Abbink, Truus ATF4, CHOP and GADD34 promote disease progression in vanishing white matter	64
Aden, Merle The RACK1/Asc1's sphere at stalled and collided ribosomes	65
Al-Chamy, Nawal No nonsense allowed!	66
Al-Doori, Karam Reprogramming translation: assessing the tRNA response to mitochondrial toxicity	67
Aleksic, Milan Translational activity dynamically governs ribosome homeostasis by coupling protein synthesis to the selective turnover of distinct ribosome populations	68
Altan, Nehir Exploring translation in microbiomes using MetaRibo-Seq	69
Amaya Ramirez, Cinthia Claudia Cancer diagnostics based on ribosome quality control vulnerability	70
Antignano, Ignazio Presenter: Capasso, Melania Aged microglia alter their protein homeostasis in a mTORC1-dependent fashion	71
Arora, Ankita Understanding the role of GTPase (EngA) in ribosome assembly	72
Arora, Gantavya Effect of pathogenic mutations on biogenesis of human mitochondrial tRNAMet	73
Arpa, Enes Double-stranded RNA responses, neoantigen presentation and suppression of hepatocellular carcinoma through NMD inhibition via endonuclease SMG6	74

Astroga, Jose	
Convergent proteome remodelling in human models of autism spectrum disorder	75
Balaji, Shravani Divergent coronavirus Nsp1 proteins are endonucleases	76
Bangerter, Jana Ribosome profiling to explore translational control in human neural crest development	77
Bellec, Maelle Presenter: Bellec, Maelle Live single-mRNA translation imaging in vertebrate embryos uncovers real-time kinetics and UTR-mediated regulation	78
Berendes, Ole Structural dynamics of ribosome-stalling peptides in the ribosomal exit tunnel uncovered by MD simulations	79
Bertrand, Lisa Identification of targets and cis-acting regulatory features of the noncanonical initiation factors mcts1-denr and eif2d	80
Biancolella, Antonio A method to survey cellular metabolism for evidence of riboregulation	81
Bidou, Laure Presenter: Rullaud, Camille Specific selection of tRNAs to promote PTC readthrough	82
Biermeier, Alexander Presenter: Biermeier, Alexander MTORC1-dependent translation in layer 5b neurons contributes to memory consolidation	83
Bleischwitz, Christian What makes protein synthesis oscillate during the yeast cell cycle?	84
Bock, Lars V. Integrating single-molecule and ensemble measurements using a Bayesian approach to infer kinetic rates	85

Braun, Jörg mRNA sequence parameters and form mRNA therapeutics performance	ulation optimization increase	86
Brázdovic, Filip Directed evolution of tRNA molecules	in yeast	87
Brekker, Mollie Adaline eIF4E2 is responsible for non-canonic subset of mRNAS in absence of canon		88
Bruno, llaria Integrated ribosome profiling solution development	Presenter: Del Piano, Alessia s for accelerating RNA drug	89
Cai, Wenjun Characterizing the role of specialized ribosome-associated proteins during		90
Capeille, Solemne Hypermethylated mRNA caps in mamr translational impact	Presenter: Allmang, Christine nals: repertoire and	91
Capeille, Solemne Epitranscriptomic modification of the translation mechanism	mRNA cap and study of its	92
Cernekova, Michaela Early protein-protein interactions with	Presenter: Kolar, Michal in the ribosomal exit tunnel	93
Chan, Lewis Extensive natural variation in the drug ribosomes	-binding sites of eukaryotic	94
Chan, Tristan Yew Kit Gcn1 protects temporarily paused ribo	Presenter: Choe, Young-Jun	95

Charapitsa, Iryna Characterisation of B306 as a lead compound from a novel series of heterocyclic bisamides that target protein translation in activated immune cells by upregulating the integrated stress response	96
Chitoiu, Leona Dissecting domain-specific roles of ZNF598 in ribosome-associated ubiquitination	97
Ciocia, Annagiulia Presenter: Vicent, Ignacio CSDE1 phosphorylation and its influence on ribosome interaction	98
Cole, Cameron Probing translation surveillance with a constitutive RNA-binding ASCC3 mutant	99
Cueny, Rachel Deconvoluting disparate roles of DDX6 in translation initiation	100
D'Agostino, Mattia Structural characterization of melanoma-related IncRNA LENT reveals high-order complexity	101
de Maeyer, Annke Applying Bayes to PET-FCS data of cotranslational folding	102
de van der Schueren, Lotte Presenter: Yordanova, Martina A conserved translon mediates start site selection in BAG1 mRNA	103
Denk, Timo Structural basis of co-translational N-myristoylation in humans	104
Downie, Angela Presenter: Jopling, Catherine L. Role of CCR4-NOT complex in microRNA repression in the endoplasmic reticulum and cytoplasm	105
Düster, Robert Decoding the molecular grammar of CLUH activity in the translation of nuclear encoded mitochondrial proteins	106

