SECOND UNESP-UF-UTHSCSA Symposium: "Hypertension Research Exchange Program: Central Nervous System and Angiotensin II" October 28 to November 03, 2015 at School of Dentistry of Araraquara, UNESP

Organizers: Prof.Dr. Eduardo Colombari e Profa.Dra. Débora S.A. Colombari

Associated to the Course: CFS-245 – Citocinas e Hipertensão/Profa. Dra. Débora Simões de Almeida Colombari (Joint Graduate Program in Physiological Sciences PIPGCF UFSCar/UNESP) – contato: deborac@foar.unesp.br

And, Graduate Program in Pharmacology, UNIFESP - Contato: eduardo.colombari@foar.unesp.br

OCTOBER 28 – WEDNESDAY – UNESP-FOAr

8:30 – 10:00 – Mechanisms of Arterial Hypertension: Consensus and Controversy – Glenn Toney, PhD, The University of Texas Health Science Center at San Antonio (UTHSCSA), San Antonio, TX, USA.

12:00 – 14:00 – LUNCH

14:00 - 15:15 - ARTERIAL PRESSURE REGULATION – AN OVERVIEW Eduardo Colombari, PhD, São Paulo State University (UNESP), School of Dentistry - FOAr, Araraquara, SP, Brazil.

15:15 – 16:00 – LONG-TERM FACILITATION OF EXPIRATORY AND SYMPATHETIC ACTIVITIES FOLLOWING ACUTE INTERMITTENT HYPOXIA IN RATS. - Eduardo Vieira, PhD Student, São Paulo State University (UNESP), School of Dentistry -FOAr, Araraquara, SP, Brazil.

16:00 – 16:30 – COFFEE BREAK

16:30 – 17:00 – CONTROL OF SYMPATHETIC AND RESPIRATORY ACTIVITY BY CHOLINERGIC MECHANISMS WITHIN THE COMMISSURAL NUCLEUS OF THE SOLITARY TRACT - Werner Issao Furuya – PhD Student, São Paulo State University (UNESP), School of Dentistry -FOAr, Araraquara, SP, Brazil (Joint Graduate Program in Physiological Sciences PIPGCF UFSCar/UNESP).

17:00 – 18:00 – DISCUSSION

OCTOBER 29 – THURSDAY – UNESP-FOAr

08:00 - 12:00 – NO LECTURES - PI’S DISCUSSION OF ONGOING AND FUTURE PROJECTS.

12:00 – 14:00 – LUNCH

14:30 - 15:30 – COMMON NEUROADAPTATIONS TO INTERMITTENT HYPOXIA CONTRIBUTE TO NEUROGENIC HYPERTENSION – Glenn Toney, PhD, The University of Texas Health Science Center at San Antonio (UTHSCSA), San Antonio, TX, USA.

15:30 – 16:30 – CAROTID BODY OVERACTIVITY INDUCES RESPIRATORY NEURONE CHANNELOPATHY CONTRIBUTING TO NEUROGENIC HYPERTENSION - Davi Moraes, PhD, University of São Paulo, School of Medicine of Ribeirão Preto -FMRP-USP, Ribeirão Preto,SP, Brazil.

16:30 – 17:00 – COFFEE BREAK

17:00 – 18:00 – HYPERPOLARIZATION-ACTIVATED AND CYCLIC NUCLEOTIDE GATED CATION CHANNELS AS TARGETS FOR NITRIC OXIDE SIGNALING IN NEURONS OF THE SUPRAOPTIC NUCLEUS. Melina Pires da Silva, PhD, University of São Paulo, School of Medicine of Ribeirão Preto -FMRP-USP, Ribeirão Preto,SP, Brazil.

18:00 – 18:30 – DISCUSSION

OCTOBER 30 – FRIDAY – UNESP-FOAr

9:00 – 10:00 – REEXAMINING NEURAL CONTROL OF BLOOD PRESSURE BASED ON SLOW NEUROVASCULAR COUPLING DYNAMICS. - Glenn Toney, PhD, The University of Texas Health Science Center at San Antonio (UTHSCSA), San Antonio, TX, USA.

10:00 – 10:30 – RESPIRATORY CHANGES IN RENOVASCULAR HYPERTENSION. - Mariana Melo, PhD student, São Paulo State University (UNESP), School of Dentistry -FOAr, Araraquara, SP, Brazil (Graduate Program in Pharmacology, UNIFESP, São Paulo, SP).

10:30 – 10:45 – COFFEE- BREAK
10:45 – 11:45 – LEPTIN AND CARDIORESPIRATORY CONTROL – Mirian Bassi, PhD, São Paulo State University (UNESP), School of Dentistry -FOAr, Araraquara, SP, Brazil.

