

# PROGRAM



Rio de Janeiro, Brasil

11ª Cimeira Anual N20  
(Cérebro, coluna e saúde mental)

# NEUROCIÊNCIA20


## RIO DE JANEIRO, BRASIL

NOVEMBER 16-17TH, 2024

ASSOCIAÇÃO GLOBAL N-20  
INOVAÇÃO DE ACOMPANHAMENTO RÁPIDO

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**7:00 - 8:00 AM**

**Breakfast and Registration**

**COSTA GOLD HALL**

**8:00 - 8:30 AM**

**Welcoming ceremony by SBMT board and Dignitaries:**

8:00 - 8:10 AM

**Marcos Wagner, MD**

SBMT Board Member and N20 Brazil President

8:10 - 8:15 AM

**Babak Kateb, MD, PhD**

SBMT Chairman of the Board and Chairman of Global N20

8:15 - 8:20 AM

**Vicky Yamamoto, PhD**

20th President and Executive Director of SBMT

8:20 - 8:25 AM

**Ten Cel. Medico Jorge Luiz Amorim Corrêa**

Neurosurgery Direction Aeronautic Health

**8:30 - 8:45 AM**

**Presidential Keynote**  
(Brazilian Member of the Parliament)  
Hon. Luiz Albuquerque Couto  
Federal deputy  
(COSTA GOLD HALL)

**8:45 - 9:30 AM**

**Panel Discussion 1**

**(Costa Gold Hall)**

*Role of Technology in Clinical Neuroscience Across the G20 Healthcare*

**Co-Chairs: Türker Tekin Ergüzel and Babak Kateb**





**(Brazil) Marcos Wagner, MD**, Professor of Neurosurgery, President of N20 Brazil, Member of the Board of SBMT, Member of the Spine and Skull-base subcommittee of the SBMT

**Importance of integrating new Technologies into Medicine in Brazil in Partnership with N20 across**

**(USA) David Baron, MEd, DO, DLFAPA, DFACN**

SBMT Board member and Co-chair of the Psychiatry subcommittee. Vice President and Provost of and Chief Academic Officer of the Western University of Health Sciences.

**Role of Technology in Clinical Neuroscience: A Global Translational Perspective**

**(Turkey) Turker Tekin Ergüzel, PhD**- Professor of Engineering, Uskudar University, Member of the N20 Organizing Committee and Member of Advisory Board of SBMT

**Deep Learning-Based Pioneering and Smart Neuroscience Applications**

**(USA) Babak Kateb, MD, PhD**, Chairman of Neuroscience20 (N20), Founding Chairman of the Board of SBMT, President of the World Brain Mapping Foundation (WBMF), Director of the National Center for Nano-Bio-Electronics (NCNBE), Director of Brain Technology and Innovation Park (BTIP), Co-Founder and CEO of Aramis Therapeutics

**AI, Neurophotonics, Quantum Computing, Nanoneuroscience, Brain Mapping, and Predictive Modeling their Impact on the Diagnosis and treatment Cancer and Neurological Disorders**

**(USA) [Vicky Yamamoto PhD -20th President Of SBMT](#)**, Executive Director of Society for Brain Mapping and Therapeutics (SBMT), Cancer Scientist, USC-Keck School of Medicine, Norris Cancer Center, Cell and Immunotherapy Applications in the management of Neurological Disorders and Cancer

**Future of Cancer Prevention, Diagnosis and Therapy in the era of Artificial Intelligence**

**(Brazil) Alexandre Okano, PhD**, Associate Professor of Neuroscience at the Center for Mathematics, Computing, and Cognition at the Federal University of ABC (UFABC).