Erb, Anthony CDC123 functional impairments noncanonically induce the integrated stress response and cause a novel neurodevelopmental disorder	107
Fakih, Fadel Frequent occurrence and predicted functions of tRNAs with short anticodon stems in bacteria and phages: expanded hyperwobble hypothesis	108
Fischer, Paulina Presenter: Thoms, Matthias H/ACA snoRNP guides ribosomal RNA subdomain folding in a satellite particle before joining the core 90S pre-ribosome	109
Frydrýšková, Klára Presenter: Pospisek, Martin An investigation into the splicing variants of human elF4E isoforms and their distinct roles in stress	110
Fujiwara, Toru Sensing of nutrient concentration by ribosome and subsequent regulation of nutrient transporter gene expression.	111
Garraffo, Raffaele STAU1 and circHIPK3 finely regulate the translation of BRCA1 mRNA in RD cells	112
Gerhalter, Magdalena Development of orthogonal biosynthetic archaeal ribosomes for the targeted production of biomolecules	113
Gibert, Virgile FANCA interactome and mutants link ribosome dysfunction to Fanconi anemia, suggesting overlap with ribosomopathies	114
Gill, Manraj Presenter: Kim, Isabelle Long-range mRNA folding shapes expression and sequence composition of bacterial genes	115
Göhmann, Philip Jonas Structural basis for archaeal ribosome-associated quality control by aRqc2	116

Göktas, Gülsah The central role of RQC in maintaining	Presenter: Bykov, Yury mitochondrial homeostasis	117
Gonzalez Sevine, Asier Harnessing translation regulation to ir the yeast Komagataella phaffii	ncrease protein production in	118
Gopal, Aiswarya 5' UTR-mediated translational control	in immune cells	119
Grimins, Autumn Short 5'UTR allow for elF4E1-independence sense RNA viruses	dent translation of negative	120
Gupta, Antra Primordial germ cell development requirement complex for translational contents.		121
Gupta, Nidhi Distinct uS11/Rps14 interactions with complex differentially alter the accuracy		122
Haimann, Martin Ribosomal RNA expansion segment E 3' UTR in the innate immune response		123
Hartmann, Jonas Unraveling the role of the integrated soorthoflavivirus infection	tress response during	124
Hashimoto, Satoshi Conserved mechanism of collision de	pendent mRNA degradation	125
Hawk, Christopher How do cells distinguish a functional ipathological stall?	Presenter: Jin, Hong ribosome pause and a harmful	126
Heim, Andreas Translational repression by 4E-T is cru arrest in vertebrate opcytes	ucial to maintain the prophase-l	127

Helena-Bueno, Karla Structurally heterogeneous ribosomes cooperate in protein synthesis in bacterial cells	128
Hemandhar Kumar, Nisha Proteo-transcriptomic reprogramming and resource reallocation define the aging mammalian brain	129
Hernandez Alias, Xavier Multi-scale analysis of mRNA translation adaptation to nutrient shifts reveals novel regulatory elements	130
Herrmannová, Anna EIF3-mediated translational control of MAPK/ERK signaling pathway	131
Horn, Jacob Comprehensive analysis of sars-cov-2 5' utr elements that regulate viral translation	132
lto, Hayato Visualizing co-translational assembly of translation factor eIF2B subunits in live cells	133
Jazurek-Ciesiolka, Magdalena SCA3 RAN translation: searching for initiation factors and RAN protein interactors	134
Jentoft, Ida Marie Astad Translation rewiring during embryonic diapause	135
Jiang, Yanyi Synthetic circular RNAs as tools to dissect translation regulation mechanisms	136
Johnson, Emily Defining the evolutionary conserved protein-RNA interface for the cell-fate regulator Bicaudal-C	137
Johnson, Lucy Translational control of a unique bicistronic gene linked to prader-willi syndrome	138

Johnston, Ryan	Presenter: Lyons, Shawn M.	
Start codon stringency as a translation and lifespan regulation	nal checkpoint in inflammaging	139
Kansara, Laveena RNA architecture at the translation ter readthrough rate of a POU/Oct transcr		140
Kanzler, Charlotte Control of embryonic cell fates by the Bicaudal-C	translational repressor	141
Kim, Hyojun How macromolecular crowding slowd pressure?	own protein production under	142
Knickel, Moritz Investigating the effect of differential t assembly and protein folding in liver of		143
Koch, Philipp A versatile toolbox to determine IRES tissues, and in in vitro extracts	activity in cells, embryonic	144
Kole, Tanaya GTPase-activating protein eIF5 residue play an important role in the start code		145
Koppaka, Omkar ADAR fusion location influences ataxi through an improved tribe analysis pi		146
Kouamenou, Koami TOR signaling during UV stress respo	Presenter: Schepetilnikov, Mikhail V nse in plants	′. 147
Krebs, Rosi The role of site-specific rRNA 2'-O-me	thylations in glioblastoma	148
Kühner, Felix Molecular roles of the ribosome-assochuman cells	ciated chaperone complex in	149

