PGRP 2026

Post-transcriptional Gene Regulation in Plants

5 - 7 Oct 2026 MÁLAGA, SPAIN

Keynote

Hervé Vaucheret
Brian D. Gregory
Rosa Lozano-Durán
Federico Ariel
Polly Hsu

Invited Speakers

Javier Palatnik
Zofia Szweykowska-Kulinska
Rupert Fray
Peter Brodersen
Ykä Helariutta
Dominique Gagliardi
Pascal Genschik
Seong Wook-Yang
Remy Merret
Julia Bailey-Serres
Mar Castellano
Martin Crespi
Andreas Niebel
Matthew Parker
Craig Pikaard
Xuehua Zhong
Rebecca Mosher
Sarah Rennie

Organisers:
Laura Arribas-Hernández
Diego López-Márquez
Pablo Manavella
Catharina Merchante

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the plant journal

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Monday, 5th October

8:30 Registration at the Psychology Faculty

9:30 Welcome remarks - Organizers

9:40 **The EMBO Lecture:** **Hervé Vaucheret**. Univ. Paris-Saclay, INRAE, AgroParisTech, JPB. France
Tracking the roots of posttranscriptional gene silencing events

Session 1: RNA Silencing
Chairs: Pablo Manavella & Ignacio Rubio-Somoza

10:25 **Javier Palatnik**. Instituto de Biologia Molecular y Celular de Rosario (IBR). Argentina
MicroRNA control of plant regeneration and stem-cell niche reconstitution

10:50 **Diego López-Márquez**. IHSM La Mayora (CSIC-UMA). Spain
The tryptophan-binding pockets of Arabidopsis AGO1 facilitate amplified RNA interference via SGS3

11:10 **Felipe Fenselau de Felippes**. Queensland University of Technology. Australia
The role of terminators in the regulation of gene expression and the onset of silencing

11:25 Coffee break

11:55 **Artur Jarmolowski**. Adam Mickiewicz University. Poland
D-bodies are nuclear storage structures accumulating DCL1 and HYL1 that are not engaged in co-transcriptional miRNA biogenesis

12:20 **Zofia Szweykowska-Kulinska**. Adam Mickiewicz University. Poland
Marchantia polymorpha miRNA1889 targets the mRNA of Dual Specificity Phosphatase 12 (DUSP12), a protein conserved across eukaryotes, and affects spermatogenesis

12:45 **Marco Incarbone**. Max-Planck-Institute of Molecular Plant Physiology. Germany
Vertical transmission of RNA viruses and its regulation in plants

13:05 **Pratheek Pandesha**. Donald Danforth Plant Science Center, Washington University. USA
Initiation of RNAi in plants

13:20 Lunch

14:45 **The Plant Cell Lecture:** **Brian Gregory**. University of Pennsylvania. USA
The effects of RNA cleavage on plant post-transcriptional regulation

Session 2: RNA Modifications & Structure
Chairs: Laura Arribas-Hernández & Monika Chodasiewicz

15:30 **Rupert Fray**. University of Nottingham. United Kingdom
Suppressors of m^6A writer and reader mutants

15:55 **Friedrich Kragler**. Max Planck Institute of Molecular Plant Physiology. Germany
Unravelling complex relationship between mRNAs long-distance transport and m^5C methylation

16:15 **Claudia Cortés de Felipe**. Swedish University of Agricultural Sciences (SLU). Sweden
Viral influence on RNA granules: Unravelling condensate dynamics in infection and immunity

16:30 **Flash Talks:** **Wil Prall**, **Marta Zimna**, **Mateusz Bajczyk**, **Camila Zlauvinen** and **Jesús Pascual Vázquez**

16:45 Poster Session 1, with coffee

18:15 **Peter Brodersen**. University of Copenhagen. Denmark
A proxy RNAi pathway for sensing of cytoplasmic double-stranded RNA in plants

