Adakkattil, Ramesh A protein-DNA surface hydrogel mechanically reinforces the cell nucleus and protects the genome	45
Alsulami, Khayria  Beyond Bub1's role in mitosis: phosphorylation of H2AT120 in G2	46
Amiad Pavlov, Daria  Dynamic cytoskeletal-nuclear strain transfer in beating cardiomyocytes; implications for laminopathy associated nuclear fragility	47
Amilina, Huda Characterization of the nuclear pore complex in Entamoeba histolytica	48
Armesto, Marina Nuclear mechanics under stress: integrating chromatin modifiers and DNA damage signaling	49
Arroyo, Aurora  Role of DNA replication in genome structure and nuclear function	50
Asano, Yukako Nuclear polarization to the immune synapse facilitates an early transcriptional burst in cytotoxic T lymphocytes	51
Basu, Vishal  Exportin-1-nucleoporin axis regulates nuclear pore complex homeostasis in cancer cells	52
Binder, Leonie  Developing nuclear targeting strategies for efficient delivery and establishment of episomal S/MAR vectors	53
Binner, Mirjam  Nucleomechanical regulation of cellular identity and phenotype in head and neck cancer	54
Biswas, Abin Osmotically active solute macromolecules determine nuclear size and density	55

Boocholez, Alon Investigating gene expression re-establishment post-mitosis and the role of nuclear body assembly in regulating mRNA transcription and export	56
Bosch Calvet, Mireia From lamin A/C to toroidal nuclei: Nuclear stiffness as a driver of chromosomal instability	57
Brändle, Franziska Presenter: Jagannathan, Madhav Nuclear mechanostability emerges from satellite DNA condensation into chromocenters	58
Canat, Antoine Mechanical plasticity of the nuclear envelope drives zygotic genome activation in the mouse embryo	59
Coutts, Catherine In search of new regulators of SMAD signalling	60
Das, Sudipta  Membrane biogenesis and nuclear division checkpoint: are they interconnected?	61
De Donato Pérez, Maria Helena  Balancing genomic tension: how do cohesin and RNA polymerase II coordinate topoisomerase activity and chromatin architecture	62
Demura-Devore, Joh Nuclear movement and mitosis during plant development	63
Dias, Ana Catarina Uncover the role of histone deacetylation in mitosis	64
Ebrahim Kutty, Mirsana Nuclear mechanics regulate epidermal stem cell fate on engineered topographies	65
Eid, Mireille GC content drives spatial genome architecture and regulates splicing modes	66

Ezgin, Sena  Division-dependent regulation of cell fate & positioning in epidermis by aPKC	67
Fulmer, Diana H3K9me2 modified chromatin is rearranged in a cell-type specific manner during mouse embryonic development	68
Gaur, Aakash Nuclear localized m6A reader protein YTHDF3 regulates cardiomyocyte death and atrophy by modulating the alternative splicing program	69
Gerasimaite, Ruta Engineering unspecific DNA methyltransferase for recording functional information in DNA	70
Gerasimaite, Ruta Presenter: Lukinavicius, Gražvydas Optifoot: a method for recording protein binding sites on DNA for microscopy and sequence analysis	s 71
Gerlitz, Gabi Bridging perinuclear actin to the nucleus: new insights into cytoskeletal-nuclear integration	72
Gibieža, Paulius Impairing Rab11a transport during cytokinesis disrupts cell division and gives rise to abnormal nuclear morphology	73
Goychuk, Andriy Feedback of RNA synthesis on nucleolar organization	74
Gunkel, Philip An insight into the complexity of the nuclear basket	75
Hameed, Hadiya Abdul Effect of structural organization of the lamina on nuclear morphology and mechanics	76
Hantsche-Grininger, Merle Visualizing molecular chromatin organization in human cells by combined single-molecule protein and DNA imaging	77

Hawkins, Olivia Investigating the composition of th throughout the cell cycle	e nuclear membrane	78
Hernández Armendáriz, Alberto Emergence of the developmental to the organisation of its biomolecula		79
Huttunen, Moona Parvovirus infection alters nucleola nucleolar function and capsid nucle		80
Jiménez Beltrán, Miguel Angel The role of xbp1s in the regulation early stages of human endometrial		81
Joo, Jungsik Epigenomic reprogramming of 3D of ER stress	chromatin architecture during	82
Katoh, Manami p53-mediated nuclear stress respo and metabolic dysfunction	nse orchestrates senescence	83
Kim, Kunhyung	Presenter: Kim, Myungjin; Kim,	
The role of RNF in neuronal DNA da	Kunhyung amage	84
Kocanova, Silvia Physiological mechanical forces dr chromatin reorganization in the col		85
Kovacs, Marton Mechanism(s) and Function(s) of T	REX1 nuclear translocation	86
Kuo, Xuan Senescence-associated spatial-tem nuclear lamina interactions in singl		87
LaRue-Nolan, Kayla	er nuclear envelone integrity	88