Künne, Annika Codon usage and tRNA modifications in the regulation of quiescence	150
Lahry, Kuldeep Microbial metabolite preQ1 regulates host cell physiology through selective tRNA degradation and translation regulation	151
Leong, Jia Xuan Exploring the translational landscape in ectocarpus using ribosome profiling	152
Li, Jeffrey Ribosome collisions induced by different elongation inhibitors trigger distinct signaling pathways	153
Cancelled	154
Liedtke, David mRNA residues beyond the Kozak sequence remodel the human 48S initiation complex and promote start site selection	155
Liu, Honglian Presenter: Pelechano, Vicent Rapid nanopore-based diagnosis of phenotypic antimicrobial resistance	156
Liu, Yingxiao Exploring the role of the eukaryotic translation initiation factor 3 in primed microglia	157
Lopucki, Krystian Mapping the cell stress response pathways induced by ribosomal inactivating proteins	158
Mahima, . Optimization of ribosome utilization in Saccharomyces cerevisiae	159
Makarova, Nadezhda Novel stop codon readthrough stimulatory elements revealed by high throughput screening in Drosophila cells	160

Makarova, Nadezhda Uncovering hidden proteins with PIRA for non-canonical translation events	TE: a proteomics analysis tool	161
Maldosevic, Emir The C-tail arresting peptide of AMD1 re transferase center to regulate translati		162
Martin Garrido, Abel The role of Eukaryotic elongation factor	or 1 α in cardiac homeostasis	163
May, Gemma Function and evolution of mRNA struc conserved 5' UTR of mammalian Titin	ctures and uORFs in the deeply	164
Meiklejohn, Kyle GUG initiation allows dual mitochondr NSUN2	rial/nuclear localisation of	165
Metelev, Mikhail Single-molecule tracking of ribosome	rescue factors in E. coli	166
Mghezzi-Habellah, Makram HTLV-1-mediated translational reprogramming through initiation inhibition and selective mRNP remodeling		167
Mohan, Hrudya The role of thiol oxidation of ribosoma of aging	ıl proteins during early stages	168
Moschref, Frederieke Sophie Presynaptic protein synthesis - quanti of presynaptic ribosomes	tative ultrastructural analysis	169
Mosko, Frédéric Metabolic signalling as a safeguard of	translational fidelity	170
Muguruza-Montero, Arantza Calmodulin as an essential chaperone the Kv7.2 ion channel	Presenter: Tait, Jack for co-translational folding of	171

Mukherjee, Pooja Translational control of T cell activation mediated by interactions between microRNAs and eIF3	172
Müller, Jan Deciphering the molecular mechanisms of a pathogenic ELP6-L118W missense mutation in brain	173
Narayanan, Samyukta Systematic ribosomal RNA expansion segment targeting in translation regulation in macrophages	174
Niu, Shuangshuang Structural decoding of ribosome collision sensing by ZAK α	175
Ogran, Ariel Discovery of translation regulatory features and cross-UTR interactions through precise mapping of mRNA ends and machine learning	176
Parkin, Kelly Presenter: Campbell, Susan Stress-induced re-localization of elF2Bα to stress granules impacts elF2B complex formation and ISR activation	177
Pavesi, Tommaso Inhibition of quinone reductase 2 reduces oxidative stress via regulation of protein synthesis machinery	178
Peng, Bee-Zen Kinetic assembly landscape of human 43S preinitiation complex	179
Perret, Antoine Alternative translation initiation mechanism of Tau mRNAs during Alzheimer's disease	180
Pigalchuk, Inna Global mRNA stabilization - a novel feature of the cellular DNA damage response (DDR)	181
Poim, Ana Adaptation to tRNA hypomodification leads to gene expression remodelling during long-term yeast evolution	182

EMBL Conference: Protein synthesis and translational control

Pospíšilová, Klára Uncovering the roles of individual eIF3 subunits		183
Poulis, Panagiotis Pro Mechanism of +1 ribosomal frameshifting N1-methylpseudouridine	esenter: Robecchi, Giovanni g induced by	184
Power, Luke Novel selenocysteine insertion site in SE	PHS2 mRNA	185
Radesic, Matea tRNA modifications as a contributing fact synthesis in a yeast cell-free system	tor to an improved protein	186
Rasmussen, Megan Unveiling the translational landscape of M	MEHMO syndrome	187
Rasmussen, Megan Pro Deciphering the molecular and cellular un syndrome and vanishing white matter dis		188
Rauscher, Robert rRNA sequence variability encoded in the ribosome properties with consequences		189
Rodríguez-Almonacid, Cristian Camilo Pro Stress-induced ribosome remodeling in L ribosome composition to snoRNA dynam	_eishmania parasites: from	190
Rosa Mercado, Nicolle mRNA dynamics during glucose starvation	on and recovery	191
Roscioni, Agnese Pre Exploring structural dynamics in elF4E in i4EG-BiP	esenter: Rexha, Jesmina hhibition by 4EGI-1 and	192
Roth, Joël Pro Global protein synthesis repression allew hypomodified tRNAs in Saccharomyces of		193

