Proceedings of
11th World Congress on
Neurology and Therapeutics
March 27-29, 2017  Madrid, Spain
### Opening Ceremony

#### Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>09:30-10:10</td>
<td><strong>Title:</strong> Novel basic cell biological approaches to prevent the neuropathological disease symptoms and behavior</td>
<td>Harish C Pant</td>
<td>National Institutes of Health, USA</td>
</tr>
<tr>
<td>10:10-10:50</td>
<td><strong>Title:</strong> Comprehensive stroke care in the rural setting is not a myth</td>
<td>Evelyn M Garcia</td>
<td>Carilion Clinic, USA</td>
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**Networking & Refreshment Break: 10:50-11:10 @ Zamora**

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<tr>
<td>11:10-11:50</td>
<td><strong>Title:</strong> Therapeutic interventions after experimental brain trauma: The good and the not-so-good</td>
<td>Anthony E Kline</td>
<td>University of Pittsburgh, USA</td>
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### Special Session

**Title:** Neurofeedback: An alternative vision in the treatment of neurological and neuropsychiatric disorder

- Jyri Kuusela, Clinical Hospital San Carlos, Spain

#### Sessions:

**Neurology and Neuroimmunology**

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<tr>
<td>12:45-13:15</td>
<td><strong>Title:</strong> Effects of chronic unpredictable stress on cognitive and depressive-like behaviors following experimental brain trauma</td>
<td>Corina O Bondi</td>
<td>University of Pittsburgh, USA</td>
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**Networking & Refreshment Break: 13:15-14:00 @ Zamora**

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<tr>
<td>14:00-14:30</td>
<td><strong>Title:</strong> The Think Fast Study – A randomized controlled study to improve speed of processing in adults with HIV-associated neurocognitive disorder</td>
<td>David E Vance</td>
<td>University of Alabama at Birmingham, USA</td>
</tr>
<tr>
<td>14:30-15:00</td>
<td><strong>Title:</strong> Repurposing the NRF2 activator dimethyl fumarate as therapy against synucleinopathy in Parkinson's disease</td>
<td>Isabel Lastres- Becker</td>
<td>Autonomous University of Madrid, Spain</td>
</tr>
<tr>
<td>15:00-15:30</td>
<td><strong>Title:</strong> Effectiveness of fingolimod in patients with relapsing-remitting multiple sclerosis in daily clinical practice in Spain: Results from a multivariate pool analysis called Fingoview</td>
<td>Irene Sanchez-Vera</td>
<td>Novartis Farmaceutica S.A., Spain</td>
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**Session Conclusion**

**Networking & Refreshment Break: 15:30-15:50 @ Zamora**

### “Chasing the neuron: Central to peripheral”

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<tr>
<td>15:50-16:20</td>
<td><strong>Title:</strong> Functional neuroimaging of language and memory using magnetoencephalography (MEG)</td>
<td>Vahe Poghosyan</td>
<td>King Fahad Medical City, Saudi Arabia</td>
</tr>
<tr>
<td>16:20-16:50</td>
<td><strong>Title:</strong> Impact of Neuronavigation on Neurosurgical practice</td>
<td>Lahbib Soualmi</td>
<td>King Fahad Medical City, Saudi Arabia</td>
</tr>
<tr>
<td>16:50-17:20</td>
<td><strong>Title:</strong> Intra-operative neurophysiologic Monitoring: Current advance and future potential</td>
<td>Elamir Elsherif</td>
<td>King Fahad Medical City, Saudi Arabia</td>
</tr>
<tr>
<td>17:20-17:50</td>
<td><strong>Title:</strong> Electrodiagnosis of the peripheral Nerve</td>
<td>Sajjad Ali</td>
<td>King Fahad Medical City, Saudi Arabia</td>
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### Day 2 | March 28, 2017

**Burgos**

**Keynote Forum**

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<tr>
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<tr>
<td>09:30-10:10</td>
<td><strong>Behavioral engagement, Brain fitness, and cognitive functioning across the lifespan: Clinical and research highlights</strong></td>
<td>David E Vance, University of Alabama at Birmingham, USA</td>
</tr>
<tr>
<td>10:10-10:50</td>
<td><strong>Magnetoencephalography (MEG) in neurology</strong></td>
<td>Vahe Poghosyan, King Fahad Medical City, Saudi Arabia</td>
</tr>
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**Networking & Refreshment 10:50-11:10 @ Zamora**

### Sessions: CNS, Clinical Neurology and Neuropsychiatry

#### Session Introduction @ 11:10-11:15

**Session Chair:** Ana Frances, Institut d'Investigació Sanitària Pere Virgili (IISPV), Spain  
**Session Chair:** Chair: Saba Nia, Kaiser Franz Josef Spital, Austria

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<tr>
<td>11:15-11:45</td>
<td><strong>Structural heart disease, minimally invasive procedures and the relationship to thromboembolic cerebral disease</strong></td>
<td>Evelyn M Garcia, Carilion Clinic, USA</td>
</tr>
<tr>
<td>11:45-12:15</td>
<td><strong>Aripiprazole does not attenuate the benefits of environmental enrichment after experimental brain trauma</strong></td>
<td>Anthony E Kline, University of Pittsburgh, USA</td>
</tr>
<tr>
<td>12:15-12:45</td>
<td><strong>Diffusion tensor tractography of memory-related white matter tracts in amyotrophic lateral sclerosis</strong></td>
<td>Zoë A Giavri, Advantis Medical Imaging, Greece</td>
</tr>
</tbody>
</table>

