

Posters will be hung at the beginning of the meeting and will be exposed until the end of the meeting. There is a specific session to present the posters specified in the program. Posters will have a vertical orientation and maximum measurements of: 90cm wide x 120cm high.

Selected posters are:

	Autor Presentador	Título	Autores
1	<u>Alvarez, J</u>	SERCA Ca2+ pump modulation and C. elegans longevity	Paloma García-Casas, Pilar Alvarez-Illera, Rosalba I. Fonteriz, Mayte Montero and Javier Alvarez
2	<u>Alvarez, J</u>	Modulation of the mitochondrial Na2+/Ca2+ exchanger enhances C. elegans lifespan and healthspan	Paloma García-Casas, Pilar Alvarez-Illera, Eva Gómez-Orte, Juan Cabello, Rosalba I. Fonteriz, Mayte Montero and Javier Alvarez
3	<u>Ayuda-Durán, Begoña</u>	Flavonoids present anti-Alzheimer effect reducing Aβ aggregates in Caenorhabditis elegans	Begoña Ayuda-Durán, Lidia Garzón-García, Celestino Santos-Buelga, Ana M. González-Paramás and Susana González-Manzano
4	<u>Brokate-Llanos, A</u>	Identification of genes which regulate SMN-1 levels to identify putative treatment for Spinal Muscular Atrophy	Brokate-Llanos A., Garzon A. Pérez-Pulido A. Muñoz M. J.
5	<u>Cabello, J</u>	The Integrator complex beyond nuclear functions.	Eva Gomez Orte, Cristina Romero Aranda, Víctor Escrich, Begoña Ezcurra, <u>Juan Cabello</u> .
6	Cornes, E	Biological functions of germline biomolecular condensates	<u>Eric Cornes</u>
7	Colino-Lage, H	Regulation of Caenorhabditis elegans HLH-30 subcellular dynamics: Evidence for a redox-dependent mechanism.	<u>Hildegard Colino-Lage</u> ¹ , David Guerrero-Gómez ¹ , Eva Gómez-Orte ² , Juan Cabello ² , Antonio Miranda-Vizuete ¹
8	<u>Del Valle Carranza, A</u>	PROTECTIVE EFFECT OF CHLOROGENIC ACID AGAINST PROTEIN AGGREGATION IN HUNTINGTON'S DISEASE.	Andrea del Valle Carranza, Mar Collado Pérez, Francisco Casterá, Carmen Peiró, José María Millán, Rafael Vázquez-Manrique
9	<u>Gómez-Orte, E</u>	Genetics, diet and insulin pathway to understand aging in C. elegans	Cristina Romero-Aranda, Marina Campos, Begoña Ezcurra, Juan Cabello, <u>Eva Gómez-Orte</u>
10	<u>Goyache, Ignacio</u>	The probiotic Lactobacillus sakei reduces fat accumulation, oxidative stress and senescence while increases lifespan in Caenorhabditis elegans	Ignacio Goyache, Miguel López-Yoldi, Dante Fratebianchi, Lorena Valdés-Varela, Raquel Virto, Fermín I. Milagro, Paula Aranaz
11	<u>Griñán-Ferré, C</u>	Physical exercise impact on aging-related pathways in C. elegans	Aina Bellver-Sanchis, Marta Ribalta Vilella, Christian Griñán-Ferré
12	<u>Griñán-Ferré, C</u>	Transgenerational phenotypic and molecular transmission	Aina Bellver-Sanchis, Alba Irisarri, Júlia Jarne-Ferrer, Mercè Pallàs, Christian Griñán-Ferré
13	<u>Hamdi, A</u>	Caenorhabditis elegans: A convenient in vivo model for assessing the impact of Asparagus bioactive compounds on infertility and Alzheimer's disease	Amel Hamdi, Rocío Rodríguez-Arcos, Ana Jiménez-Araujo, Irene Castañeda Crespo, Alicia Márquez Pérez, Rafael Guillén-Bejarano, Jose Manuel Monje Moreno and Manuel Jesús Muñoz Ruiz.
14	<u>Llopis, S.</u>	Innovative ADM® Ceylon standardized extract with antioxidant and antimicrobial effects evaluated in Caenorhabditis elegans model	<u>Llopis, S.</u> ; Maicas M.; Moya, I.; González, N.; Martorell, P.; Helbig, I.; Inarejos-Garcia, AM; Álvarez, B.
15	<u>Maicas, M.</u>	Echinacea extract protects from oxidative stress and extends lifespan in Caenorhabditis elegans model	<u>Maicas, M.</u> ; Llopis, S.; González, N.; Álvarez, B.; Guílera, S.; Inarejos-Garcia, AM; Martorell, P.
16	<u>Malaiwong, N</u>	Site-targeted and versatile transgene integration method via fluorescent landmark interference	Nawaphat Malaiwong, Montserrat Porta de la Riva, and Michael Krieg
17	<u>Martínez-Fernández, Carmen</u>	Deciphering the influence of nuclear mechanics in C. elegans health and disease	Carmen Martínez-Fernández and Michael Krieg
18	<u>Moliner, Cristina</u>	Antioxidant and neuroprotective activity of borage flowers in Two Different models: Caenorhabditis elegans and Neuro-2a Cells	Cristina Moliner, Guillermo Cásedas, Sonia Nuñez, Víctor López, Carlota Gómez
19	<u>Moreno Rivero, A</u>	Time- and tissue-specific requirements of insulin signaling in the control of C. elegans L1 quiescence	Almudena Moreno Rivero and María Olmedo

