



# PROGRAM

## THURSDAY, 22<sup>nd</sup> MAY

13:00-14:00	Registration
14:00	Welcome
<b>PRION STRUCTURE AND BIOLOGY</b>	
14:30-15:30	<p><b>Chairperson: Jesus Requena</b></p> <p><b>Invited Speaker: Dr Hasier Eraña</b> (Center for Cooperative Research in Biosciences (CIC BioGUNE), Basque Research and Technology Alliance (BRTA), Derio, Spain, Centro de Investigación Biomédica en Red de Enfermedades infecciosas (CIBERINFEC), Carlos III National Health Institute, Madrid, Spain; ATLAS Molecular Pharma S. L, Derio, Spain)</p> <p><i>Dissecting natural resistance to prion disease: from phylogenetic insight to transgenic models</i></p>
15:30-16:30	<p><b>Chairpersons: Nuno Anjo and Carlos Díaz</b></p> <p>Oral Communications:</p> <ol style="list-style-type: none"> <li><b>Emiliano Biasini</b> (CIBIO, University of Trento) "Preclinical Development of Drug-Like Compounds Halting Prion Neurotoxicity"</li> <li><b>Francesca Peccati</b> (CIC bioGUNE, Ikerbasque) "Structural basis for glycoform ratio specificity among prion strains"</li> <li><b>Raul C. Vazquez</b> (CIMUS, University of Santiago de Compostela) "Structural Dynamics and Kinetic Interplay in Prion Assembly"</li> <li><b>Juan-Carlos Espinosa</b> (CISA-INIA-CSIC) "Spontaneous neurodegenerative disease in a transgenic mouse model expressing H95Y PrP<sup>Sc</sup> amino acid change"</li> </ol>
16:30-17:00	Coffee Break and Poster Discussion
17:00-18:30	<p><b>Chairpersons: Enric Vidal and Leonor Orge</b></p> <p>Oral Communications:</p> <ol style="list-style-type: none"> <li><b>Sanaz Sabzehei</b> (CIMUS, University of Santiago de Compostela) "Unfold to refold: exploring the early events of PrP<sup>C</sup> to PrP<sup>Sc</sup> conversion with solution NMR and Molecular Dynamics"</li> <li><b>Camille Zany</b> (Université Paris Saclay, INRAE) "Self-Organized Spatial Patterns of Prion Replication in Organotypic Cerebellar Slices Infected with the 127S Strain"</li> </ol> <p><b>PRION DISEASES IN ANIMALS</b></p> <ol style="list-style-type: none"> <li><b>Nerea L. Martínez</b> (Centro de Encefalopatías y Enfermedades Transmisibles Emergentes, Universidad de Zaragoza) "Gene therapy for prion diseases using an adeno-associated viral vector"</li> <li><b>Carlos M. Díaz-Domínguez</b> (CIC BioGUNE, Prion Research Center, Colorado State University) "Synthetic Cervid Prions in Gt Mice as a Model for Novel CWD Strain Emergence and Evolution"</li> <li><b>Joseph P. DeFranco</b> (Prion Research Center, Colorado State University) "Different transmissible properties of CWD prions from North America and Northern Europe in cervidized gene-targeted mice"</li> <li><b>Diana C. Lowe</b> (Prion Research Center, Colorado State University) "Remarkable diversity of emergent CWD strains in Swedish moose"</li> </ol>
18:30-19:00	<b>Supporting Associations of prion diseases patients</b>