Pos	ters A-Z
Schaack, Lena In vitro and in silico characterization of the effect of the ADAM17 R215I mutation in neurons	194
Sen, Neelam Dabas Suppression of upstream ORF translation is not the primary mechanism for translational stimulation by yeast helicase Ded1	195
Seurig, Maximilian Sro9p – a regulator of translational reprogramming in quiescence?	196
Sfakianos, Aristeidis Presenter: Raven, Rebecca elF5A-dependent feedback inhibition from mRNA translation elongation to initiation limits tumour cell proliferation	197
Sheikh, Shaghayegh Mechanism of nascent chain folding of mitochondrial proteins at the ribosome tunnel exit	198
Shurer, Andrew Presenter: Niederer, Rachel Translation of the HPV protein E6 requires a distinct set of initiation factors	199
Singh, Jagreeti The dynamics of mRNA translation across cellular senescence models	200
Smirnova, Anna The elF3-elF5 contact promotes start codon selection in humans	201
Smirnova, Julia Ribosome dynamics and tRNA movement during elongation in chloroplast	202
Som, Saubhik In vivo significance of stop codon readthrough in MTCH2	203

204

Eliminating site-specific yeast ribosomal protein methylation alters polysome profiles and heightens resistance to transition metals

Spiteri, Andrew

Stanley, Juliana Leaderless mRNAs in bacteria are well-translated and regulated by distal elements	205
Steller, Loes Uncovering translation regulation during C. elegans development using cell-type specific ribosome profiling	206
Stoneley, Mark The ribotoxic stress response controls keratinocyte cell fate after UV irradiation through the ZFP36 family of RNA binding proteins	207
Stricker, Stefan Manipulation of global protein translation rates and stem cell self-renewal by CRISPR mediated activation of rRNA transcription	208
Subrtova, Adriana Regulation of translation initiation in T-cells during their activation	209
Szkop, Krzysztof J. Post-transcriptional network modeling (postNet) for identification and integration of mRNA regulatory features underlying post-transcriptional regulation of gene expression	210
Tamas, Markus How cells regulate protein biosynthesis during arsenic stress	211
Tardivat, Yann Evidence for active uorf translation in the 5'utr of sars-cov-2 genomic rna	212
Tidu, Antonin Presenter: Martin, Franck Eukaryotic AUG initiation contexts consist of a broad range of nucleotide patterns	213
Tidu, Antonin A genetic screen to characterize the genetic network linked to codon-specific translation defects in yeast	214

Tikhonova, Elena Translational repression and specification of SRP interaction with natribosome		215
Vazquez Gonzalez, Amanda The end to a new beginning - linkin HflX-facilitated ribosome recycling.		216
Veeremaa, Analiis The viral IRES-mediated translatior eukaryote-specific intersubunit brid	0 ,	217
von Loeffelholz, Ottilie Translation initiation by the Kozak conformational readout on the ribo		218
Vopalensky, Vaclav Yeast linear plasmid transcripts mid cap-independent mechanism	mic viral mRNAs: evidence for a	219
Wang, Siyu Non-native interactions define co-to HemK N-terminal domain	ranslational folding pathway of	220
Wardman, Rhys Collagen I interacts with RNA upon between ER stress and stress gran		221
Watt, Kathleen Epigenetic alterations facilitate transprograms in hypoxia	nscriptional and translational	222
Wawszczyk, Agata ABC-F proteins are translation fact ribosomal stalling from early elong		223
Weiss, Benjamin Ribosome haploinsufficiency rathe the cause of Diamond-Blackfan and		224

EMBL Conference: Protein synthesis and translational control

Yadav, Nidhi	
Altered proteostasis in Mtb-infected primary macrophage	225
Youle, Alice	
Uncovering novel regulatory features within the CFTR 5'UTR	226
Zadalimomen, Ramin	
Ribosomal protein Rps29/uS14 contributes to 18S rRNA maturation and its abundance regulates osmotic stress response in S. cerevisiae	227
Ziegelmüller, Jana Presenter: Kouvelas, Nikolaos	
Efficient cell-free translation from diverse human cell types	228
Zilio, Eleonora	
Uncovering the role of the RNA-binding protein CLUH in the translational regulation of mitochondrial proteins	229