹⁾ - **Arman Rajaei** ⁽²⁾ - **Christopher West** ⁽³⁾

⁽¹⁾ University of British Columbia, Department of Cell and Physiological Sciences, Vancouver, Canada - ⁽²⁾ University of British Columbia, Department of Engineering, Vancouver, Canada - ⁽³⁾ University of British Columbia, Department of Cell and Physiological Sciences/International Collaboration on Repair Discoveries, Vancouver, Canada

P29 / Day 2 - Heartbeat-evoked potentials and symptom recognition in patients with orthostatic hypotension during tilt-table testing

Miguel de Oliveira Carvalho ⁽¹⁾ - **Boriana S. Gagaouzova** ⁽²⁾ - **Luisa Morales Gonzalez** ⁽³⁾ - **Ineke A. van Rossum** ⁽²⁾ - **Fabian I. Kerkhof** ⁽²⁾ - **J. Gert van Dijk** ⁽²⁾ - **Roland D. Thijs** ⁽²⁾

⁽¹⁾ Serviço de Neurologia, Departamento de Neurociências e Saúde Mental, Unidade Local de Saúde Santa Maria, Lisbon, Portugal - ⁽²⁾ Department of Neurology, Leiden University Medical Centre, Leiden, Netherlands - ⁽³⁾ Department of Clinical Pharmacology and Toxicology, Leiden University Medical Centre, Leiden, Netherlands

P30 / Day 2 - Orthostatic Hypotension in Patients with Neurodegenerative Synucleinopathies: Real-World Clinical and Therapeutic Outcomes from an Italian Cohort

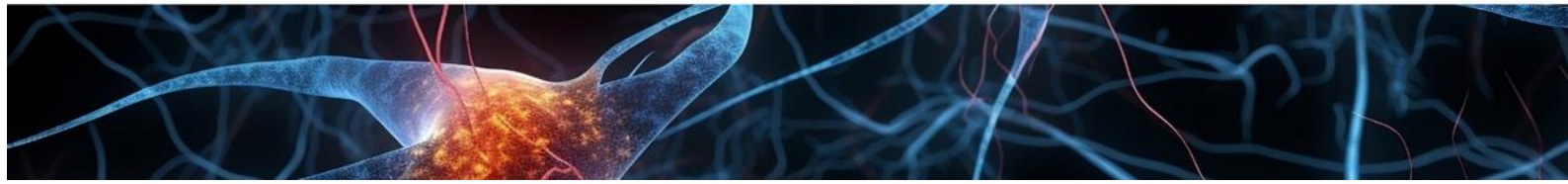
Carla Fasano ⁽¹⁾ - **Micol Gianoli** ⁽¹⁾ - **Giannicola Carrozzo** ⁽¹⁾ - **Ilaria Cani** ⁽¹⁾ - **Federica Provini** ⁽¹⁾ - **Giovanna Calandra-Buonaura** ⁽¹⁾ - **Pietro Guaraldi** ⁽¹⁾

⁽¹⁾ IRCCS Bellaria, Neurology, Bologna, Italy

P31 / Day 2 - Use of Midodrine for Orthostatic Hypotension in a Homeless Patient with Schizophrenia on Long Acting Injectable Paliperidone.

Kirellos Mikhail ⁽¹⁾ - **Henry Kirolos** ⁽¹⁾

⁽¹⁾ University of California, Los Angeles, University of California, Los Angeles, Department of Medicine, Los Angeles, United States



POSTER LIST

DAY 2 – FRIDAY 4th SEPTEMBER

P32 / Day 2 - Effects of recumbent isometric yoga on the postural orthostatic tachycardia syndrome of patients with myalgic encephalomyelitis/chronic fatigue syndrome

Takakazu Oka ⁽¹⁾

⁽¹⁾ The Japan Society of Autonomic Nervous System, Department of Psychosomatic Medicine, International University of Health and Welfare, Otawara, Japan

P33 / Day 2 - Discrepancy between Oscillometric measure in arm vs continuous non invasive measurement using finger photoplethysmography in Diagnosing Orthostatic Hypotension in laboratory setting

