Abouward, Reem In vitro proximity labelling in neurons transport	to assess regulators of RNA	42
Afonso, Alexandre Uncovering the stressome: a computa stress granule signature and its implie		43
Ahmed, Nujhat Regulation of alternative polyadenylat factor ZNF281	tion by the human transcription	44
Aich, Meghali Regulated interaction of Panct1 with 1 embryonic stem cell fate by regulating		45
Albrecht, Juliane Alternative promoters and alternative functionally distinct isoforms of the estimated		46
Aleshkina, Daria Novel IncRNAs in mammalian oocyte	and early embryo development	47
Alfonso Gonzalez, Carlos Sites of transcription initiation drive n	Presenter: Hilgers, Valerie nRNA isoform selection	48
Andjus, Sara Translation is a key determinant contr long non-coding RNAs	Presenter: Wery, Maxime rolling the fate of cytoplasmic	49
Arnold, Benjamin SRSF5 regulates paraspeckle size, nu speckles	Presenter: Okuda, Ellen mber and proximity to nuclear	50
Ashkenazy-Titelman, Asaf RNA export through the nuclear pore	Presenter: Atrash, Mohammad complex is directional	51
Aubert, Maxime	Presenter: Gleizes, Pierre-Emmanue	
3' Uridylation monitors exonucleolytic ribosomal RNA in the cytoplasm	maturation of the 18S	52

Baudu, Timothée The nonsense-mediated mRNA decay mRNA in a 3'UTR dependant manner d mesenchymal transition		53
Becker, Fabienne The novel Tho1 annealing activity is ev	volutionarily conserved	54
Begik, Oguzhan Nano3P-seq: transcriptome-wide analy dynamics using end-capture nanopore		55
Berry, Cameron Systematic identification of downstrea functions	m ORFs and their biological	56
Billon, Victor How genes endure intronic transposat	ble elements	57
Blaszczyk, Leszek Exploring structural determinants of th interaction in p53 mRNA and the role of		58
Boileau, Etienne Full-length spatial transcriptomics reve diversity of the myocardium post-MI	eals the unexplored isoform	59
Bonneau, Fabien Isolation and characterisation of yeast mRNPs	endogenous pre-export	60
Breuer, Janina Artificial circular RNA sponges targetin molecular biology and medicine	Presenter: Rossbach, Oliver ng miRNAs as a novel tool in	61
Britto-Borges, Thiago	Presenters: Britto-Borges, Thiago; Böhm, Volker	
Comprehensive identification and ann NMD-targeted transcriptome	otation of the human	62

Bryson, James Characterising the impact of ribosomal RNA modifications on translation and cell fate	63
Buonaiuto, Giulia Non-coding RNA-mediated regulation of cardiac development: how RNA epigenetics influences cardiomyocytes maturation	64
Carrasco, Judit An endogenous mechanism of functional rescue ensures neuronal transcript signatures that are critical for nervous system differentiation	65
Castañeda, Verónica Identification of novel IncRNAs during early chondrogenesis	66
Cattaneo, Roberto History and geography of a lethal human brain infection by a persistent RNA virus	67
Cancelled	68
Cheng, Fang-Ju Cigarette smoke enhances GLUT3 expression by down-regulation of hsa-miR146a-5p for NSCLC progression	69
Cheng, Teri Nuclear RNAi terminates transcription to limit replication stress	70
Consorte, Alessandro Role of Tdrd6 proteins in germ plasm structure and loading of dazl RNA in zebrafish embryos	70
Constanty, Florian Functional characterization of the IncRNA pvt1 in vivo	72
Cruz-Ruiz, Samantha Functional characterization of IncRNAs in response to transcriptional stress in cancer cells	73