12:00 – 14:00 – LUNCH

14:30 – 15:00 – RESISTANCE TRAINING PREVENTS CARDIOVASCULAR AND CENTRAL INFLAMMATORY RESPONSES CAUSED BY HIGH-FAT DIET – Guilherme Fleury Fina Speretta, PhD student, São Paulo State University (UNESP), School of Dentistry -FOAr, Araraquara, SP, Brazil (Joint Graduate Program in Physiological Sciences PIPGCF UFSCar/UNESP).

15:00 – 15:30 – BLOOD PRESSURE AND FLUID ELECTROLYTE BALANCE IN HYPERTENSIVE RATS WITH CHRONIC CATALASE BLOCKADE – Mariana Ruiz Lauar – PhD student, São Paulo State University (UNESP), School of Dentistry -FOAr, Araraquara, SP, Brazil (Joint Graduate Program in Physiological Sciences PIPGCF UFSCar/UNESP).

15:30 – 16:00 – COFFEE BREAK

16:00 – 16:30 – ROLE OF THE CAROTID BODIES AND FOREBRAIN IN THE SYMPATHETIC AND RESPIRATORY RESPONSES INDUCED BY HYPEROSMOLALITY. Elaine F Silva, PhD student, Federal University of Goias, Goiania, GO, Brazil.

16:30 – 17:00 – INVOLVEMENT OF THE MEDIAN PREOPTIC NUCLEUS IN TONIC CONTROL OF THE HYPERTENSION. Aline Mourão, PhD student, Federal University of Goias, Goiania, GO, Brazil.

17:00 – 18:00 – DISCUSSION.

NOVEMBER 3 – TUESDAY – UNESP-FOAr

08:30 – 09:30 - BRAIN ATR2R: A THERAPEUTIC TARGET IN HIGH BLOOD PRESSURE?. Colin Sumners, PhD, University of Florida (UF), College of Medicine, Gainesville, FL, USA.

09:30 – 10:30 - WHO AM I? AND IF SO, HOW MANY? - A STORY OF AT2 AND MAS. Ulrike Muscha Steckelings, PhD, University of Southern Denmark, Department of Cardiovascular and Renal Research, Odense, Denmark.

10:30 – 10:45 - COFFEE- BREAK

10:45 – 11:15 – AT1 RECEPTOR BLOCKADE IN THE NUCLEUS OF THE SOLITARY TRACT REDUCES THE CARDIOVASCULAR RESPONSES INDUCED BY HIGH-FAT DIET- Guilherme Fleury Fina Speretta, PhD student, São Paulo State University (UNESP), School of Dentistry -FOAr, Araraquara, SP, Brazil (Joint Graduate Program in Physiological Sciences PIPGCF UFSCar/UNESP).

11:15 – 11:45 – MACROPHAGE MIGRATION INHIBITORY FACTOR OVEREXPRESSION INTO THE NUCLEUS OF SOLITARY TRACT ATTENUATES THE DEVELOPMENT OF THE RENOVASCULAR HYPERTENSION – Rafaela Moreira Barbosa, PhD student, São Paulo State University (UNESP), School of Dentistry -FOAr, Araraquara, SP, Brazil (Joint Graduate Program in Physiological Sciences PIPGCF UFSCar/UNESP).

12:00 – 14:00 – LUNCH

14:30 – 15:30 - THE PROTECTIVE RENIN-ANGIOTENSIN SYSTEM IN STROKE - Colin Sumners, PhD, University of Florida (UF), College of Medicine, Gainesville, FL, USA.

15:30 – 16:30 - AT2-RECEPTOR STIMULATION AS POTENTIAL FUTURE THERAPEUTIC APPROACH IN CNS DISEASE. - Ulrike Muscha Steckelings, PhD, University of Southern Denmark, Department of Cardiovascular and Renal Research, Odense, Denmark.

16:30 – 16:45 - COFFEE- BREAK

16:45 – 17:15 – THE UTILISATION OF BIOMATERIAL GEL TO REFINE MESENCHYMAL STROMAL CELL-BASED THERAPY FOR HEART FAILURE AND THE BENEFICIAL EFFECTS ON AUTONOMIC FUNCTION. Prashant Jay Ruchaya, PhD, São Paulo State University (UNESP), School of Dentistry -FOAr, Araraquara, SP, Brazil.

17:15 - CLOSING REMARKS – Débora S. A. Colombari and Eduardo Colombari

SPONSORS:
FAPESP, FAPESP/PRONEX, CNPq; CAPES, PROPe-UNESP, SELLEX INC, INTERPRISE®, UNIFESP - Graduate Program in Pharmacology.

Joint Graduate Program in Physiological Sciences PIPGCF UFSCar/UNESP

School of Dentistry, UNESP, Araraquara