Rinkoo Yadav ⁽¹⁾ - **Dinu Santha Chandran** ⁽¹⁾

⁽¹⁾ All India Institute of Medical Sciences, New Delhi, India, All India Institute of Medical Sciences, New Delhi, India, New Delhi, India

P34 / Day 2 - Lower urinary tract symptoms in Parkinson's disease: prevalence and etiology

Stefania Diaconu ⁽¹⁾ - **Iulia Murasan** ⁽¹⁾ - **Raluca Ilea** ⁽¹⁾ - **Rafaela Margarit** ⁽¹⁾ - **Alina Drujescu** ⁽¹⁾ - **Sabina Berzunteanu** ⁽¹⁾ - **Diana Rusu** ⁽¹⁾ - **Ruxandra Dolis** ⁽¹⁾ - **Cristian Falup-Pecurariu** ⁽¹⁾

⁽¹⁾ Transilvania University Brasov, County Clinic Hospital, Brasov, Romania

P35 / Day 2 - Cardiovascular Autonomic Regulation During Sleep in Multiple System Atrophy: Impact of Sleep-Disordered Breathing and CPAP Treatment

Eleonora Tobaldini ⁽¹⁾ - **Angelica Carandina** ⁽¹⁾ - **Gabriel Dias Rodrigues** ⁽²⁾ - **Isabelle Arnulf** ⁽³⁾ - **David Grabli** ⁽⁴⁾ - **Pauline Dodet** ⁽³⁾ - **Nicola Montano** ⁽⁵⁾

⁽¹⁾ Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Department of Internal Medicine, Milan, Italy - ⁽²⁾ Federal Fluminense University, 4Health Lab, Department of Physiology and Pharmacology, Milan, Italy - ⁽³⁾ Pitié-Salpêtrière hospital, Service des Pathologies du Sommeil, Paris, France - ⁽⁴⁾ Pitié-Salpêtrière Hospital, Department of Neurology, Paris, France - ⁽⁵⁾ University of Milan, Department of Clinical Sciences and Community Health, Milan, Italy

P36 / Day 2- Distinct Peripheral Sympathetic Autonomic Profiles in MSA-P and MSA-C: A Skin Biopsy and Cardiovascular Study

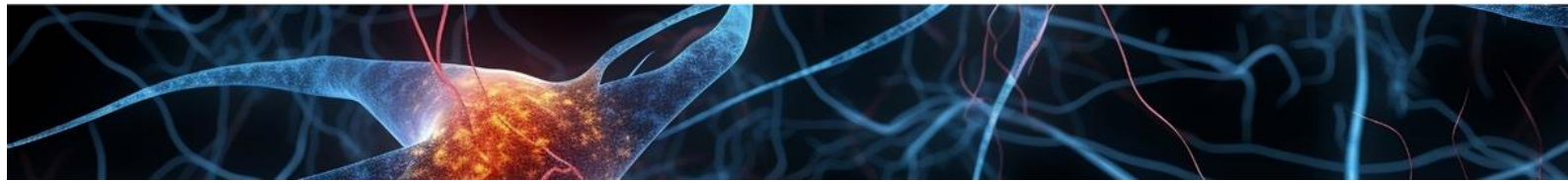
Mattia Tosi ⁽¹⁾ - **Samantha Mazzetti** ⁽¹⁾ - **Alessia Luppino** ⁽¹⁾ - **Giulia Simmini** ⁽¹⁾ - **Raffaella Lombardi** ⁽²⁾ - **Gianfranco Gaudiano** ⁽¹⁾ - **Fabiana Colucci** ⁽¹⁾ - **Valentina Leta** ⁽¹⁾ - **Antonio Emanuele Elia** ⁽¹⁾ - **Daniele Cartelli** ⁽¹⁾ - **Roberto Eleopra** ⁽¹⁾ - **Grazia Devigili** ⁽¹⁾

⁽¹⁾ Fondazione IRCCS Istituto Neurologico Carlo Besta, Parkinson and Movement Disorders Unit, Department of Clinical Neurosciences, Milan, Italy - ⁽²⁾ Fondazione IRCCS Istituto Neurologico Carlo Besta, Neuroalgology Unit, Milan, Italy