Curry-Hyde, Ashton Investigating the epitranscriptome in human tissues	74
Daly, Ciaran Long 3' UTRs trigger NMD-independent decay of mammalian mRNA	75
Danecka, Weronika Investigating the role of 3'-untranslated region sequence in condition-dependent mRNA fate	76
Dasgupta, Sandipan Presenter: Haimovich, Gal Global analysis and physiological consequences of tunneling nanotube-mediated intercellular mRNA transfer in mammalian cells	77
David, Orit A massively parallel reporter assay identifies 3'UTR sequences regulating translation in neurons	78
Dawson, Charlotte Uncovering m6A-regulated RNA binding proteins using METTL3 inhibitors	79
De, Soumasree Identification of novel factors involved in nonsense-mediated mRNA decay (NMD) using a fluorescence-based genetic screen in HAP1 cells	80
Delazer, Isabel 5-methylcytosine in 3'UTR of mRNA: a regulator of transcript stability?	81
Despic, Vladimir mRNA aging shapes the Cap2 methylation landscape to regulate the innate immune response	82
Diallo, Leïla Halidou Circ-P1 and circ-P2 are novel circular RNAs that can be translated into proteins in lymphatic endothelial cells	83

Downie, Angela Interplay between transcription, splicing and microRNA biogenesis in the context of long non-coding RNA pri-mir-122	84
Dvoran, Michal Differential regulation of active translation in mouse oocytes and zygotes upon maturation in vitro and in vivo	85
Dziubek, Alexis Impact of 3' UTR variation on post-transcriptional regulation of genes affecting male fertility	86
Elvira Blázquez, Daniel The m6A RNA binding protein YTHDC1 acts at multiple levels to ensure a correct DNA damage response	87
Emerson, James Control of male biased protein expression in the cardiac conduction system by X-chromosome miRNAs	88
Farhat, Dayana The m6A modification at the translational regulation basis of the sexual development in the malaria parasite	89
Fasnacht, Michel An 'alternative splicing-like' mechanism in bacteria?	90
Fedorova, Alla Thousands of human non-AUG extended proteoforms lack evidence of evolutionary selection among mammals	91
Fickl, Magdalena 6-Thioguanosine monophosphate prodrugs with the potential to overcome thiopurine resistance	92
Filbeck, Sebastian Bacterial ribosome collision sensing by a MutS DNA repair ATPase paralogue	93
Foskolou, losifina m6A RNA methylation occurs in novel sequence motifs in human CD8 T cells	94

Ganskih, Sabina Dissecting the functional Interplay between viral RNAs and their host proteome	95
Girardi, Erika Double stranded RNA-protein interactome in Sindbis virus infection	96
Gjerga, Enio Adaptive sampling as tool for nanopore direct RNA-sequencing	97
Gopinath, Srikar Krishna A massively parallel reporter-based approach to assess the effect of variations in the human 5' UTRs on translation	98
Gor, Kavan Real-time tracking of co-transcriptional RNA folding	99
Hafstad, Völundur Fusion transcript validation and miRNA convergence in cancer	100
Han, Wan Yin Arabidopsis mRNA decay landscape carved by XRN 5'-3' exoribonucleases	101
Hara, Toshifumi Alteration of methyltransferase-like (METTL) genes expression and its functional relevance to peritoneal dissemination in human scirrhous gastric cancers	102
Hauth, Franziskus A standalone editing protein deacylates mischarged canavanyl-tRNAArg to prevent canavanine incorporation into proteins	103
He, Yu-Hao Presenter: Huang, Wei-Chien Non-B DNA structure-induced transcription of lincRNA-p21	104
Henke-Schulz, Laura The Prp19C subunits Cwc15 and Syf2 function in TREX occupancy and transcription elongation	105

Posters A-Z

Hernandez Cañas, Maria Clara Identification of architectural long non-coding RNAs (arcRNAs) in response to hypoxia	106
Hluchy, Milan Presenter: Gajduskova, Pavla CDK11 regulates pre-mRNA splicing by phosphorylation of SF3B1	107
Hohmann, Ulrich Mechanistic insights into piRNA precursor nuclear export	108
Horváth, Attila Stochastic ribosomal co-localization on messenger RNA refines translational control of the cell	109
Hu, Wenxin Presenter: Hu, Wenxin Single-base precision Cas13 enables systematic silencing of oncogenic fusions	110
Hull, Ryan 5PSeq-TS: capturing the degradome in humans and single-cells	111
lelasi, Francesco Mutually exclusive assembly of histone- or canonical-mRNA processing complexes on a replication-dependent histone mRNA by overlapping 3'-end cis-acting sequence elements	112
lino, Haruki Mango-NASBA: a rapid point-of-care nucleic acid detection diagnostics tool	113
Jain, Shruti A non-canonical role of snoRNAs in regulating antiviral responses in Drosophila melanogaster	114
Jansova, Denisa Simultaneous detection of translational event of single mRNA in the cell	115
Jayachandran, Uma Presenter: Cook, Atlanta G. Post-transcriptional regulation by NF90/NF45 dsRNA binding complexes is likely driven by oligomerisation events	116