18:40 **Ykä Helariutta**. University of Helsinki. Finland
Recruitment of bifunctional regulator thermospermine to methylated ribosomes directs xylem fate

19:05 **Andrew Nelson**. Boyce Thompson Institute, Cornell University. USA
The mRNA covalent modification dihydrouridine regulates transcript turnover and photosynthetic capacity during plant abiotic stress

19:25 **Arsheed Sheikh**. Utrecht University. Netherlands
Turnip mosaic virus co-opts host RNA methylation to orchestrate plant infection

19:40 Dinner

Tuesday, 6th October

8:30 Registration at the Engineering School

9:15 **Keynote:** **Rosa Lozano-Durán**. ZMBP, University of Tübingen. Germany
Another one bites the dust: Geminivirus co-option of plant RNA splicing

Session 3: RNA Processing and Turnover
Chairs: Diego López-Márquez & Misato Ohtani

10:00 **Dominique Gagliardi**. CNRS, University of Strasbourg. France
A core combination of post-transcriptional processes drives mRNA poly(A) profile diversity

10:25 **Dorothee Staiger**. Bielefeld University. Germany
The in vivo binding landscape of Arabidopsis CFI and its interplay with spliceosomal components in CPA site choice

10:45 **Rodrigo Siqueira Reis**. University of Bern. Switzerland
RNA turnover mediates the plant growth-defense tradeoff at warm temperatures

11:00 **Walk from the Engineering School to the Psychology Faculty**

11:15 Coffee break at the Psychology Faculty

11:45 **Pascal Genschik**. CNRS. France
DRB2 is required for efficient and accurate DCL4 processing in plant antiviral immunity

12:10 **Seong Wook Yang**. Yonsei University. South Korea
Proteolytic regulatory networks fine-tuning miRNA biogenetic components and silencing machinery: Proteostasis of HYL1, SE, DCL1, and AGO1

12:35 **Sarah Assmann**. Penn State University. USA
Temperature-associated RNA structural variants in Arabidopsis and rice

12:55 **Monika Zakrzewska-Placzek**. University of Warsaw. Poland
Functional synergy between DXO1 and XRN3 in Pol II transcription and cotranscriptional mRNA processing

13:10 Lunch

14:35 **Keynote:** **Polly Hsu**. Michigan State University. USA
Decoding translation: Hidden ORFs and a new rule for maximizing protein production

Session 4: Translation
Chairs: Catharina Merchante & David Honys

15:20 **Rémy Merret**. IBMP-CNRS. France
Endoplasmic reticulum as a regulator of translation-dependent mRNA fate under heat stress in plants

15:45 **Daniel Gibbs**. University of Birmingham. United Kingdom
TOR–NOT4 signalling couples translation to co-translational quality control in plants

16:05 **Jean-Marc Deragon**. Université de Perpignan. France
Loss of tRNA uridine thiolation affects mRNA translation, protein production, and metabolite accumulation in Arabidopsis

16:20 **Flash Talks:** **Vivek Kumar Raxwal**, **Tomas Tessi**, **Vi-An Ly**, **Manuel Gonzalez Fuente** and **Manvi Sharma**

16:35 Poster Session 2, with coffee

17:40 **Julia Bailey-Serres**. UC Riverside. USA
High resolution disome footprinting links translational stochasticity with mRNA turnover

18:05 **Mar Castellano**. CBGP (UPM-INIA/CSIC). Spain
Selective translation in response to combined stresses and coordination with protein folding in plants

18:30 **Albrecht von Arnim**. University of Tennessee. USA
The circadian clock supports translational control in the context of diel light and temperature cycles

18:50 **Neha Shukla**. Central European Institute of Technology. Czechia
Post-transcriptional regulation of meiotic transcripts by the RNA binding protein CDM1 is associated with cytoplasmic condensate assemblies