20	<u>Núñez, S</u>	Extracts from edible flower <i>Tagetes erecta</i> L reduce fat storages of <i>Caenorhabditis elegans</i> .	Sonia Núñez, Cristina Moliner, Marta Sofía Valero, Carlota Gómez-Rincón, Víctor López
21	<u>Porta-de-la-Riva, Montserrat</u>	Photon-based neuronal communication	Montserrat Porta-de-la-Riva, Adriana Carolina Gonzalez, Neus Sanfeliu-Cerdán, Shadi Karimi, Luis-Felipe Morales-Curiel, Nawaphat Malaiwong, Sara González-Bolívar, Pablo Fernandez, Cedric Hurth and Michael Krieg
22	<u>Sánchez-Salmerón, AJ</u>	Towards a fully automated device based on deep learning for <i>C. elegans</i> lifespan	Joan Carles Puchalt, Antonio García-Garvía, Pablo-Emmanuel Layana-Castro, and <u>Antonio-José Sánchez-Salmerón</u>
23	<u>Sanfeliu-Cerdán, N</u>	A rigidity phase transition of MEC-2/Stomatin condensates governs a switch from transport to mechanotransduction	Neus Sanfeliu-Cerdán, Borja Mateos, Carla Garcia Cabau, Maria Ribera, Frederic Català-Castro, Montserrat Porta-de-la-Riva, Xavier Salvatella and Michael Krieg
24	<u>Sañudo Otero, Ana</u>	Automated image-based analysis of fat accumulation and oxidative stress in <i>Caenorhabditis elegans</i> for functional evaluation of ingredients	Ana Sánchez Vicente, Noelia López Giral, Ana Sañudo Otero, Carolina González Ferrero
25	<u>Serrat, Xènia</u>	High-throughput drug screening in <i>C. elegans</i> uncovers new classes of anthelmintics targeting rhodoquinone-dependent metabolism	Xènia Serrat, Taylor Davie, Andrew Fraser
26	<u>Tortajada-Pérez, Julia</u>	FATTY ACID METABOLISM MODULATES POLYQ AGGREGATION-TOXICITY THROUGH PROTEOSTASIS PATHWAYS	Tortajada-Pérez, Julia; Trujillo-Del Río, Cristina, Collado-Pérez, Mar; Gómez-Escribano Ana Pilar, Millán José María, Vázquez-Manrique, Rafael.
27	<u>Trujillo-Del Río, C</u>	NEURONAL PROTEIN AGGREGATION IS MODULATED BY A DISRUPTION OF SIR-2.3/SIRT4	Trujillo-Del Río, Cristina; Tortajada-Pérez, Julia; Collado-Pérez, Mar; Carranza, Andrea; Gómez-Escribano, Ana Pilar; Millán, José María; Vázquez-Manrique, Rafael.
28	<u>Valenzuela-Villatoro, Marina</u>	Functional characterization of <i>Caenorhabditis elegans</i> lacking mitochondrial thioredoxin and glutathione reductases	Marina Valenzuela-Villatoro, David Guerrero-Gómez, Eva Gómez-Orte, Juan Cabello, Antonio Miranda-Vizuete
29	<u>Julián Cerón</u>	Expanding CRISPR-Cas gene editing technologies	Jeremy Vicencio, Víctor Muñoz-Villena, Guillem Escalona, David Brena, Dmytro Kukhtar, Miguel Ruiz-López, Mariona Cots-Ponjoan, Julián Cerón