## FRIDAY, 23<sup>rd</sup> May

PRION DISEASES IN ANIMALS	
9:00-10:00	<p><b>Chairperson:</b> <b>Sylvie Benestad</b></p> <p><b>Invited Speaker:</b> <b>Dr Fiona Houston</b> (University of Edinburgh)  <i>Prions in Blood: Lessons from a Large Animal Model</i></p>
10:00-10:30	Coffee Break and Poster Discussion
10:30-12:30	<p><b>Chairpersons:</b> <b>Vera Silva and Juan Maria Torres</b></p> <p><b>Oral Communications:</b></p> <ol style="list-style-type: none"> <li>11. <b>Hermann M. Schatzl</b> (Calgary Prion Research Unit, University of Calgary)  “Zoonotic potential of chronic wasting disease prions demonstrated by passage in non-human primates and rodents”</li> <li>12. <b>Lars A. Folkman</b> (Norwegian University of Life Sciences)  “Transmission of reindeer chronic wasting disease to sheep”</li> <li>13. <b>Enric Vidal</b> (IRTA, CReSA, Universitat Autònoma de Barcelona)  “Generation of bona fide Mongolian gerbil (<i>Meriones unguiculatus</i>) prions in vitro”</li> <li>14. <b>Stefania Thorgeirsdottir</b> (Institute for Experimental Pathology at Keldur, University of Iceland)  “Case-control studies in scrapie flocks and recent findings on protective prion protein genotypes in Iceland”</li> <li>15. <b>Timm Konold</b> (Animal &amp; Plant Health Agency)  “Eradication of scrapie in a goat herd by breeding for resistance”</li> <li>16. <b>Lucien J.M. van Keulen</b> (Wageningen Bioveterinary Research)  “Co-presence of classical scrapie 22A but not classical BSE in Dutch sheep with atypical scrapie”</li> <li>17. <b>Sara Canoyra</b> (CISA-INIA-CSIC)  “Prion evolution of Nor98/Atypical Scrapie in a homologous ovine PrP<sup>C</sup> Context”</li> <li>18. <b>Giuseppe Ru</b> (Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d’Aosta)  “Large-scale association study on the combined effect of genetics and age on atypical scrapie risk in the Portuguese sheep population”</li> </ol>
12:30-14:00	Lunch & Posters & Group photo
PRION DISEASES AND PRION-LIKE DISEASES IN HUMANS	
14:00-15:00	<p><b>Chairperson:</b> <b>Inga Zerr</b></p> <p><b>Invited Speaker:</b> <b>Dr Joel Watts</b> (Tanz Centre for Research in Neurodegenerative Diseases and University of Toronto)  <i>α-Synuclein strains as drivers of disease heterogeneity</i></p>
15:00-16:15	<p><b>Chairpersons:</b> <b>Jorge Moreno and Tomas Barrio</b></p> <p><b>Oral Communications:</b></p> <ol style="list-style-type: none"> <li>19. <b>Irantzu Pallarès</b> (Universitat Autònoma de Barcelona)  “HeliCure targets α-synuclein oligomers and restores motor function in a preclinical mouse model of Parkinson’s disease”</li> <li>20. <b>Susana Silva Correia</b> (National Reference Center for TSE, University Medical Center)  “Advancing prion diagnostics: Novel RT-QuIC substrate enables detection in tear fluid and enhances cerebrospinal fluid sensitivity”</li> <li>21. <b>Inga Zerr</b> (University of Göttingen)  “PrionPro: An International Quality Control Program for Prion Disease Biomarkers”</li> </ol>

	<p><b>22. Rodrigo Morales</b> (University of Texas Health Science Center at Houston)  <b>“Host-dependent variability in amyloid-beta propagation and deposition”</b></p> <p><b>23. Roberto Chiesa</b> (Department of Neuroscience, Istituto di Ricerche Farmacologiche Mario Negri)  <b>“Tracking disease progression in fatal familial insomnia: Longitudinal plasma biomarker analysis”</b></p>
16:15-16:45	Coffee Break and Poster Discussion
16:45-18:15	<p><b>Chairperson: Joaquin Castilla</b></p> <p><b>Invited Speaker: Dr Nina Oberbeck</b> (GATE Bioscience)</p> <p><i>Oral Small Molecules for Reducing Prion Protein Levels: A New Therapeutic Strategy for Prion Disease</i></p> <p><b>Next Meeting announcement and closing of the meeting</b></p>
19:30	Social event and Congress Dinner