19:05 End of Session 4

20:30 Gala Dinner: *La Pérgola*

Wednesday, 7th October

8:30 Registration at the Psychology Faculty

9:30 **Keynote: Federico Ariel**. IFIBYNE (UBA-CONICET). Argentina
Warmth-responsive lncRNAs in chromatin dynamics

Session 5: Long non-coding RNAs
Chairs: María Eugenia Zanetti & Emilio Gutiérrez-Beltrán

10:15 **Martín Crespi**. Institute of Plant Sciences Paris-Saclay (IPS2). France
Long non-coding RNAs in alternative splicing regulation

10:40 **Josephin Herbst** . Martin-Luther University Halle-Wittenberg. Germany
The lncRNA LINDA safeguards meristematic integrity after stem cell loss

11:00 **Florencia Rodriguez**. IFIBYNE (UBA-CONICET). Argentina
Alternative splicing of a coding gene produces a nuclear regulatory long non-coding RNA

11:15 Coffee break

11:45 **Andreas Niebel**. LIPME, INRAE, CNRS, Université de Toulouse. France
NFYA1 and long non-coding RNAs regulate nodule development

12:10 **Mathew Parker**. Max Planck Institute for Plant Breeding Research. Germany
Single-gamete genetics resolves epistatic variants underlying transmission bias

12:35 **Thomas Blein**. Institute of Plant Sciences Paris-Saclay (IPS2). France
The interplay between transcription factors and long non-coding RNAs in the regulation of lateral root initiation in Arabidopsis thaliana

12:55 **Jeremie Bazin**. Institute of Plant Sciences Paris-Saclay (IPS2). France
Unveiling a dual function of NSRa: Linking splicing and polyadenylation

13:10 Lunch

Session 6: Epitranscriptomics and epigenetics
Chairs: Hervé Vaucheret & Arturo Mari-Ordóñez

14:35 **Craig Pikaard**. HHMI, Indiana University. USA
The biochemistry of RNA-Directed DNA Methylation: enzymatic reactions of RNA Polymerase V and its protein partners

15:00 **Xuehua Zhong**. Washington University in St. Louis. USA
Epigenetic regulation of development plasticity and environmental adaptation

15:25 **Julia Qüesta**. Centre for Research in Agricultural Genomics (CRAG). Spain
Transcription dynamics at early stages of plant development

15:45 **Kai Wang**. Max Planck Institute of Molecular Plant Physiology. Germany
Identifying the origin and function of Pol4-dependent small RNAs for endosperm development in Capsella rubella

16:00 Coffee break

16:30 **Rebecca Mosher**. University of Oxford. United Kingdom
Epigenomic changes following the evolution of selfing

16:55 **Sarah Rennie**. University of Copenhagen. Denmark
Decoding the principles of m^{6}A deposition and recognition in Arabidopsis thaliana

17:20 **Byeong-ha Lee**. Sogang University. South Korea
Nuclear speckle organization and splicing robustness promoted by spliceosomal protein interactions

17:40 **Eduardo Mateo-Bonmatí**. CBGP (UPM-INIA/CSIC)
PNUTS-like scaffolding of CPF phosphatase coordinates 3′-end processing and FLC silencing

