

Posters A-Z

Ade, Catherine M. Strategies for retargeting of Alu insertions by engineered ORF2 fusion proteins	54
Amador-Cubero, Suyapa Proliferating Cell Nuclear Antigen (PCNA) regulates LINE-1 retrotransposition	55
Ariumi, Yasuo DNA repair protein Rad18 restricts HIV-1 and LINE-1 mobility	56
Banlaki, Zsofia Relationship between oxytocin receptor promoter methylation, behaviour and environmental factors in pet dogs	57
Barau, Joan Identification of new male-germline transposon repressors by random mutagenesis in the mouse	58
Bebel, Aleksandra TnPZ of <i>Helicobacter pylori</i>: a novel conjugative transposon employing an Xer recombinase	59
Bélicard, Tony Influence of environmental conditions on transposable element regulation by piRNAs	60
Bhattacharya, Sudha SINE retrotransposition in <i>Entamoeba histolytica</i> is accompanied by recombination	61
Bischerour, Julien Domesticated piggyBac transposases in <i>Paramecium</i>: one for all and all for one	62
Bleykasten-Grosshans, Claudine Genetic basis of retrotransposon activity in yeast	63
Blundell-Hunter, George The linked Tn5 transposase dimer	64

Bodak, Maxime	Presenters: Bodak, Maxime; Cirera-Salinas, Daniel; Ciaudo, Constance	
Dicer restricts LINE-1 retrotransposition during mouse early development		65
Bodea, Gabriela-Oana		
LINE-1 mobilisation in the cortex of schizophrenia patients		66
Brattås, Per Ludvik		
The epigenetic co-repressor TRIM28 regulates transposable elements in human neural precursor cells		67
Bregnard, Christelle	Presenter: Guerra, Jessica	
Molecular Basis of Pro-Inflammatory Response in SLX4-deficiency		68
Cajuso, Tatiana		
Computational analysis of somatic L1 insertions in 208 colorectal cancers utilising whole genome sequencing		69
Cano-Martínez, Juan David		
Epigenetic impact of <i>de novo</i> LINE-1 insertions in pluripotent human cells		70
Carnevali, Davide		
Profiling SINE expression by computational screening of RNA-Seq data		71
Carreira, Patricia E.		
Atypical L1 mobilisation in GBM tumour samples		72
Cha, Hee-Jae		
Expression profiles of HERV-R and HERV-K Env protein in normal and cancerous tissues		73
Chambeyron, Séverine	Presenter: Pélisson, Alain	
Impact on proviral copy number of Piwi depletion in the somatic cells of the <i>Drosophila</i> ovary		74
Choudhury, Rimjhim Roy		
Comparative LTR-RT dynamics and niche study in <i>Brassicaceae</i>		75

Christian, Claiborne	Presenter: Belancio, Victoria	
Development of a Bipartite Alu Retrotransposition (BAR) assay for identification of sequences required for retrotransposition		76
Ciubotaru, Mihai.		
Mechanisms that target V(D)J recombination <i>in cis</i> by transcription induced DNA supercoiling		77
Cristofari, Gael		
Revealing the uniqueness of repeated DNA: human-specific L1 retrotransposon expression at individual locus resolution		78
Cristofari, Gael	Presenter: Doucet, Aurelien	
Preferential retrotransposition <i>in cis</i> requires limiting L1 levels		79
Damert, Annette		
Different determinants of mobilisation for two families of VNTR-containing retrotransposons: SVA and LAVA		80
Davies, Nicholas G.		
The tragedy of the transposons		81
de Albuquerque, Bruno	Presenter: Placentino, Maria	
Maternal piRNAs are essential for germline development following <i>de-novo</i> establishment of endo-siRNAs in <i>Caenorhabditis elegans</i>		82
Deniz, Ozgen		
Epigenetic regulation of ERVs during embryonic development		83
Dennin, Reinhard H.		
Episomal DNA in human Cells – a Link with Mobile Genetic Elements? Hepatitis C Virus 5'- NCR sequence sections in the extra-chromosomal DNA of PBMC of HCV negative human individuals		84
Dias, Elaine	Presenter: Carareto, Claudia	
Evolutionary dynamics of LTR-Retrotransposons in the allotetraploid <i>Coffea arabica</i>		85
Drews, Ruben M.		
A stratified analysis of human retroelements in over 500 Cancer samples using WGS data		86