EMBO EMBL Symposium: The complex life of RNA	
Jeon, Heung Jin Presenter: Lim, Heon Failure of translation initiation of the next gene decouples transcription at intercistronic sites and the resultant mRNA generation	117
Johnson, Krystal Investigating consequences of nuclear AGO2 in colon cancer model systems	118
Cancelled	119
Kamel, Wael Viral RNA redistributes key nuclear RNA-binding proteins to the viral replication centers in the cytoplasm of infected cells	120
Kato, Shoya Uncovering new transcripts and RNA processing in humans using full-length RNA sequencing	121
Khan, Rukshar Regulation of hepatic lipogenesis and gluconeogenesis by miR-98-5p during diabetes	122
Klostermeier, Dagmar Linking elF4A conformational dynamics with efficiencies of translation initiation and gene expression	123
Kögel, Alexander Molecular insights into the interaction between the human SKI complex and HBS1L3, the bridging factor that connects to the RNA-degrading exosome	124
Kosek, David Structural features of the SIRT1:miR-34a complex determining target repression	125
Koubek, Jirí Timely subunit association during co-translational complex assembly enabled by domain folding inside the ribosomal tunnel	126

Krawczyk, Pawel The complex life of mRNA-1273 vaccine poly(A) tail in immune cells	127
Krishnaraj, Preethi Investigating the relationship between gene silencing and transcriptional adaptation	128
Ku, Jayoung Post-transcriptional gene regulation via crosstalk between alternative polyadenylation and endogenous double-stranded RNAs	129
Kueckelmann, Sabrina Interplay of SMG1 and SMG8 is critical for the execution of nonsense-mediated mRNA decay	130
Kumari, Bandana Insights into regulation and consequences of intron retention using Iong-read sequencing	131
Landrein, Nicoas Presenter: Basyuk, Eugenia HIV-1 promoter bursting in T-lymphocytes	132
Lebedeva, Svetlana Analyzing the role of RBPs in RNA stability prediction	133
Lee, Haejeong Elucidating coding sequence regulating the mRNA stability using massive parallel reporter assay	134
Lee, Joshua Redefining cancer transcriptomes at single-transcript resolution with long- read sequencing	135
Lee, Namseok Double-stranded RNA interactome capture reveals key regulators of antiviral response	136
Lee, Szu Shuo PSPC1 guards male fertility as an inhibitor of premature transcription termination in spermatogenesis	137

Lee, Young-suk Deadenylation kinetics at single-nucleotide resolution	138
Lence, Tina Molecular and functional characterization of noncoding RNA raiA in Clostridioides difficile	139
Liudkovska, Vladyslava Dynamics of RNA metabolism during embryonic differentiation	140
Loughran, Gary F. Presenter: Baranov, Pavel V. Towards community-driven guidelines for the use of dual reporters in studying mechanisms of mRNA translation and decoding.	141
Mancini, Flaminia Reverse transcriptase fingerprint method as a selective profiling technique for the identification of NpnN-RNAs	142
Marini, Alberto Back-splicing in medulloblastoma: investigating the functional role of sequence elements and RNA-binding proteins	143
Martin, Athena MiR-181a regulation of TNF changes during the inflammatory response	144
Martinez, Braulio Local control of axonal translation during neuronal development by N6 methyladenosine (m ^s A) methylation of long 3' UTRs	145
Martinez Lumbreras, Santiago Intramolecular autoinhibition regulates the molecular interactions of PRPF40A tandem WW domains in the early spliceosomal complexes	146
Martins-Silva, Rita p16 as a transcriptomic marker of cell senescence regulation	147
Masek, Tomas Polysome profiling of oocytes, early development, and cell cycle in mammals	148