17:55 Best Poster and Best Talk awards
Closing remarks
Announcements of PGRP2028

POSTERS

S1 Posters - RNA Silencing

1 **D. Ghosh:** Translation potential of MIR169::NF-YA::ARGOS node in regulating biomass and yield enhancement
2 **O. Kamiński:** A role of the SERRATE C-terminal fragment in microRNA biogenesis
3 **E. Maniak:** Interaction between the SERRATE protein and the THO complex in RNA biosynthesis
4 **H. Peng:** SirenScan reveals the conserved presence of siren RNAs and their evolutionary diversification across angiosperms
5 **J. Marquez Molins:** Understanding the role and biogenesis of transfer RNA-derived small RNAs in plant stress
6 **J. Blanke:** Distinct roles of terminal nucleotidyl transferases in plant secondary siRNA biogenesis
7 **A.H. Tomassi:** Next-generation RNAi-based fungicides for crop protection using artificial small RNAs delivered by viral vectors
8 **W. Parzych:** Characterizing small RNA tanscriptome of the *Arabidopsis thaliana* egg cell
9 **C. Houriet:** A priming mechanism drives co-transcriptional miRNA processing in plants
10 **R. Vandevelde:** Inhibition of transgene silencing in *Nicotiana tabacum* BY-2 cells
11 **R. David:** Dual arginine dimethylation of ARGONAUTE1: a new regulatory layer of small RNA activity in Arabidopsis
12 **C.F. Hartmann**: Exploring natural variation of Arabidopsis miRNA Genes
13 **N. Achkar**: The N-terminal extension: a key regulatory hub for AGO1 function
14 **H. Bente**: Dissecting the maternal role of NRPD1 in interploidy seed failure
15 **A.K. Pal**: Role of maternal small RNAs (sirenRNAs) in endosperm development
16 **M. Haag:** Cross-kingdom RNA interference promotes arbuscular mycorrhiza development
17 **A. Vercelletto:** Silencing the silencer: How plants clear unloaded AGO1?
18 **F. Krasnovid:** Small RNA biogenesis in duckweeds
19 **G. Hoffmann:** AGO5 restricts virus vertical transmission in plant gametophytes
20 **C. Scholl:** Structural reconstitution of the Arabidopsis microRNA dicing complex for cryo-EM analysis
21 **A. Marí Ordóñez:** Small meets smaller: unique aspects of small RNA biology in duckweeds, the smallest angioperms
22 **J.P. Fabroni:** Enhancing Spray-Induced Gene Silencing (SIGS) in Solanaceae by modulating host microRNAs
23 **S. Traubenik:** Fine-tuning root architecture for drought resilience: a microRNA regulating cluster root development in white lupin
24 **A. Carbonell:** CRISPR-mediated targeted gene replacement at the miR390a locus enables artificial miRNA production
25 **V. Čermák:** Transcription elongation factor SPT6L recruits AGO to guide mRNA cytosine methylation preventing Pol II termination

S2 Posters - RNA Modifications and Structure

26 **A.M.L. Rojas:** The YTHDF proteins ECT2/3/4, ECT5 and ECT7 are the main m^{6}A effectors in post-embryonic plant development
27 **J. Puyaubert:** Deciphering miRNA functions in the regulation of *Arabidopsis thaliana* seed dormancy
28 **J. Peter:** Benchmarking Nanopore basecallers for m^{6}A detection in plant mRNA: towards context-aware epitranscriptomic profiling
29 **K. Tutak:** The role of pseudouridine in small RNA biogenesis in plants
30 **Y.-C. Chen:** m^{6}A enables timely photomorphogenic transition by tuning translational output during early de-etiolation
31 **E.D. Gallardo Andrade:** Pseudouridine synthases in Arabidopsis – The role in small RNA biogenesis
32 **A.K. Srivastava:** Dissecting the role of RNA m^{6}A modification machinery in plant growth and immunity
33 **M.Trasser:** Germline small RNA modification in epigenetic inheritance in *Arabidopsis thaliana*
35 **E. Aguilar:** RNA quality control (RQC) regulates geminivirus accumulation by modulating antiviral RNA interference (RNAi)
36 **M. Moreno:** m^{6}A controls dormancy of plant branch primordia
37 **A. Dannfald:** Can epitranscriptomic modifications regulate alternative splicing to induce and maintain plant heat stress memory?
38 **A. Schmitt:** Mobile mRNA motifs for short and long-distance transport in different species
39 **D.-H. Jeong:** Coordinated post-transcriptional regulation of the rice drought response
40 **J. Chmielowska-Bąk:** Copper-dependent RNA methylation in the roots of soybean seedlings
41 **Y. Shoaib:** Over-expression of m^{6}A demethylase ALKBH10B confers drought tolerance in Arabidopsis
42 **D. Kubiak:** Dynamic remodeling of stress granules composition during prolonged hypoxia
43 **C.Xiao:** Post-transcriptional regulation via calcium-modulated ribonucleotide structures
44 **V. Viveka:** Upstream cues regulating AS of auxin-dependent processes
45 **R. Kunz:** Identification of mRNA targets of m^{5}C methyltransferases and their role in mRNA mobility
46 **M. Maruschewski:** Discovering alternative polyadenylation in plant transcriptomes from 3'end sequencing data
47 **J. Malik:** The epitranscriptomic mark m^{6}A influences stress granule formation and transcriptome composition under hypoxic stress
48 **A. Golisz-Mocydlarz**: The role of TTL3 in integrating brassinosteroid signaling, plant immunity, and stress response.