Enriquez Gasca, Rocio Genomic analyses of repetitive elements in the context of early mouse development	87
Eulgem, Thomas A novel transposon-associated mechanism of NB-LRR immune receptor expression control in <i>Arabidopsis thaliana</i>	88
Ewing, Adam D. TEBreak: Generalised insertion detection	89
Fablet, Marie Transposable element variability and the piRNA pathway in <i>Drosophila</i>	90
Fagg, Allister C. Impact of L1 Modulation in High-Grade Serous Ovarian Cancer	91
Fernandez Fernandez, Maria Dolores Molecular requirements for Alu RNP formation and retrotransposition	92
Fernandez-Medina, Rita Daniela D. Transposition burst of mariner-like elements in the sequenced genome of <i>Rhodnius prolixus</i>	93
Fischer, Matthias Eukaryotic genome integration and reactivation of the Maverick-related mavirus	94
Fumagalli, Maria Rita Genomic distribution of transposable elements as a result of random placement and neutral evolution of the host genome	95
Gadekar, Veerendra Bioinformatic exploration of transposable elements embedded in antisense long non-coding RNAs	96
Gainetdinov, Ildar piRNA machinery in testicular germ cell tumours: clinical implications revealed by studying normal/tumour matched pairs	97

Gallus, Susanne		
Dynamics of autonomous non-LTR retrotransposons in Australian marsupials		98
Goering, Wolfgang		
Human endogenous retrovirus HERV-K(HML-2) activity in prostate cancer is dominated by a small number of loci		99
Heras, Sara R.		
Let7 microRNA controls mammalian LINE-1 retrotransposition		100
Hron, Tomas		
Discovery of endogenous lentivirus in Malayan colugo: new insight into lentivirus evolution		101
Iouranova, Alexandra		
Transcripts of endogenous retroelements as markers of early human embryonic development stages		102
Jachowicz, Joanna		
Mechanisms underlying heterochromatin formation in the mouse embryo		103
Kapusta, Aurélie		
Transposable element annotation and expression analysis using Taxonomer, an ultrafast and accurate sequence classification tool		104
Khazina, Elena		
Molecular characterisation of the ORF1 protein from the human LINE-1 retrotransposon		105
Kofler, Robert		
Dynamics of a natural P-element invasion in experimentally evolving populations of <i>D. simulans</i>		106
Komkov, Alexander	Presenter: Komkov, Alexander; Minervina, Anastasia	
A new normalization-based method for identification and quantification of somatic Alu retroelement insertions		107
Kubát, Zdenek		
Maternal genome-specific proliferation of TEs in plants		108

Kunzelmann, Stefan RNAi-mediated silencing of transposable elements in <i>Drosophila melanogaster</i>	109
Kvikstad, Erika M. Towards quantifying the disease impact of transposable element (TE) insertions in humans	110
Lange, Ulrike C. CRISPR/Cas9-mediated HIV proviral targeting - a new tool to unravel mechanisms of HIV latency	111
Lee, Hee-Eun Polymorphism analysis and enhancer activity of Tyrosine Hydroxylase (TH) VNTR in Korean dogs with phenotypes	112
Lee, Hee-Eun Activity analysis of an LTR12C as an effective regulatory element in RAE1 gene	113
Levanon, Erez Y. DNA and RNA editing of vertebrate retrotransposons	114
Lexa, Matej Quadruplex-forming sequences within transposable elements	115
Presenter: Kejnovsky, Eduard	
Liu, Mofang Male Infertility Caused by Ubiquitination-deficient Mutations in Human Piwi (Hiwi)	116
Lukassen, Sören SPOC1 (PHF13) represses evolutionary recent L1 LINE elements in the mouse germ line	117
Ma, Jinbiao Structural and functional study of Meiosis Arrest Female 1 (MARF1)	118
Mamedov, Ilgar Z. Investigation of somatic AluYa5 insertion frequency in human brain tissues	119