Miano, Valentina The mRNA 5'-cap methyltransferase TGS1 regulates redox metabolism in acute myeloid leukaemia	149
Mikl, Martin Multimodal measurements of 3'UTR-mediated control of neuronal mRNAs	150
Miosga, Matthias Bastian Tho1 interacts with the RNA-helicase Sub2 and resolves R loops via a novel nucleic acid annealing activity	151
Mititelu, Maria Bianca Arabidopsis thaliana Nudixes have RNA decapping activity	152
Modic, Miha MEK-LIN28A nexus triggers selective mRNA decay to drive morphogenesis upon implantation	153
Moreno, Marcos Presenter: Gallego, Carme The role of KIS in driving neuronal splicing programs	154
Mullari, Meeli Global analysis of RNA-binding proteins in the brain reveals aberrant splicing regulation by RBM5 in Huntington's disease	155
Müller-McNicoll, Michaela Poison cassette exon splicing of SRSF6 regulates nuclear speckle dispersal and the response to hypoxia	156
Mulorz, Miriam FUBP1 is a new core component of 3' splice site recognition that facilitates splicing of long introns	157
Naarmann-de Vries, Isabel S. Differential assessment of human disease-associated ribosomal RNA modifications using Nanopore direct RNA sequencing	158
Navalayeu, Tsimafei Time-controlled CRISPR/Cas9 approach resolves the cellular assembly and functions of mammalian RNA exosome subunits in mESCs	159

Nijim, Malak Elucidating the effect of potential programmed ribosomal frameshifting sites on RNA stability	160
Noe, Yannic hnRNP L in carcinogenesis, hypoxia and vascularization	161
Nykiel, Kamila Analysis of nuclear RNA binding proteins in mouse ESC	162
Oldfield, Andrew Presenter: Luco, Reini A 3D chromatin organization for alternative splicing regulation	163
Ona, Samara Understanding the structural basis of the tRNA modifying complex KEOPS	164
Ongena, Loïc A novel role for FET oncogenic fusions in alternative splicing	165
Cancelled	166
Pacheco-Fiallos, Belen Nuclear mRNA recognition and packaging by the human transcription-export complex	167
Pal, Apala Δ 40p53, the p53 translational isoform orchestrates cellular harmony involving linc00176	168
Palou, Guillermo Variability of nonsense-mediated mrna decay efficacy across human cancers	169
Pataki, Emese Heat shock transperon as effector of coordinated gene expression in eukaryotes	170

Payr, Marco RNA structure and cooperativity effects in ribonucleoprotein assembly during translation repression of msI-2 mRNA	171
Pereira, Marisa ELP3 expression and tRNA modification levels are predictors of protein aggregation burden in Alzheimer disease models	172
Planells, Jordi Regulation of chromatin-associated transcripts by the RNA exosome in Drosophila melanogaster	173
Polat, Feyza Unravelling differences in SNRPB and SNRPN gene paralogues for RNA splicing	174
Polymenis, Michael Using dCas13d-APEX2 fusions identifies specific protein-mRNA interactions that impose translational control in the cell cycle	175
Potiri, Myrto Presenter: Kafasla, Yiota Pancreatic neuroendocrine tumors: an unexplored splicing canvas	176
Powers, Kyle Structures of nonsense-mediated mRNA decay factors UPF3B and UPF3A in complex with UPF2 reveal molecular basis for competitive binding, neurodevelopmental disorder-causing mutation, and interplay with RNA	177
Quilles Junior, José Carlos Processing and functions of differentially expressed non-coding RNA (ncRNAs) of Leishmania braziliensis	178
Rájecká, Veronika An unbiased analysis of interplay between adenosine methylation and editing	179
Rathore, Om Singh YTHDC1: An alternative mediator between the NEXT and CBCA complexes?	180

Ratnadiwakara, Madara SRSF3 shapes miR-17-92 cluster stru miRNA processing in colorectal cance	-	181
Rauch, Susanne Optimization of non-coding regions ir mRNA-based SARS-CoV-2 vaccine in		182
Ribeiro, Diana tRNA wobble uridine modifications ar and host responses upon influenza a		183
Ripin, Nina DDX6 modulates stress granule asser complexes between stress granules a		184
Riquelme, Sebastian The complex role of mRNA modificati	ons in bacteria	185
Roucova, Kristina Loss of ADAR1 protein induces chang human hepatocytes	ges in small RNA landscape in	186
Rouviere, Jerome ARS2 instructs early transcription ter recruiting ZC3H4 to nascent transcrip		187
Ruchika, Ruchika Designer PPR proteins to target non-o	coding RNAs	188
Rücklé, Cornelia RNA stability controlled by m6A meth dosage compensation in mammals	Presenter: König, Julian ylation drives X-to-autosome	189
Safieddine, Adham P-body purification across the cell cy transcriptome and widespread differe		190
Sainova, Iskra Suggestion of the role of RNA-fragme non-wished viral and cellular genes	nts in suppression of	191