P37 / Day 2 - Nitric oxide synthase activation in nTS is essential to NMDA receptor-dependent evocation of cough

David Farmer ⁽¹⁾ - **Nanako Mori** ⁽²⁾ - **Loren Saulsberry** ⁽³⁾ - **Brendan Canning** ⁽²⁾

⁽¹⁾ Monash University, Neuroscience, Melbourne, Australia - ⁽²⁾ Johns Hopkins Asthma and Allergy Center, Medicine, Baltimore, United States - ⁽³⁾ University of Chicago, Public Health Sciences, Chicago, United States
⁽¹⁾ Department of Physiology, Health and Sports Science, Juntendo University, Inzai, Chiba, Japan



POSTER LIST

DAY 2 – FRIDAY 4th SEPTEMBER

P38 / Day 2 - Role of the olfactory bulb and gut microbiota in rats social synchronization during wheel running

Kanna Sunama ⁽¹⁾ - Mio Matsuyama ⁽¹⁾ - Sawa Takizawa ⁽¹⁾ - Jasenka Zubcevic ⁽²⁾ - Hidefumi Waki ⁽¹⁾ - Ko Yamanaka ⁽¹⁾

⁽¹⁾ Dept. Physiology, Health and Sports Science, Juntendo University, Inzai, Chiba, Japan - ⁽²⁾ Dept. Neurosurgery, Brain & Spine, USF Morsani College of Medicine, Tampa, FL, United States

P39 / Day 2 - Transcriptomic analysis of TRPV1+ kidney-innervating spinal and vagal sensory neurons

Brianna Dailey-Krempe ⁽¹⁾ - Lindsey O'Brien ⁽²⁾ - Iabes Vilone ⁽¹⁾ - Maureen Riedl ⁽¹⁾ - Ying Zhang ⁽³⁾ - Daryl Gohl ⁽²⁾ - John Osborn ⁽⁴⁾ - Lucy Vulchanova ⁽¹⁾

⁽¹⁾ University of Minnesota, Neuroscience, Minneapolis, United States - ⁽²⁾ University of Minnesota, Genomics Center, Minneapolis, United States - ⁽³⁾ University of Minnesota, Supercomputing Institute, Minneapolis, United States - ⁽⁴⁾ University of Minnesota, Surgery, Minneapolis, United States

P40 / Day 2 - Possible role of VIP neurons in the sensory vagal pathway in cardiovascular regulation after treadmill exercise in mice

Mamoru Tanida ⁽¹⁾ - Daisuke Yamada ⁽¹⁾

⁽¹⁾ Kanazawa Medical University, Department of Physiology 2, Uchinada, Japan

P41 / Day 2 - A suspended animation state mimics natural torpor and protects against ischemic brain injury

Luis Henrique Angenendt da Costa ⁽¹⁾ - Beste Noyan ⁽²⁾ - Dandan Wang ⁽²⁾ - Nicole Lynch ⁽²⁾ - Caterina Gasperini ⁽³⁾ - Richard Giadone ⁽³⁾ - Mahitha Juttu ⁽³⁾ - Raina Sohur ⁽²⁾ - Keilana Godhwani ⁽²⁾ - Simon Robson ⁽²⁾ - Luiz Guilherme Siqueira Branco ⁽⁴⁾ - Amjad Shehadah ⁽²⁾ - Lee Rubin ⁽³⁾ - Shingo Kajimura ⁽²⁾ - Clifford Saper ⁽²⁾ - Natalia Machado ⁽²⁾

⁽¹⁾ University of Sao Paulo, Ribeirao Preto School of Nursing, Ribeirao Preto, Brazil - ⁽²⁾ Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, United States - ⁽³⁾ Harvard University, Department of Stem Cell and Regenerative Biology, Boston, United States - ⁽⁴⁾ University of Sao Paulo, Ribeirao Preto School of Dentistry, Ribeirao Preto, Brazil

P42 / Day 2 - Purinergic modulation of oxytocinergic PVN-DMV signaling in liver-projecting vagal neurons

