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VII WORMMEETING 2019

28-29 March

A decorative geometric pattern at the bottom of the page, similar to the one at the top, composed of various shades of blue, teal, and green triangles and polygons.

Program

Thursday 28th

8:20 and 8:35 Bus leaving from Barcelona, Plaza de Cataluña at 8.20 (stop right in front of Hard Rock Café) and from Plaza de España (Gran via corner C/Sants – at bus stop) to ICFO

9:00 - 9:45 **Registration and poster up**

9:45 - 10:00 **Welcome from SWM 2019 Organizing committee**

10:00 - 11:00 **Keynote seminar – Mihail Sarov**

11:00 - 11:15 **Ana Pilar Gómez Escribano** - Different steroid hormones modulate protein homeostasis in *Caenorhabditis elegans* by cell-nonautonomous signalling

11:15 - 11:30 **Iris Ruider** - Investigating the mechanotransmission pathway in *C. elegans* touch receptor neurons

11:30 - 12:00 **Coffe break (posters will be up)**

12:00 - 12:15 **Juan Cabello** - Disruption of the *Caenorhabditis elegans* Integrator complex triggers a non-conventional transcriptional mechanism beyond snRNA genes.

12:15 - 12:30 **Javier Alvarez** - Inhibition of Sarco-Endoplasmic Reticulum Ca²⁺ ATPase extends the lifespan in *C. elegans* worms.

12:30 - 12:45 **Olivier Martin** - Oligo-dT primers amplify 26s ribosomal RNA in individual *C. elegans* RNA-seq

12:45 - 13:00 **Eva Sanchez**- *C. elegans* as a model on the viability and modulation of oxidative stress in a dual bacteria/polyphenols system

13:00 - 13:15 **Antonio Miranda** - Loss of glutathione redox homeostasis impairs proteostasis by inhibiting autophagy-dependent protein degradation

13:15 - 15:00 **Lunch offered and Lab tour (posters will be up)**

15:00 - 15:15 **Ester Dalfo** - The Small GTPase RAC1/CED-10 Is Essential in Maintaining Dopaminergic Neuron Function and Survival Against α -Synuclein-Induced Toxicity

15:15 - 15:30 **Zhongrui Luo** - Evaluation of the nano-bio interaction between superparamagnetic iron oxide nanoparticles and *Caenorhabditis elegans*

15:45 - 16:00 **Jeremy Vicencio** - Efficient generation of endogenous fluorescent reporters by Nested CRISPR in *Caenorhabditis elegans*

Chair Person: Michael Krieg

Chair Person: Marta Artal

Chair Person: Juan Cabello

Thursday 28th

- 16:00 - 16:15 **Raquel Romero** - The role of nuclear envelope proteins MEL-28 and BAF-1 in chromatin organisation.
- 16:15 - 16:30 **Marcos Francisco Perez** - Phenotypic alterations are inherited as a result of parental pheromone exposure
- 16:30 - 18:30 **Coffee Break + Poster session**
- 18:30 - 19:30 **Keynote Mike Boxem** - Regulation of apical domain formation in *C. elegans* epithelia

Chair Person: Juan Cabello

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- 19:30 - 20:30 Transportation to dinner
- 20:30 - 23:00 Dinner ca la Nuri (Barcelona)

Friday 29th

- 10:00 - 10:15 **Peter Askjaer** - Spatiotemporal control of gene expression to analyse nuclear organisation and beyond
- 10:15 - 10:30 **Silvia Llopis** - A small artificial vision device for *C. elegans* lifespan
- 10:30 - 10:45 **Nicholas Stroustrup** - The temporal scaling of *C. elegans* ageing
- 10:45 - 11:00 **Sara Rivera** - Cell Cycle regulation of Mes-4 and the switch of *celsl* from immature to differentiated
- 11:00 - 11:15 **Xènia Serrat** - Modeling of SF3B1 cancer-related missense mutations in *C. elegans* uncovers potential targets for synthetic lethality

Chair Person: Maria Olmedo

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- 11:15 - 12:00 **Coffe break**
- 12:00 - 12:15 **Maria Olmedo** - Prolonged quiescence delays the initiation of postembryonic development and is controlled by insulin signalling
- 12:15 - 12:30 **Das Ravi** - The mechanical coordination of proprioceptive signaling in *Caenorhabditis elegans*
- 12:30 - 12:45 **Begoña Ayuda-Durán** - Epicatechin modulates stress-resistance in *C. elegans* via insulin/IGF-1 signaling pathway
- 12:45 - 13:45 **Keynote: Ben Lehner** - Inter- and trans-generational memory in worms

Chair Person: Peter Askjaer

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- 13:45 - 14:00 **Conclusions-Farewell**

Lunch at Shoko (next to CRG) and departure



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Substrates: oligos • dNTPs • next generation sequencing • RNA • genes & gene fragments • CRISPR genome editing