S3 Posters - mRNA Processing and Turnover

49 **P. Vittorioso:** Transcriptomic analysis of stress granules in *Arabidopsis thaliana* and *Caenorhabdites elegans*
50 **M. Legoux:** Impact of redox regulation on mRNP granule dynamics and mRNA fate in *Arabidopsis thaliana*
51 **D. Vuarambon:** Early Response to Warm Temperature in Arabidopsis
52 **T. Krüger:** Processing Bodies as sites of ABA-induced post-transcriptional regulation
53 **M.B. de Luca:** NSRa interacts with RNA processing machinery and regulators of light and temperature responses
54 **M. Krzyszton:** Nuclear mRNA storage in seeds
55 **J.Hua:** RNA fate control by nuclear export and mRNA decay shapes root thermomorphogenesis
56 **D. Bielewicz:** Exploring a novel role of HYL1 in RNA Polymerase II transcript maturation
57 **I.E. Hernández Sánchez:** Loss of RBP47 enhances photosynthetic resilience and jasmonate-mediated heat stress tolerance
58 **L. Nagel:** A reporter-based dissection of U1-dependent telescripting in Arabidopsis
59 **I. Zapata Sánchez:** Alternative splicing dynamics associated with heat stress
60 **H. Kim:** The STA1–DOT2 interaction drives nuclear speckle formation for efficient splicing in growth and heat stress responses
61 **G. Martín:** Alternative splicing of PIF4 regulates plant development under heat stress
62 **R. Gossens:** Transcriptional co-regulator RCD1 influences RNA splicing through interaction with the pre-spliceosome
63 **T. Laloum:** Repression of ABA-responsive alternative splicing by an SR protein relieving ABA inhibition of early plant growth
64 **P. González-Vicente:** Etiolated seedlings reveal a link between sugar metabolism and splicing regulators
65 **M. Ohtani:** Plastid activity-dependent pre-mRNA splicing regulates lateral root morphology in Arabidopsis
66 **P. Duque:** An Arabidopsis SR splicing regulator in pattern- and effector-triggered immunity
67 **J. Mariz:** RSZ SR proteins modulate immune responses in Arabidopsis
68 **A. Hübenthal:** Molecular properties underlying specificity of the splicing regulatory proteins RS31a and RS31
69 **E. Olate:** UBL1 regulates freezing tolerance in Arabidopsis by controlling the splicing of genes involved in the cold stress response
70 **J. Saile:** Splice to Survive: How RS proteins guide salt stress responses of plants
71 **H. Sheng:** The function of alternative splicing in mediating temperature responses in *Arabidopsis thaliana*
72 **S. Muniz Nardeli:** The RNA Pol II CTD kinase CDKC;2 couples transcription kinetics to cold sensitivity of splicing mutants
73 **A. Jayanarayan Perumadaraya:** Genome-wide profiling of mRNA dynamics along pollen tube growth of *Solanum lycopersicum*