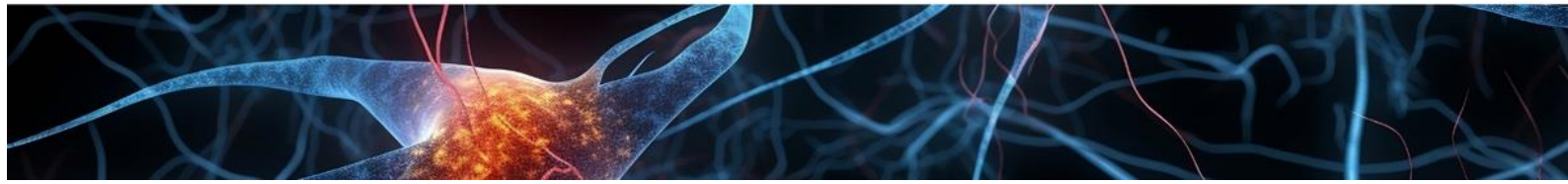
Paula Magalhães Gomes ⁽¹⁾ - Karoline Martins dos Santos ⁽²⁾ - Guilherme Shigueto Vilar Higa ⁽³⁾ - Roberto De Pasquale ⁽¹⁾ - Vagner Roberto Antunes ⁽¹⁾

⁽¹⁾ Brazilian Society of Physiology, Department of Physiology and Biophysics, Institute of Biomedical Sciences, University of São Paulo, São Paulo, Brazil - ⁽²⁾ Brazilian Society of Physiology, Department of Biophysics, Paulista School of Medicine, Federal University of São Paulo, São Paulo, São Paulo, Brazil - ⁽³⁾ Brazilian Society of Physiology, Department of Biochemistry, Institute of Chemistry, University of São Paulo, São Paulo, Brazil

P43 / Day 2 - NPB/W Signaling System in the Gastrointestinal Tract: Altered Gene Expression and Inhibitory Effects on Colonic Motility in Diabetes

Tomas Chmelir ⁽¹⁾ - Dagmar Stepanova Jarkovska ⁽¹⁾ - Tereza Smrhova ⁽¹⁾ - Magdalena Chottova Dvorakova ⁽¹⁾ - Shashank Pandey ⁽²⁾

⁽¹⁾ Charles University, Department of Physiology, Faculty of Medicine in Pilsen, Pilsen, Czech Republic - ⁽²⁾ Charles University, Department of Pharmacology and Toxicology, Faculty of Medicine in Pilsen, Pilsen, Czech Republic



POSTER LIST

DAY 2 – FRIDAY 4th SEPTEMBER

P44 / Day 2 - Maternal Gut Dysbiosis Disrupts Enteric Nervous System Organization and Cortical Inhibitory Circuit Development in Offspring

Mohammed Nakhal ⁽¹⁾ - **Mohammad Hamad** ⁽¹⁾

⁽¹⁾ United Arab Emirates University, Anatomy, Al Ain, United Arab Emirates

P45 / Day 2 - Sex-specific autonomic dysregulation of cardiovascular and ventilatory functions following acute irreversible acetylcholinesterase inhibition

Bruna Ferreira da Silva ⁽¹⁾ - **Breno Lopes Macedo** ⁽¹⁾ - **Gabriel Gavazza Noé** ⁽¹⁾ - **Maurício da Silva Mattar** ⁽¹⁾ - **Kissylla Brisson da Silva** ⁽¹⁾ - **Amanda Boina** ⁽¹⁾ - **Paula Beatriz de Souza Assis** ⁽¹⁾ - **Vítor Sampaio Minassa** ⁽¹⁾ - **Júlia Grigorini Mori Ayub** ⁽¹⁾ - **Fiona McBryde** ⁽²⁾ - **Thatiany Jardim Batista** ⁽¹⁾ - **Karla Nívea Sampaio** ⁽¹⁾

⁽¹⁾ UFES, Federal University of Espírito Santo, Vitória, Brazil - ⁽²⁾ UoA, University of Auckland, Auckland, New Zealand

P46 / Day 2 - Effects of aging and hypertension on neurochemical composition of vagal sensory ganglia

Neringa Pauziene ⁽¹⁾ - **Jekaterina Kolenda** ⁽¹⁾ - **Kristina Rysevaite-Kyguoliene** ⁽¹⁾