Lee, Eun-Chong 3D enhancer architecture coordinated by CTCF determines immune-related gene expression patterns via RNA polymerase II pause-release in CD4+ T cells	89
Lesche, Franziska Chromatin-coated microspheres as a tool for investigating dynamic chromosome surface interactions	90
Lin, Chia-Yang The AcMNPV DNA helicase P143 arrests host S phase and impairs DNA synthesis	91
Lin, Junyan RanBP2-dependent annulate lamellae drive nuclear pore assembly and nuclear expansion	92
Mandal, Pranay BAF arrests nick expansion to preserve genome integrity	93
Marujo do Nascimento Vidigueira, Joa Uncovering the role of chromatin material properties in zygotic genome activation	94
Maslennikova, Daria The AAA+ ATPase Torsin sustains CLCC1 function to promote NPC biogenesis	95
Mastrangelo, Anna Regulation and oncogenic functions of nuclear AurkA: the role of TPX2	96
McFadden, William  Design and biochemical investigation of cyclized peptides from a phenylalanine-glycine (FG)–containing nucleoporin that interacts with the HIV-1 capsid	97
Medina-Suárez, Sara Presenter: Machín, Félix The interplay between the nuclear envelope protein Msc1 and the ESCRT-III complex in the DNA damage response and beyond	98

Mella, Jessica Interrogating the function of the nucl mutational scanning in human iPSCs		99
Michelbach, Anja The role of nucleo-cytoplasmic actin of mammalian development	transport in the regulation	100
Morais Armas, Samantha Exploring toroidal nuclei: preliminary morphology and associated cellular		101
Moriizumi, Hisashi Identifying molecular mechanisms th scaling	at control nuclear size	102
Nagle, Irène Large nuclear volume increase and n with chromatin remodeling and cellu		103
Okuda, Ellen A role for immiscible RNA binding pr remodeling in the organization of nuc stress response coordination		aela 105
Orr, Jessica The nucleus follows an internal cellu root hair cell development	lar scale during polarized	106
Oshaghi, Saleh  Coordinated temporal dynamics of the genome in response to nuclear mech		107
	Presenter: O'Sullivan, Michael;	
Identifying annulate lamellae specific mechanism behind nuclear pore com		104
Paul, Ajoy  Multicomponent phase separation of and its family in the nuclear environm		108

Pedro, Catarina Regulating transcription during mitosis in human ster	n cells	109
Phadnis, Vaishnavi  Mechanisms and functions of neutrophil nuclear mor	phology	110
Phillips, Hannah Investigating roles of nucleocytoplasmic transport in regulation	cell cycle	111
Rappold, Sabrina The role of VPS72 in nuclear reassembly		112
Rodríguez-Herrera, Noelia Closed mitosis with an excess of nuclear envelope		113
Sachweh, Jenny Presenter: Hampo Regulation of nuclear pore complex (a)symmetry	elz, Bernhard	114
Sainova, Iskra  Development of methods about appropriate in vitro-incubation of stem cells, predisposing to totipotency and pluripotency, and to further formation of embryoid and organoid structures		115
Sanches, Leonardo Presenter: Miyaka Chromatin compartment remodeling shapes extracell gene regulation in Hutchinson-Gilford Progeria Syndo	ular matrix	116
Sarah, Sadik Understanding the dynamic and mechanical interplay the nuclear envelope and chromatin	between	117
Sarkar, Roubnab MIp60A bridges nuclear transcription and cellular signalling pathways to govern somatic cell function for reproductive success in Drosophila melanogaster		118
Schichler, Daja  Presenter: Cuylen  More than a proliferation marker? The role of Ki-67 in  architecture		119

Schindler, Joseph Transcriptional responses to nitric oxide are widescale and source-dependent	120
Sen, Pialy  Lamin A depletion and rosiglitazone influence chromatin organization and PPARy DNA binding in murine adult fibroblasts	121
Serrano Martín, María Dolores Exploring the role of Mog1, a Ran binding protein, in budding yeast mitosis	122
Shahid-Fuente, Isabel Understanding the mechanism of Myosin VI Nuclear Recruitment	123
Shrikondawar, Akshaykumar Arginine-rich motif inside nucleolar localization signal of nucleomethylin is crucial for its phase separation within the nucleolus	124
Song, Min-Ji Role of histone modification in chromatin-mediated transcriptional repression in protozoan parasite Trichomonas vaginalis	125
Spicer, Maximilian F. D.  Histone deacetylation drives apoptotic chromatin compaction to limit shedding of DNA from the dying cell	126
Sukhbaatar, Nyamdelger Nuclear-localized glycolysis generates metabolites that regulate chromatin modification in liver homeostasis and regeneration	127
Truszkowski, Lukasz Presenter: Wyart, Elisabeth RBM20 phase separation builds cardiac splicing factories	128
Ulferts, Svenja SUN2 mediates calcium-triggered nuclear actin polymerization to cluster active RNA polymerase II	129

Vinzens, Sabrina Cell cycle timing and local coordination of mitoses in scaling of epithelial growth and morphogenesis	130
Vismara, Mauro A strategy for unveiling the structural and functional partners of EPAC1 nuclear condensates	131
Volchinsky, Vladislav  De-novo acquisition of drug resistance in cancer cells by stochastic induction of epigenetic changes	132
Wang, Hong Regulation of YAP activity by nuclear G-actin binding	133
Wenzel, Annika Expansion microscopy for the visualization of nuclear structures in primary cells	134
Whelan, Matthew HIV-1 signalling remodels nuclear pores to licence infection	135
Xu, Xufeng Amino acids bind to phase-separating proteins and modulate biomolecular condensate stability and dynamics	136