S4 Posters - Translation

74 **S. Häggström:** Target of Rapamycin (TOR) mediates translational regulation in Arabidopsis
75 **A. Cairo:** Meiotic bodies and their role in meiosis progression
76 **N. Bauer:** Alternative splicing likely drives functional diversification within the MATH-BTB family in *Arabidopsis thaliana*
77 **K. Raabe:** Dynamics of translational machinery composition in Arabidopsis thaliana pollen and pollen tubes
78 **S. Wenkel:** Ribosome profiling reveals novel translated genes and a shade-induced microprotein regulating phytochrome signalling
79 **Z. Kahrizi:** Translational stress-response module controls pollen tube Integrity under high temperature
80 **C. McGrath:** Tuning gene expression with 5'UTR sequence in *Nicotiana benthamiana*
81 **D. Honys:** Molecular strategies for thermotolerant pollen: A tanslational perspective
82 **D. Alabadí:** A cochaperone complex mediates high temperature-induced co-translational mRNA decay in Arabidopsis
83 **E. Nikitina:** Alternative transcription start sites as a regulatory layer of salt stress response in Arabidopsis.
84 **M. Smith:** Translatome dynamics during the thermomorphogenesis response
85 **A. Cavalleri:** VPS13 plays an indirect role in translational repression through its contribution to AGO1 localisation
86 **A. Taqrir:** Translational regulation in the plant temperature response.
87 **I. Kubalová:** One receptor, multiple initiation sites: Structural alternatives and translational control of Arabidopsis CRE1
88 **I. Moreno Sanguino:** uORF-mediated translational control of flowering genes in *Lupinus albus*
89 **E. Novo-Uzal:** Dissecting the role of the Arabidopsis translational regulator ILITHYIA in response to abiotic stress
90 **A. Farvardin:** Translational regulation during vernalization-induced flowering in *Lupinus albus*
91 **L. Diezma Navas:** Investigating siRNA-mediated silencing in duckweeds, a potential model for translational repression in plants
92 **M. E. Zanetti:** Application of exogenous RNAs for improvement of the nitrogen fixing symbiosis in legume plants
93 **M. E. Zanetti:** Evidence for the contribution of ethylene signaling at early stages of the nitrogen fixing symbiosis
94 **C. Llave:** Dual regulation of BIR1 involves site-directed transcript cleavage and 5'-leader-mediated translational control

S5 Posters - Non-Coding RNAs and Other

95 **M. Agazzi:** Engineering nanomaterials for regulatory RNA delivery in plants
96 **P. Mammi:** The long non-coding RNA ACHLYS modulates biomolecular condensates and regulates alternative splicing
97 **A. Christ:** Role of the ALTERNATIVE SPLICING COMPETITOR (ASCO) lncRNA in ABA response.
98 **M. Ji:** Cold-responsive lncRNAs coordinate cold tolerance and hypocotyl development in Arabidopsis
99 **L. Chabes Pereira:** Functional conservation of long non-coding RNAs involved in lateral root development in Brassicaceae
100 **C. Schmitz-Linneweber:** Phase separation compartmentalizes chloroplast RNA processing and translation during cold acclimation
101 **V. Sanchez-Vera:** Characterization of an autophagy-related transcriptional regulator involved in strawberry fruit ripening
102 **C. Martín Pizarro:** A spatiotemporal transcriptome atlas reveals the tissue-specific regulatory landscape of strawberry fruit ripening
103 **M. Michalak:** Insights into the role of type 4 metallothioneins in the response of *Arabidopsis thaliana* to cadmium stress
104 **D. Zabalák:** Multilayered post-transcriptional control of cytokinin signaling in Arabidopsis
105 **M. Antoszewski:** Insights into plant metal homeostasis
106 **F. Sánchez-Rodríguez:** RTL1 orchestrates *NCR* gene expression and symbiosome integrity in *Medicago* nodules
107 **A. Maerten:** Tracing transcript mobility: RNA dynamics in the roots
108 **M. Heidecker:** Proteolytically processing of the new characterized ScDef1 homologue AtDef1l promotes its nuclear localization