**Neuromodulation in High-Performance Sports: Enhancing Athletic Performance through Technology**

**9:30-9:40 AM COFFEE BREAK**





**9:40-10:10 AM**

**Presidential Plenary Keynotes:  
Honorable Nísia Trindade,  
Minister of Health of Brazil**

**The United States Congressman  
Hon. Eric Swalwell**

**Ministry of Health of Brazil,  
(COSTA GOLD HALL)**

**10:10 -10:55 AM**

**Panel Discussion 2**

***Brain Health and Screening (From Science to Policy)***

**Co-Chairs: Babak Kateb and Deborah Zelinsky**

**(Brazil) Karlos Figueiredo, MD** Bahia Government, Superintendent SAIS-SESAB -  
Atenção Integral à Saúde - Secretaria de Saúde do Estado da Bahia

**The challenge of internalizing neurosurgery and neurology in Brazil” - An example of a  
reference hospital for neurosurgery in northeastern Brazil”**

**(Brazil) Wilson Asfora, MD, Neurosurgeon,**

**Head trauma and innovative solutions”**

**Giulio Maria Pasinetti, MD, PhD, Program Director of the Center on Molecular  
Integrative Neuroresilience, Saunders Family Chair in Neurology at the Icahn School of  
Medicine at Mount Sinai (ISMMS) New York City**

**(Brazil) Sheila Martins, MD, PhD, Universidade Federal do Rio Grande do Sul. Stroke  
Service Hospital de Clínicas de Porto Alegre. Head of Neurology Hospital Moinhos de Vento.  
President of the Brazilian Stroke Network. President World Stroke Organization**

**Solutions to fill the gaps in acute stroke care**

**10:55-11:05 COFFEE BREAK**





**11:05-11:20 AM**

**Presidential Plenary Keynote**  
**(Member of the Brazilian Parliament) Hon. Luiz Albuquerque Couto**  
Federal deputy

**Panel Discussion 3**  
**(COSTA GOLD HALL)**

*Brain Screening as a Policy for Preventing, Detecting, and Treating Neurological Disorders*

**Co-Chairs: Babak Kateb and Marcos Wagner**

**11:20 AM- 12:00 NOON**

Policy Discussions with Brazilian Parliament Members:

**(Member of the Brazilian Parliament) Hon. Luiz Albuquerque Couto**  
Federal deputy

**(Member of the Brazilian Parliament) Hon. Pedro Doshikazu Pianchao Aihara**  
Federal deputy

**(Member of the Brazilian Parliament) Hon.. José Haroldo Figueiredo Campos**  
Federal deputy

**(Member of the Brazilian Parliament) Hon. Zacharias Calil Hamu**  
Federal deputy

**(Member of the Brazilian Parliament) Hon. Gildenemir de Lima Sousa**  
Federal deputy

**(Member of the Brazilian Parliament) Hon. Geraldo Resende**  
Federal deputy

**(Member of the Brazilian Parliament) Hon. Reimont Luiz Otoni Santa Barbara**  
Federal deputy

**(Member of the Brazilian Parliament) Hon. Ossesio Jose da Silva**  
Federal deputy

**(Member of the Brazilian Parliament) Hon. Flávia Morais**  
Federal deputy

**Luncheon Keynotes (12:10-12:40)**





**12:10-12:15**

### Presidential Plenary Keynote

**(USA) Giulio Maria Pasinetti, MD, PhD**, Program Director of the Center on Molecular Integrative Neuroresilience, Saunders Family Chair in Neurology at the Icahn School of Medicine at Mount Sinai (ISMMS) New York City. Professor of Neurology, Psychiatry, Neuroscience, and Geriatrics and Palliative Medicine at ISMMS, Program Director of the NIH/NCCIH funded P50 Center on Molecular Integrative Neuroresilience  
**State of Science and Technology for the diagnosis and Treatment of Alzheimer's and Dementia**

**12:20-12:35**

**(Brazil) Sheila Martins, MD, PhD**,  
Universidade Federal do Rio Grande do Sul. Stroke Service Hospital de Clínicas de Porto Alegre.  
Head of Neurology Hospital Moinhos de Vento. President of the Brazilian Stroke Network.  
President World Stroke Organization