⁽¹⁾ ISAN, Lithuanian University of Health Sciences, Institute of Anatomy, Kaunas, Lithuania

P47 / Day 2 - Digital pulp function – autonomic fibres control unveiled by high frequency ultrasound imaging

Antonin Gechev ⁽¹⁾

⁽¹⁾ EMEAC IFCN, Royal Free London Hospital, London, United Kingdom

P48 / Day 2 - Heart Rate Fragmentation as a Marker of Autonomic Function in Healthy Young Individuals: Insights from Graded Head-up Tilt Test and Controlled Breathing

Thais Marques da Silva ⁽¹⁾ - **Angelica Carandina** ⁽¹⁾ - **Costanza Scatà** ⁽²⁾ - **Greta Salafia** ⁽¹⁾ - **Francesca Magna** ⁽¹⁾ - **Lucia Silvia Giobbi** ⁽¹⁾ - **Gabriel Dias Rodrigues** ⁽¹⁾ - **Eleonora Tobaldini** ⁽¹⁾ - **Luiz Eduardo Virgílio da Silva** ⁽³⁾ - **Helio Cesar Salgado** ⁽⁴⁾ - **Rubens Fazan Junior** ⁽⁴⁾ - **Nicola Montano** ⁽¹⁾

⁽¹⁾ Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Department of Internal Medicine, Milan, Italy - ⁽²⁾ Department of Excellence 2023-2027, Policlinico, Department of Clinical Sciences and Community Health, Milan, Italy - ⁽³⁾ Children's Hospital of Philadelphia, USA, Department of Biomedical and Health Informatics, Philadelphia, United States - ⁽⁴⁾ Ribeirão Preto Medical School, University of São Paulo, Department of Physiology, Ribeirão Preto, Brazil

P49 / Day 2 - The analysis of the regional cerebral blood flow responses to trigeminal olfactory stimulation and their nicotinic cholinergic regulation

Uchida Sae

Tokyo Metropolitan Institute for Geriatrics and Gerontology, Department of Autonomic Neuroscience, Tokyo, Japan

P50 / Day 2 - Hydrocephalus & Consciousness: Autonomic and Arousal Gains After Shunting.

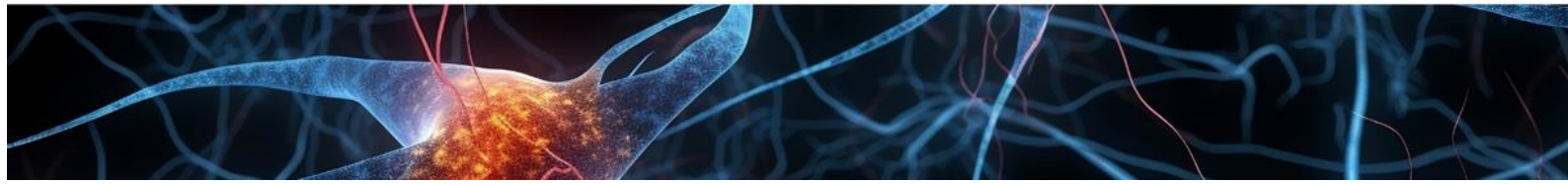
Eric Schmidt ⁽¹⁾ - **Mark Kermorgant** ⁽²⁾ - **Stein Silva Sifontes** ⁽³⁾ - **Anne Pavy Le Traon** ⁽²⁾

⁽¹⁾ Departement of Neurosurgery, University Hospital, TOULOUSE, France - ⁽²⁾ Department of Neurology, University Hospital, TOULOUSE, France - ⁽³⁾ Department of Intensive care, University Hospital, TOULOUSE, France

P51 / Day 2 - Thoracic Sympathectomy as a Dynamic Model of Autonomic Remodeling: Preoperative Phenotyping and Surgical Outcome in Primary Hyperhidrosis

Ece Yuçel ⁽¹⁾

⁽¹⁾ Clinica SU, Istituto dell Iperidrosi Italia, Roma, Italy



POSTER LIST

DAY 2 – FRIDAY 4th SEPTEMBER

P52 / Day 2 - Post-viral Postural Orthostatic Tachycardia Syndrome (POTS): A comparison of two-year outcomes in POTS triggered by COVID-19 Vs. other viral infections

