

**Course “Brain and Mind Evolution”
IIBCE, 2017**

| Day | Hour | Title | Faculty | Activity |
|---------------------------|---------------|--|---|----------|
| Monday 4 th | 09:00 -09:30 | Course Introduction | A. Caputi, M Castelló | |
| | 9:30 - 10:30 | Evolution | E. Lessa- | T |
| | Coffee Break | | | |
| | 10:50-11:50 | Evolution of the nervous system | O. Trujillo | T |
| | 11:50-12:50 | A History of Ideas about Brain Evolution | G. Sriedter | T |
| | Lunch | | | |
| | 14:30 -16:30 | Definition & Origin of the nervous system | G. Sriedter, J. Montiel, A Caputi, M. Castelló, O. Trujillo | S |
| | 16:30 - 18:30 | Students presentations I | G. Sriedter, J. Montiel. A Caputi, M. Castelló | SP |
| Tuesday 5 th | 9:00 - 10:00 | Principles of Brain Evolution | G. Sriedter | T |
| | 10:00-11:00 | Evolution of cerebral cortical development | Zoltán Molnár’s talk, presented by J. Montiel | T |
| | Coffee Break | | | |
| | 11:30-12:30 | Evolution of visual and visuomotor systems from early amniotes to modern humans | J. Kaas (videoconference) | T |
| | Lunch | | | |
| | 14:00 -15:00 | Evolution of Sensory Systems, Sensorio-motor integration and prediction. | A. Caputi | T |
| | 15:00 -18:00 | Neuroanatomical techniques | A. Fernández, M. Castelló | P |
| Wednesday 6 th | 9:00 - 10:00 | Evolution of Motor Systems | R. Fariña, S. Tambusso | T |
| | 10:00-11:00 | From Genes to Cognition: Modular Strategies in the Brain Evolution and Development | J. Montiel | T |
| | Coffee Break | | | |
| | 11:20-12:20 | Conserved developmental mechanisms in diverging ecological adaptations | F. Aboitiz | T |
| | Lunch | | | |
| | 14:00 -16:00 | Paleoneurology | S. Tambusso | P |
| | 16:00-18:00 | Brain comparative transcriptomic analyses and their interpretation | J. Montiel | P |

**SYMPOSIUM "BRAIN AND MIND EVOLUTION"
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|-------------------|--------------------|-----------------------|--|
| Thursday 7 | 09:00-11:30 | Session 1 | 4 oral presentations (25 + 5 minutes) |
| | 11:30-13:30 | Session 2 | 4 oral presentations (25 + 5 minutes) |
| | 14:00-16:00 | Poster Session | |
| | 16:30-18:30 | Session 3 | 4 oral presentations (25 + 5 minutes) |

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|--------------------------------|----------------------|---|--|-----------|
| Friday 8th | 08:30 - 09:30 | A Brain for Speech | F. Aboitiz | T |
| | 09:30-10:30 | Modelos formales y computacionales del lenguaje humano | D. Wonsever | T |
| | Coffee Break | | | |
| | 11:00 - 12:00 | The mental pathology as a way to understand the human level of the evolution of the mind | H. Casarotti | T |
| | Lunch | | | |
| | 13:30 -15:30 | La Mente: capacidad integrada o capacidad integrante | H. Casarotti, S. Dansilio, A. Nowell, D. Wonsever | S |
| | 15:30 -17:30 | La Mente: capacidad integrada o capacidad integrante | H. Casarotti, S. Dansilio, A. Nowell, D. Wonsever | RT |
| Saturday 9th | 9:00 - 10:00 | Childhood, Play and the Evolution of Cultural Capacity in Neanderthals | A. Nowell | T |
| | 10:00-11:00 | Incidence of schooling in the brain | S. Dansilio | T |
| | Coffee Break | | | |
| | 11:20-12:30 | Students Presentations II | | SP |
| | Lunch | | | |

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|--------------------------------|--------------|--|---|-------------|
| Monday 11th | 9:00 - 10:00 | Artificial Intelligence | R. Canetti | T |
| | 10:00-11:00 | Artificial Vision | G. Randall | T |
| | Coffee Break | | | |
| | 11:20-12:20 | Brain, Mind & Artificial Intelligence interactions | H. Shah | T |
| | 12:20-13:20 | Artificial Intelligence and Natural Language Processing | G. Moncecchi | T |
| | Lunch | | | |
| | 14:30 -18:30 | Applications of Machine learning Systems to data analysis in biology | F. Pazos, M. Castelló | P |
| Tuesday 12th | 9:00 - 10:00 | Alan Turing's ideas on machine intelligence to understand brain/mind | H. Shah | T |
| | 10:00-12:00 | Turing test conversation analysis | H. Shah | P |
| | Lunch | | | |
| | 14: 15:30 | Brain, Mind and Artificial Intelligence: the future | H. Shah, G. Randall, G. Villa, G. Varela Moderator: A. Caputi | Round Table |
| | 15:30 -16:00 | Closing | | |