Marsano, René M.		
The role of the internal promoter in Horizontal Transposon Transfer events		120
Mason, Andrew S.		
A New Look at the LTR retrotransposon content of the chicken genome		121
Menouni, Rachid	Presenter: Menouni, Rachid; Bridier-Nahmias, Antoine	
Regulation of the yeast Ty1 LTR-retrotransposon integration site choice		122
Mirouze, Marie		
Epigenetic control of plant mobilomes		123
Morell, Santiago		
LINE-1 activity in Rett syndrome		124
Mülders, Henrik		
Whereto, Wherefrom, Where Gone? Bacterial Mobile DNA Element IS150		125
Mun, Seyoung		
A step for the completion of Korean reference genome and identification of Transposable elements-Associated Structure Variation (TASVs)		126
Murányi, Gábor		
Genetic dissection of integrative mobilizable element <i>Salmonella</i> Genomic Island 1		127
Musat, Mihaela Georgiana		
<i>In vitro</i> molecular experimental model directing V(D)J recombination in <i>trans</i>		128
Nagy, Eniko Eva		
Testing Sleeping Beauty transposon as potential tool for mapping spatial chromatin organisation		129
Narayanavari, Suneel		
Effect of host factors on Sleeping Beauty transposition		130

Narvaiza, Iñigo	
The role of mobile elements in primate evolution and diversity	131
Nilsson, Maria	
Out of the gene tree forest - Understanding the evolution of bears using genome-wide patterns of retrotransposition events	132
Ohshima, Kazuhiko	
<i>De novo</i> emergence of a core promoter caused transcriptional activation of a chimeric retro-transposed gene	133
Okray, Zeynep	
Understanding the Basis of Phenotypic Variation in Fragile X Syndrome	134
Orban, Tamas	
Sleeping Beauty and piggyBac transgenesis in human embryonic stem cells and in rat oocytes to establish homozygous rat strains	135
Orqueda, Andres	
Effects of histone deacetylases and DNA methyl transferases on the activity of LINE-1 retrotransposons during neural differentiation	136
Papamichos, Spyros I.	
Retrotransposon exaptation coupled with adaptive evolution significantly contributed to the generation of a human-protein-specific coding gene that promotes cancer cell proliferation and metastasis in various tumours: the case of MYEOV gene	137
Papamichos, Spyros I.	
An endogenous retrovirus exonization event significantly contributed to the generation of soluble RANKL mRNA: implications on the transcriptional profile of the transcript variant	138
Peterson, Thomas	
Transposon-Induced Genome Rearrangements in Maize: mechanisms and genetic impacts	139
Pontis, Julien	
Deciphering the roles of transposable elements in 3D genome architecture and gene expression	140

Pradhan, Barun	
Detection of LINE-1 retrotransposition in human genome by long-distance inverse PCR	141
Quadrona, Leandro	
Systematic analysis of the <i>Arabidopsis</i> mobilome in natural accessions uncovers a complex genetic architecture and hundreds of insertional mutations with functional consequences	142
Querques, Irma	
Molecular mechanisms and regulation of Tc1/mariner transposons	143
Raghunathan, Vaishnavi	
Functional characterisation of a primate specific DNA transposon, MER6	144
Ramsay, LeeAnn	
Expression of transposable elements as noncoding transcripts	145
Robbez-Masson, Luisa J.	
The determinants of KAP1-mediated repression of retrotransposons	146
Rohlf, Thimo	
Transposons and ageing - a simulation approach	147
Romero-Soriano, Valèria	
Transposable element deregulation in <i>Drosophila buzzatii</i> - <i>Drosophila koepferae</i> hybrids	148
Rosic, Silvana	
Evolutionary biology of transposon defence	149
Rubio Cosials, Anna	
Insights into a conjugative transposon integrase	150
Rusu, Andreea Maria	Presenters: Rusu, Andreea Maria; Jiglaru, Cristina
Adjacent transcription mediated effects on V(D)J recombination	151
Sánchez-Carnerero Callado, Valentin	
Line-1 retroelements in acute lymphoblastic leukemia MLL/AF4	152