S6 Posters - Epigenetics & Epitranscriptomics

109 **M. Guillem Bernal:** Mediator recruitment defines ARF activation
110 **J. Hajny:** Non-coding regulation of auxin canalization
111 **A.M. Luna Morales:** H3K27me3 demethylases orchestrate temperature responses
112 **M. de Lucas:** SUMOylation of CURLY LEAF modulates target binding activity of PRC2 during photomorphogenesis in Arabidopsis
113 **I. Lee:** Genetic and epigenetic regulation of winter cold responses in Arabidopsis
114 **S. Priego Cubero:** Insights into the structural features of epigenetically active MITEs
115 **R. Lopes Correa:** Epigenetic regulation of transcriptome–metabolome uncoupling and symptoms during RNA virus infection
116 **S. Davlatboeva:** Regulation of alternative splicing by R-loop formation in plants
117 **C. V. Filippi:** Splice-site-associated DNA methylation and alternative splicing responses in contrasting soybean genotypes
118 **A. Jain:** MicroRNA, Macro Impact: Decoding NF-Y regulation during abiotic stress in Rice
119 **M. F. Perotti:** Unraveling an epidermis-specific MYB–bHLH complex in cuticle wax biosynthesis
120 **I. Sierocka:** MpSPL3 orchestrates the vegetative and reproductive developmental programs in the liverwort *Marchantia polymorpha*
121 **I. Maruri Lopez:** Manipulation of low-complexity domain in UBP1C stabilizes the core of stress granules for heat stress tolerance
122 **J. Chanwala:** Antisense transcription shapes the regulatory state of stress-responsive genes
132 **M.R. Liu:** *TISCalling*: Leveraging Machine Learning to Identify Translational Initiation Sites in Plants and Viruses
133 **M. Klimek-Chodacka:** Species-specific codon adaptation of CRISPR nucleases for genome editing in carrot and cabbage
134 **A. Macko-Podgórni:** MITE-derived small RNAs in carrot abiotic stress responses
135 **S. Hafidh:** PRP8 splicing subunit at the heart of pollen tube guidance
136 **J. Niedojadło:** Cajal Bodies modulate nuclear mRNA retention, intron splicing efficiency, and snRNA biogenesis under hypoxic stress
137 **H.J. Jun:** Dehydration-induced condensation of AGO1 modulates miRNA functionality

Posters from Flash Talks

123 **W. Prall:** Nascent Long Read Direct RNA Seq captures dynamic post transcriptional m^6A erasure in Arabidopsis
124 **M. Zimna:** Characterizing the plant pseudouridylation complex to better understand miRNA regulation
125 **M. Bajczyk:** DRH1, RH46 and RH40 form dynamic complexes with SERRATE and AGO1 to modulate miRNA biogenesis in Arabidopsis
126 **C. Zlauvinen:** Uncovering the molecular machinery of transposable element-triggered chromatin loop formation in plants
34 **J. Pascual Vázquez:** Mitochondrial retrograde signalling modulates the epitranscriptomic landscape in *Arabidopsis thaliana*
127 **V.K. Raxwal:** Beyond nonsense-mediated decay: UPF1 regulates R-loop homeostasis and splicing in Arabidopsis
128 **T.M. Tessi:** Actin-crosslinkers regulate PTGS by integrating stress signals at a cellular level
129 **A.V. Ly:** Conserved Eukaryotic Initiation Factor-Gated Translation Initiation Drives Plant Stress Response
130 **M. González Fuente:** Bacteria use P-body condensates to attenuate host translation during infection
131 **M. Sharma:** Cell type specific translational landscapes of Arabidopsis root in response to temperature stress

Abstract Book

Guest WiFi *Congreso*



