

**2020 Annual Meeting of RIDC Redoxoma
3rd RIDC Redoxoma Meeting with the Advisory Committee**

Local: Paschoal Senise, Bloco 6 sup, IQ-USP

Advisory Committee: Gary Fiskum- University of Maryland, USA; Balaraman Kalyanaraman- Medical College of Wisconsin, USA; Rafael Radi Universidad de la Republica, UY.

Day one (11/02/2020)

9:00-9:20 h- Welcome to the 3rd RIDC Redoxoma meeting with the advisory committee- *Ohara Augusto*

9:20-9:30 h- Highlights-Biomolecule Oxidation and Function (Aim 1)- *Marisa Medeiros*

9:30-9:50 h- Lipidomics: challenges and lessons from ALS study- *Adriano Chaves-Filho*

9:50-10:10 h- UVA light induces mitochondria dysfunction and DNA damage: insights from proteomic studies- *Graziela Ronsein*

10:10-10:30 h.- Coffee break

10:30-10:40 h- Highlights-Thiol-based redox proteins (Aim 2)- *Luis Netto*

10:40-11:00 h- Structure-based Insights into the Catalytic Power and Specific Reducibility of Ohr by dihydrolipoamide and lipoylated proteins- *Luis Netto*

11:00-11:20 h- The $\text{HCO}_3^-/\text{CO}_2$ pair increases H_2O_2 -mediated hyperoxidation of human peroxiredoxin 1- *Daniela Truzzi*

11:20-11:30 h- Highlights-Redox Signaling (Aim 3)- *Alicia Kowaltowski*

11:30-11:50 h- Lifespan-extending interventions enhance lipid-supported mitochondrial respiration in *Caenorhabditis elegans*- *Fernanda Cunha*

11:50-12:10 h- A molecular pathway for protein disulfide isomerase effects on Nox1 signaling in Atherosclerosis- *-Lúcia Lopes*

12:10-14:00 h- Lunch

14:00-14:10 h- Highlights- Therapeutic, diagnostic and environmental applications of redox processes (Aim 4)- *Francisco Laurindo*

14:10-14:30 h- Protein Disulfide Isomerase Plasma Levels Reveal Proteomic Signatures Related to Endothelial Function in Healthy Individuals- *Percillia V. S.Oliveira*

14:30-14:50 h-Targeting aldehyde metabolism and mitochondrial dynamics in cardiac diseases - new therapeutic avenues?-*Júlio Ferreira*

14:50-18:00 h. Poster Session

Day two (12/02/2020)

9:00-9:30 h- Highlights-Innovation and tech transfer- *Maurício Baptista*

9:30-10:00 h-Highlights- Education and Science Dissemination- *Carmen Fernandez*

10:00-10:30 h- Advisors meet students, PDs and technicians.

10:30-11:00 h- Coffee break

11:00h- General remarks by Gary Fiskum and Rafale Radi/**Closing**

From then on: Lunch, private meeting with RIDC's steering committee and leave to the airport.