Global Policy on Stroke Prevention and Treatment.  
**(COSTA GOLD HALL)**

**12:35-1:30 Networking Luncheon**

**1:30-2:15 PM**

### Panel Discussion 4

#### *Artificial Intelligence (AI) in Neurotech and Neuroscience*

**Co-Chairs: Babak Kateb**

**(Brazil) Danubia da Cunha de Sá Caputo**, Physiotherapist, Professor at UERJ  
Coordinator of the Laboratory of Mechanical Vibrations and Integrative Practices (LAVIMPI) Director of the Department of Teaching and Research at the Piquet Carneiro University Polyclinic,

**Whole-body vibration exercise as an intervention in neurological conditions**

**(USA) Babak Kateb, MD, PhD**, Chairman of Neuroscience20 (N20), Founding Chairman of the Board of SBMT, President of the World Brain Mapping Foundation (WBMF), Director of the National Center for Nano-Bio-Electronics (NCNBE), Director of Brain Technology and Innovation Park (BTIP), Co-Founder and CEO of Aramis Therapeutics

#### **AI Machine Learning & Robotics**

**(Brazil) Gisele Sampaio Silva MD**, Full Professor, Discipline of Clinical Neurology UNIFESP and Head Clinical Trialist in Neurology - HIAE at UNIFESP/HIAE, Head Clinical Trialist in Neurology Albert Einstein Hospital

**Digital solutions for stroke care and prevention**





(Brazil) Helena Carla Castro PhD, Full professor at the Federal Fluminense University (UFF)

How drug planning in the area of neurosciences based on bioinformatics using artificial intelligence

**2:15-2:25 PM COFFEE BREAK**

**2:25-2:40 PM**

(Brazil) Presidential Plenary Keynote  
Ten Cel. Medico Jorge Luiz Amorim Corrêa

Neurosurgery Direction Aeronautic Health

**2:40-2:50 PM**

**2:50-3:00 PM COFFEE BREAK**

(COSTA BUSINESS Hall)

**3:00-3:45 PM**

*Global Forum of Psychiatry*

Co-chairs: **Veviene Spergue, David Baron and Keerthy Sunder**

*Co-chair:*

(USA) Keerthy Sunder, MD, DFAPA, FASAM, DFAPA, Chief Medical Officer, Karma Doctors & Associates Medical Director, Karma TMS, Adjunct Professor, Southern California University of Health Sciences Assistant Clinical Professor, UC Riverside School of Medicine, Board Member Society for Brain Mapping & Therapeutics

**Advances in Neuromodulation in Psychiatry**

(Turkey) Kasif Nevzat Tarhan MD, PhD, Professor at Uskudar University Software Engineering, Co-chair of the Psychiatry Consortium of the Society for Brain Mapping and Therapeutics

**What is the promise of neuromodulation treatment in addiction Psychiatry?**

(USA) Deborah Zelinsky, OD, 21st President of SBMT, Founder of Mind Eye Connection, Northbrook, Illinois, Chair of Ophthalmology and Ophthalmometry Consortium of SBMT

**Future of Optometry**





**3:45-3:55 PM COFFEE BREAK**

**3:55-4:30 PM**

### Panel Discussion B

#### **AUTISM**

Co-chairs: **Veviane Spergue**

**(Brazil) Veviane Spergue, Psychologist, Neuropsychologist and Cognitive Behavioral Therapist**

**“How the government institution can contribute to the family and social occupation and training of autistic adults level 2 and 3”**

**(Brazil) Heloisa Viscaino Pereira, MS, PhD, Pediatrician and neuropediatrician**

Associate teacher Pediatric Department / UERJ

The importance of comprehensive care for autism spectrum disorder over the lifespan

**(Brazil) Thiago Gusmão, MS, CEO and Director of Neurology at CasAbility,**

Child Neurologist at APAE- Cariacica, Child Neurologist at the Center for Support for Autistic People Sweden Brazil/NASB.