**Lunch Break: 12:45-13:30 @ Zamora**

#### 13:30-14:00

- **Title:** Neuropsychiatric signs and symptoms in treatable inborn errors of metabolism  
  - **Saba Nia**, Kaiser Franz Josef Spital, Austria  
- **Title:** Stroke endovascular treatment: Efficacy and security analysis with the time of development  
  - **Joaquin Carneado-Ruiz**, Hospital Universitario Puerta de Hierro, Spain

**Sessions: Neurotherapeutics and Case Studies**

#### Session Introduction @ 14:30-14:35

**Session Chair:** Anthony E Kline, University of Pittsburgh, USA  
**Session Chair:** Chair: Aziza Al-Rafiah, King Abdul Aziza University, Saudi Arabia

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<tr>
<td>14:35-15:05</td>
<td><strong>Pro-inflammatory cytokine il-1 in central nervous and reproductive systems in multiple sclerosis female patients: Communication between nervous, endocrine and immune systems</strong></td>
<td>Ana Frances, Institut d'Investigació Sanitària Pere Virgili (IISPV), Spain</td>
</tr>
<tr>
<td>15:05-15:35</td>
<td><strong>Heterotopic and homotopic effects of acupuncture on pain modulation share different story</strong></td>
<td>Xinyan Gao, China Academy of Chinese Medical Sciences, China</td>
</tr>
</tbody>
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**Networking & Refreshment 15:35-15:55 @ Zamora**

#### 15:55-16:25

- **Title:** Plastin3 as a therapeutic target in spinal muscular atrophy  
  - **Aziza Al-Rafiah**, King Abdul Aziza University, Saudi Arabia

#### 16:25-16:55

- **Title:** Locked in syndrome: A case report  
  - **Jalellah B Noor**, Osplinal ng Makati, Philippines

#### 16:55-17:25

- **Title:** Reliability and validity of the alberta infant motor scale thai version  
  - **Piyapong Aimsamrarn**, Khon Kaen University, Thailand
NEU 01  Title: HIV-associated neurocognitive disorder: How useful is the diagnosis?  
David E Vance, University of Alabama at Birmingham, USA

NEU 02  Title: Budget implications for the UK NHS of implementing mechanical thrombectomy for the treatment of acute ischemic stroke patients: Calculation with the solitaireTM revascularization device  
Pablo Guijarro, Medtronic Ibérica, Spain

NEU 03  Title: A voice for Epilepsy  
Ann Marie Gillie, Epilepsy Advocate, Canada

NEU 04  Title: Turnings in Parkinsons disease  
Khin Bo, Northern Lincolnshire and Goole Hospitals NHS Foundation Trust, UK

NEU 05  Title: Efficacy of a fatigue management intervention in Multiple Sclerosis patients  
Marta Parreira, University of Minho, Portugal

NEU 06  Title: Reliability and validity of the alberta infant motor scale thai version  
Piyapong Aimsamrarn, Khon Kaen University, Thailand

NEU 07  Title: Bradykinin reverts contralateral rotation and restores dopamine levels in an animal model of Parkinson disease  
Héllio Danny Nóbrega de Souza, Universidade de São Paulo, Brazil

NEU 08  Title: Antidepressant-like effects of medicinal herb extract in a chronic stress mouse model of depression  
Mi Young Lee, Korea Institute of Oriental Medicine, Korea

Day 3 | March 29, 2017

Burgos

Neurodegenerative and Neuromuscular Disorders

Session Chair: Joaquin Carneado-Ruiz, Hospital Universitario Puerta de Hierro, Spain  
Session Chair: Chair: Xinyan Gao, China Academy of Chinese Medical Sciences, China

9:30-10:00  Title: Multiple Sclerosis, corpus callosum and bedside test  
Khin Bo, Northern Lincolnshire and Goole Hospitals NHS Foundation Trust, UK

10:00-10:30  Title: The meaningfulness of cognitive processing speed in the assessment of cognitive impairment  
Judit Subirana-Mirete, Ramon Llull University, Spain

Networking & Refreshment 10:30-10:50 @ Zamora

10:50-11:20  Title: Psychological and emotional problems in adolescents with Epilepsy  
Maia Machvariani-Tsereteli, Ivane Javakhisvili Tbilisi State University, Georgia

11:20-11:50  Title: Efficacy of a fatigue management intervention in multiple sclerosis patients  
Marta Parreira, University of Minho, Portugal

11:50-12:20  Title: A Voice for Epilepsy  
Ann Marie Gillie, Epilepsy Advocate, Canada

12:20-12:50  Title: Innovation in the physiotherapy treatment of Parkinson’s disease  
Selma Pelaez, UManresa-FUB, Spain

Lunch Break: 12:50-13:30 @ Zamora

Young researcher forum

13:30-13:50  Title: Neuroprotective effect of cathechins gambier on beta amyloid plasma and cognitive in dawley sprague as model of Alzheimer  
Linda Rosalina, Padang State University, Indonesia

13:50-14:10  Title: Blockage of system xc- Improves cocaine addiction in cocaine-dependence mice  
Vivian Hsu, China Medical University, Taiwan

14:10-14:30  Title: Novel psychoactive substance (NPS): Effects of the 5-IT and D2PM on the dopamine system and 5-HTA, 5-HTC receptors site  
Zia-Uddin Ahmed, University of Roehampton, UK

Award Ceremony and Finishing Note @ 14:30-14:35