Sajek, Marcin Widespread stimulus-induced dynamics of MUSASHI2-RNA targeting during steroidogenesis	192
Sankaranarayanan, Srimeenakshi HyperTRIBE unveils the role of RNA binding protein Khd4 as a regulator of membrane trafficking in Ustilago maydis	193
Sas-Chen, Aldema When the heat is on – turn up the Ac(4C): potential roles for RNA acetylation in thermostability	194
Schinke, Patrick Investigating the effect of RNA methylation on translation efficiency using statistical modeling	195
Schlautmann, Lena Exon junction complex-associated multi-adapter RNPS1 nucleates splicing regulatory complexes to maintain transcriptome surveillance	196
Schumann, Vanessa From in vitro transcription to biophotonic assays: a complete RNA production line including RNA labeling	197
Seidel, Maximilian Presenter: Beck, Martin Co-translational binding of importins to nascent proteins	198
Seidler, Johanna Purification of transcript-specific nuclear mRNP complexes	199
Sen, Raneet The role of XRN1 exoribonuclease in the post-transcriptional regulation of LINE-1 retroelement	200
Serianni, Valentina Non-canonical RNA caps affect the RNA turnover under stress conditions in E. coli	201

Sgromo, Annamaria Systematic profiling and kinetic modeling of RNA 3 ⁻ -end uridylation reveals molecular principles underlying non-coding RNA quality control in Drosophila	202
Shanas, Shaked Mapping the diversity of alternative splicing choices	203
Sharma, Sahil Endogenous RNA targeting by Cas9 in the foodborne-pathogen Campylobacter jejuni	204
Sharma, Uttam Long non-coding RNA LINC00324 promotes esophageal squamous cell carcinoma through miR-493-5p/MAPK1 axis	205
Shilo, Asaf HiFENS: high-throughput FISH detection of endogenous pre-mRNA splicing isoforms	206
Sindhu, SuvimalPresenter: Mishra, ArchitaShaping the organization of the avian pallium through interplaybetween microRNA 19b and NeuroD	207
Sobanska, Daria The cooperation of conserved RBPs ensures a highly specific silencing of a master regulator	208
Söderholm, Adrian Regulation of RNA export by a novel conserved factor and its implications for type II interferon signaling	209
Songailiene, Inga Functional study of toxin-antitoxin HEPN-MNT and type I-D CRISPR-Cas systems	210
Soni, Komal Mechanistic insights into RNA surveillance by the canonical poly(A) polymerase Pla1 of the MTREC complex	211
Sostaric, Nikolina Global translational analysis of human CD8+ T cells	212

Stebel, Sophie Function of cellular miRNAs in the viral replication cycle of SARS-CoV-2	213
Stefanyshena, Nataliia Role of THO/TREX component Hpr1 in messenger ribonucleoprotein particle (mRNP) formation in S. cerevisiae	214
Stoffel, Nina Kim Dissecting the binding behaviour of the multi-RRM protein Rrm4 during endosomal mRNA transport in Ustilago maydis	215
Strayer, Ethan NaP-TRAP captures 5' UTR dependent translational regulation in the developing zebrafish embryo	216
Strobl, Xue PHF3 regulates neuronal differentiation at the interface of transcription and mRNA stability	217
Stufera Mecarelli, Lorenzo Shipped to the wrong place: unraveling the role of spatial regulation of gene expression in ALS by APEX2 proximity biotinylation	218
Szeto, Jenn-Yeu Alvin What a load of nonsense mediated mRNA decay: interplay between NMD factors UFP2, UPF3B and RNA	219
Tants, Jan-Niklas Structural embedment of regulatory RNA cis elements in full-length Ox40 3'-UTR and its consequences for RNP formation with Roquin protein	220
Tarabieh, Anan How RNA Polymerase II pairs the splice sites?	221
Taskopru, Ezgi piRNA-mediated transcriptional silencing of LTR-retrotransposons in Aedes mosquitoes	222