Worldwide Impact of Autism: adolescence and transition to adulthood

**(Brazil) Renata Esteves JD, Lawyer and President of the autistic rights committee**

Autism Law Lawyer, President of the 1st Autism Reference Center of Niterói - Oceano

Azul Institute, President Special Committee on the Law of Autistic People and their

Families of OAB Niterói Self under the eyes of an autism mother and wife

**4:30-4:40 PM BREAK**







**4:40-5:35PM**

## **COSTA BUSINESS HALL**

***Global Epilepsy Forum***  
**Co-chairs: Li Li Min and Dawn Eliashiv**

**(Brazil) Li Li Min, MD, PhD, BBA**, Professor of Neurology, University of Campinas, School of Medicine

**(USA) Dawn Eliashiv, MD**, Member of the Board of SBMT, Professor of Neurology, UCLA

**(USA) Dawn Eliashiv, MD**, Member of the Board of SBMT, Professor of Neurology, UCLA

### **Advances in Neurostimulation for Epilepsy Treatment**

Neurostimulation techniques and their future in managing refractory epilepsy, focusing on deep brain stimulation (DBS) and responsive neurostimulation (RNS).

**Fernando Cendes, MD, PhD**

*Neuroimaging in Epilepsy: From Diagnosis to Treatment*

The role of neuroimaging technologies such as MRI, PET, and MEG in the diagnosis, treatment planning, and post-surgical follow-up of epilepsy patients.

**Maria Emilia Cosenza Andraus, MD, PhD**

*Accelerating Solutions for Global Epilepsy with Novel Diagnostics and Apps (The AGENDA Study)*

**4. Aline Priscila Pansani, PhD**, Integrative Laboratory of Cardiovascular and Neurological Pathophysiology

DCiF/ ICB Department of Physiological Sciences  
Federal University of Goiás - Brazil  
Coordinator of AAME-ABE group

**Subject:** SUDEP: The Importance of Awareness and Prevention Strategies

**5:35-5:45PM COFFEE BREAK**





**5:45-6:20 PM**

*Global Cerebrovascular and Stroke Forum*

Co-chairs: Marcos Wagner, Sheila Cristina Ouriques Martins

(Brazil) Raul Nogueira, Head of Neurology Pittsburgh University, US

Advanced Acute Stroke Care for all?

(Brazil) André Ramos, CEO of Mindify, Brazil

Technology can help in stroke care?

(Brazil) Eberval Gadelha, Professor of Neurosurgery at the University of São Paulo, Brazil

The burden of the subarachnoid hemorrhage in developing countries

(Brazil) Marcos Wagner de Souza Porto, SBMT , N20 President of the

Neurosurgery in cerebrovascular disease - what are the gaps and potential solutions?

(Brazil) Sheila Cristina Ouriques Martins, WSO President, Brazil

The global gaps in Stroke care and the World Stroke Organization Initiatives to Accelerate the Implementation

(Switzerland) Maria Fredin Gruper, Executive Director WSO, Switzerland

Global Coalition for Stroke

**6:20-6:30 COFFEE BREAK**





**6:30-7:15 PM**

*Global Forum on Neurotrauma*

Co-chairs: Ana Cristina Veiga Silva and TBD

**Featured Speaker H: Ana Cristina Veiga, MD, MSc**

Neurosurgeon

Master in neurosurgery from Posneuro – Federal University of Pernambuco with a focus on clinical research on traumatic brain injury and medical training with experience in simulation training.

VP ANPALOP - Neurosurgeons Association of Portuguese-speaking African Countries

**Subject:**

**(Brazil) Luan Messias, MD Neurosurgeon** Instituto De Neurocirurgia and Neurologia Da Amazonia Ocidental Inao  
THE PRICE OF PROGRESS: Unveiling the Link Between Deforestation and Spinal Fractures

**(Brazil) Antonio Fernando Souza Oliveira PRF**, Director-General of the Federal Highway Police  
Trauma reduction actions

**(Brazil) Alex Adeodato, DVM, PhD**, President of ABNV (Brazilian Association of Veterinary Neurology), Partner General Director CRV Imagem  
Technological Advances in Veterinary Neurology: From Diagnosis to Treatment

**(Brazil) Marcos Wagner**, President of N20-Brazil,  
Accidents and impacts on Brazil's healthcare system

**7:15- 8:00 PM**

Neuroscience 20 11th Annual Summit Resolution Agreement and Signing