Sanchez-Luque, Francisco Jose Somatic Alu mobilisation in the human brain	153
Schumann, Gerald G. Reprogramming triggers endogenous LINE-1, Alu and SVA retrotransposition in human induced pluripotent stem cells which affects host gene expression	154
Schumann, Gerald G. The gibbon-specific composite LAVA retrotransposon is hot and can mobilize by recruiting the LINE-1 protein machinery	155
Sciamanna, Ilaria A reverse transcriptase (RT)-based cancer-promoting mechanism: LINE-1-encoded RT as a cancer therapeutical target and an early diagnostic tool	156
Senti, Kirsten A. piRNA-guided slicing of transposon transcripts enforces their transcriptional silencing via specifying the nuclear piRNA repertoire	157
Singh, Manvendra Transcriptional networks driven by human endogenous retroviruses mark the naive cells in the midst of conventional human embryonic stem cells	158
Sistiaga, Maialen Expression and methylation analyses of ovine endogenous betaretroviruses (enJSRVs) in different sheep organs: Scrapie prion infection influences enJSRV expression in cervical spinal cord	159
Smyshlyaev, Georgy Convergent Evolution of Ribonuclease H in LTR Retrotransposons and Retroviruses	160
Solovyeva, Anna Polymorphisms and mobile elements in trematode <i>Himasthla elongata parthenitae</i>	161
Suh, Alexander Dense genomic sampling reveals horizontal transposon transfer is widespread but highly unequal among birds and mammals	162

Sung, Hung-wei		
The possible role of retrotransposition during Salamander limb regeneration		163
Tanzer, Andrea		
Genomic distribution of Alus and Their Impact on Gene Expression		164
Tehseen, Muhammad		
Molecular mechanisms of transposition and epigenetic regulation of the CACTA transposon Spm		165
Thomas, Jainy		
Transposable elements as vehicles of gene movement within and between species		166
Thung, Djie Tjwan	Presenter: Hehir-Kwa, Jayne	
Discovering mobile element and gene retrocopy insertions in human genomes		167
Tica, Jelena		
Development and application of a computational approach for next generation sequencing-based detection of polymorphic L1-mediated transductions		168
Turelli, Priscilla		
TEs and their sequence-specific regulators establish species-specific transcriptional networks that control gene expression in hESC differentiation		169
Umenhoffer, Kinga		
Rapid refactoring of bacterial genomes for increased stability and chassis performance		170
Vela, Doris		
The Gypsy retrotransposon in the genome of the neotropical group of <i>Drosophila mesophragmatica</i>		171
Vieira, Cristina		
Transposable elements (and genes) are under control in hybrids between <i>Drosophila</i> close species		172

Vilar Astasio, Raquel		
Analyzing the role of non coding RNAs (ncRNAs) generated from the antisense LINE-1 promoter in pluripotent cells		173
Voronova, Angelika		
Retrotransposon families show differential expression level changes in response to two fungal pathogens in complex conifer genome		174
Wei, Fu-Jin		
The legacy of DNA transposable element in rice		175
Wicker, Thomas	Presenter: Roffler, Stefan; Wicker, Thomas	
DNA transposons accelerate evolution of genes and regulatory sequences in grasses		176
Winckler, Thomas		
Genome-wide analysis of tRNA gene targeting by the <i>Dictyostelium</i> non-long terminal repeat retrotransposon TRE5-A		177
Witthuhn, Anett		
Consequences of LINE1- mediated Retrotransposition on the Genomic Integrity of hiPSCs		178
Xu, Hang	Presenter: Tufarelli, Cristina	
TECDetec: Transposable element chimeric transcripts detector		179
Zaratiegui, Miguel		
Retrotransposition guided into arrested replication forks		180