Thivierge, Caroline P SFPQ is a regulator of nuclear microRN	resenter: Bellefeuille, Maxime A biogenesis	223
Toledano, Ignasi Systematic experiments to characterize nonsense-mediated rna decay (nmd) act		224
Tseng, Hsin Wei Distinct, opposing functions for CFIm59 alternative polyadenylation of Pten and cascade		225
Vaitkiene, Paulina Characterization of LncRNAs modified b glioblastoma	by m6A RNA methylation in	226
van der Salm, Elise P Localized translation in the C. elegans e molecule level	resenter: Ruijtenberg, Suzan mbryo, visualized at single	227
van der Salm, Elise Live imaging of translation dynamics wi in C. elegans	th single molecule resolution	228
Van Ende, Roosje A widely applicable and cost-effective m specific RNA-protein complex isolation	nethod for general and	229
van Haaren, Maurice Alternative splicing is fundamental for tr interferon gamma receptor 2	ranscriptional regulation of	230
van Vroonhoven, Ellen N6-methyladenosine directly regulates (lymphocytes	CD40L expression in CD4 T	231
Vopalensky, Vaclav Transcription apparatus of the yeast viru related to the poxviral one	us-like elements is closely	232
Vukic, Dragana Investigating a novel role of ADARs in R	NA metabolism	233

Waldron, Joseph Mechanistic determination of the opposing roles of eIF4A1 and eIF4A2 on oncogenic gene expression programs in colorectal cancer models	234
Wallace, Edward An RNA-binding protein that evolved a change in function to control translation in fungi: the surprising history, structure, and function of Ssd1	235
Wallmeroth, Damaris Human UPF3A and UPF3B enable fault-tolerant activation of nonsense-mediated mRNA decay	236
Wang, Bo-Wei Auramine sensitizes non-small cell lung cancer cells to chemotherapy by inducing mutant p53-regulated lincRNA-p21 expression	237
Weixler, Lisa ADP-ribosylation is a novel RNA modification with a potential role in RNA-ligation	238
West, Jessica Global quantification of 3'UTR-mediated gene regulation	239
West, Katie Malat1 is a critical determinant and coordinator of RBP function during lymphocyte differentiation	240
Wieden, Hans-Joachim Ribosomal protein S1 mediates the trans-kingdom activity of the IGR IRES containing mRNAs	241
Wu, Guifen RNA 3'end uridylation and adenylation direct failsafe mechanisms to protect cells against superfluous transcripts	242
Wu, Ting-YingPresenter: Liu, Ming-JungModeling non-canonical translation initiation sites revealscis-regulatory codes in plants	243

Yan, Shuling Visualizing localization and translation of slam RNA by single particle microscopy in early Drosophila embryos	244
Yu, Bo-Yi Revealing the epitranscriptomic landscape of m6A in cancers using deep neural networks	245
Zaja, Roko The role of reversible RNA ADP-ribosylation in mammalian cells	246
Zaninello, Marta The RNA binding protein CLUH shapes the proteome and regulates the homeostasis of axonal mitochondria	247
Zhang, Yujie Ribosomal frameshifts as a novel mechanism to regulate mRNA abundance in response to stress	248
Bestehorn, Annika From the cradle to the grave: co-transcriptional targeting of inflammatory mRNAs for cytoplasmic degradation	249
Degrassi, Monica The apurinic/apyrimidinic endoribonuclease 1 (APE1) regulates the expression of miR-183-5p, miR-218-5p, miR-130b-3p, miR-33a-5p and miR-146a-5p upon genotoxic damages in cancer cell lines	250
Sauvageau, Martin Conserved role of the IncRNA CRNDE in regulating senescence and promoting colorectal cancer cell proliferation	251
Nalawade, Rohit A conserved microRNA turnover mechanism drives the oncogenic potential of specific cancer types	252
Fernandes, Jervis Sexually dimorphic microRNA miR-190 regulates lifespan in male Drosophila	253
Pereira-Castro, Isabel The function of the immune system in colorectal cancer alternative polyadenylation	254