Gemma Wilson ⁽¹⁾ - Marie-Claire Seeley ⁽¹⁾ - Dennis Lau ⁽¹⁾ - Celine Gallagher ⁽¹⁾

⁽¹⁾ The Australian Dysautonomia and Arrhythmia Research Collaborative, Adelaide University, Adelaide, Australia

P53 / Day 2 - Heart Evoked Potential Modulation by Deep Brain Stimulation of the Subthalamic Nucleus for Parkinson's Disease: Links to Interoception and Sympathovagal Tone.

Alceste Deli ⁽¹⁾ - Bryony Ishihara ⁽²⁾ - David Martin Lopez ⁽³⁾ - Michael Hart ⁽²⁾ - Erlick Pereira ⁽²⁾ - Francesca Morgante ⁽²⁾ - Tina Forster ⁽⁴⁾ - Lucia Ricciardi ⁽²⁾

⁽¹⁾ National Institute for Health and Care Research, Neuroscience and Cell Biology Research Institute, City St George's University, London, United Kingdom - ⁽²⁾ -, Neuroscience and Cell Biology Research Institute, City St George's University, London, United Kingdom - ⁽³⁾ -, Neurophysiology Department, St George's Hospital, London, United Kingdom - ⁽⁴⁾ -, Centre for Clinical, Social and Cognitive Neuroscience, City St George's University, London, United Kingdom

P54 / Day 2 - Relationship between depressive symptoms, quality of life, cardiovascular autonomic control and inflammation in patients with bipolar disorder (Preliminary result of "DOMINO" study)

Lucia Silvia Giobbi ⁽¹⁾ - Costanza Scatà ⁽²⁾ - Angelica Carandina ⁽¹⁾ - Vanessa Conforto ⁽³⁾ - Yael Coen ⁽³⁾ - Jacopo Aiello ⁽¹⁾ - Beatrice Arosio ⁽²⁾ - Elena Bondi ⁽⁴⁾ - Letizia D'Antoni ⁽⁵⁾ - Giandomenico Schiena ⁽³⁾ - Paolo Brambilla ⁽³⁾ - Eleonora Tobaldini ⁽²⁾ - Nicola Montano ⁽²⁾

- ⁽¹⁾ Ospedale Maggiore Policlinico, SC Medicina Interna, Milan, Italy - ⁽²⁾ Università degli studi di Milano Statale, Scienze Cliniche e della Salute Pubblica, Milan, Italy - ⁽³⁾ IRCCS Fondazione Ca' Granda - Ospedale Maggiore Policlinico, SC Psichiatria, Milan, Italy - ⁽⁴⁾ Università degli Studi di Milano Statale, Fisiopatologia Medico-Chirurgica e dei Trapianti, Milan, Italy - ⁽⁵⁾ IRCCS Fondazione Ca' Granda - Ospedale Maggiore Policlinico, Neuroscienze e Salute Mentale, Milan, Italy

P55 / Day 2 - Exercise and Anxiety: Findings from an 8-week randomised control trial investigating changes in physiological and perceptual sensitivity to hypercapnia

Jamieson Paul ⁽¹⁾ - Ella McLeod ⁽²⁾ - Madeleine Connor ⁽³⁾ - Bruce Russell ⁽⁴⁾ - Robin Turner ⁽⁵⁾ - Olivia Harrison ⁽¹⁾

⁽¹⁾ IMAGE Otago, ISAN, ASAN, Department of Psychology, University of Otago, Dunedin, New Zealand - ⁽²⁾ IMAGE Otago, Department of Psychology, University of Otago, Dunedin, New Zealand - ⁽³⁾ IMAGE Otago, School of Physical Education, Sport and Exercise Sciences, University of Otago, Dunedin, New Zealand - ⁽⁴⁾ IMAGE Otago, School of Pharmacy, University of Otago, Dunedin, New Zealand - ⁽⁵⁾ IMAGE Otago, Department of Preventative and Social Medicine, University of Otago, Dunedin, New Zealand