

COMUNICACIONES ORALES APROBADAS

Número Final	Título	Día de presentación	Hora de exposición de la mesa
O01	Immunoresponses against exogenous transgenes limit the engraftment of in utero transplanted fetal liver stem cells transduced with lentiviral vectors	1 de octubre	11.30
O02	Generation of Inner Ear Sensory Cells from Bone Marrow-derived Mesenchymal Stem Cells	1 de octubre	11.30
O03	Mechanisms involved in the immunosuppressive properties of adipose tissue-derived mesenchymal stem cells	1 de octubre	11.30
O04	A census of LINE-1 and Alu elements expressed in human embryonic stem cells	1 de octubre	11.30
O05	Preliminary results of a Phase I-II clinical trial on the use of bone marrow mononuclear cells in the treatment of amyotrophic lateral sclerosis.	1 de octubre	11.30
O06	Substantia nigra dopaminergic neurons are protected by intraestriatal carotid body grafts in a chronic MPTP mouse model of Parkinson's disease	1 de octubre	11.30
O07	BDNF regulation under GFAP promoter provides engineered astrocytes as a new approach for long term protection in Huntington Disease	1 de octubre	11.30
O08	Lentiviral delivery of LMX1a enhances dopaminergic differentiation from human embryonic stem cells	1 de octubre	11.30
O09	Characterization of human glioblastoma-derived cancer stem cells and establishment of two rat models for therapeutic assays	1 de octubre	11.30
O10	Development of a graft-versus-chronic myeloid leukemia mouse model	1 de octubre	11.30
O11	Treatment of metastatic neuroblastoma with systemic oncolytic virotherapy delivered by autologous mesenchymal stem cells: an exploratory study	1 de octubre	11.30
O12	Human adipose tissue derived mesenchymal stem cells as vehicles for cell-based tumour therapy; a model based on non-invasive bioluminescence imaging	1 de octubre	11.30
O13	Novel tools to explore human Embryonic Stem cells function by targeting to Rosa26 locus	1 de octubre	15.00
O14	Clonal analysis demonstrates widespread transcriptional termination read-through in keratinocytes transduced with self-inactivating lentiviral vectors.	1 de octubre	15.00
O15	Treatment of chronic viral hepatitis in woodchucks by prolonged intrahepatic expression of interleukin-12	1 de octubre	15.00
O16	Cellular delivery of WW-fusion proteins using Adenoviral subparticles: from concept to application	1 de octubre	15.00
O17	IGF-I expression from aav vectors leads to total fibrosis reversion in cirrhotic rat livers	1 de octubre	15.00
O18	Adipose-derived mesenchymal stem cells ameliorate experimental autoimmune encephalomyelitis (EAE) in C57Bl/6 mice	1 de octubre	15.00
O19	Differentiation of Human Embryonic Stem Cells (hESC) to β -cell like cells: the role of UCP2 in insulin secretion.	1 de octubre	15.00
O20	In vivo gene transfer to the pancreas using adeno-associated viral vectors	1 de octubre	15.00
O21	Transplantation of Adipose derived-Stromal Vascular Fraction in a model of chronic myocardial infarction induces a long-term improvement of cardiac function and proves multilineage differentiation capacity	1 de octubre	15.00
O22	Development of Vascular Endothelial Growth Factor (VEGF)-loaded poly(lactide-co-glycolide) microparticles to stimulate angiogenesis in a rat model of myocardial infarction	1 de octubre	15.00
O23	Human adult stem cells derived from adipose tissue protects against sepsis	1 de octubre	15.00
O24	Cellular therapy of hemorrhagic cerebral ictus: experimental anatomical study.	1 de octubre	15.00
O25	Development of lentiviral vectors for gene therapy of X-linked hyper-IgM syndrome (X-HIGM1)	2 de octubre	11.00
O26	Ex vivo targeting of adenoviral particles to dendritic cells enhances their maturation and the induction of immune responses against hepatitis C virus	2 de octubre	11.00
O27	Measles virus gp pseudotyped LVs allow efficient transduction of quiescent healthy and cancer B-cells.	2 de octubre	11.00
O28	Gene therapy strategies for Crohn's Disease based on chimeric Ad5/40S vectors with intestinal tropism and genes involved in the Th17 pathway	2 de octubre	11.00
O29	Prospects for gene therapy of Friedreich's ataxia	2 de octubre	11.00
O30	Cell therapy for enterocutaneous fistula associated with crohn's disease. A clinical and biological comparison of protocols with and without cell expansion.	2 de octubre	11.00
O31	AAV-mediated sulfamidase expression in the liver prevents development of somatic alterations in MPS IIIA mice	2 de octubre	11.00
O32	Optimized lentiviral transductions allow high transductions efficiencies of murine fetal liver progenitors but induce immunoresponses against the transgene limiting in utero hematopoietic engraftment.	2 de octubre	11.00
O33	Lcn-2 over-expressing bone marrow-derived macrophages promote renal regeneration	2 de octubre	11.00
O34	Growth in low oxygen increases the genetic stability of human mesenchymal stem cells.	2 de octubre	11.00
O35	Adipose-derived stem cells reduce abdominal adhesions formation in a rat experimental model	2 de octubre	11.00
O36	Bcl-XL affects the cell cycle of human Neural Stem Cells	2 de octubre	11.00

POSTERS APROBADOS

Número Final

Título

- P001 Novel strategy on adenoviral infection of mesenchymal stem cells for in vitro and in vivo imaging and cancer treatment purposes
- P002 Deleterious effect of human umbilical cord blood mononuclear (HUCBM) cells in an experimental model of chronic liver damage
- P003 Presence of progenitor cells in extra-adrenal chromaffin tissue belonging to the sympathoadrenal lineage
- P004 Identification of a novel human hematopoietic stem cell population using SLAM family markers.
- P005 Establishment of a Therapeutic Window for Gliomas in Nude Rats
- P006 Melatonin prevents dopaminergic degeneration induced by lentiviral vector-mediated overexpression of alpha-synuclein
- P007 Bone marrow derived hepatic regeneration in the mouse model of erythropoietic protoporphyria is not due to fusion events
- P008 Effects of FUS-DDIT3 expression in wild-type and p53 depleted human mesenchymal stem cells
- P009 In vitro evaluation of new dendrimeric polymers designed for gene delivery
- P010 Direct injection of lentiviral vectors expressing vasoactive intestinal peptide (VIP) reduces disease severity in a progressive mice model of multiple sclerosis
- P011 WASP cDNA sequences modulates transgene expression of Was promoter-driven lentiviral vectors.
- P012 Automaintenance and regulation of miR-335 in human mesenchymal stem cells
- P013 Mouse bone marrow cells, and to a lesser degree mesenchymal stem cells, ameliorate the symptoms of a mouse model of amyotrophic lateral sclerosis
- P014 A lentiviral vector that activates latent HIV-1 proviruses by the overexpression of Tat and that kills the infected cells
- P015 Human biopsy-derived olfactory mucosa neural precursors for cell models and therapeutic applications
- P016 Systemic delivery of human proinsulin by AAV delays retinal degeneration in mouse models of retinitis pigmentosa
- P017 Histocompatible allogenic epidermal stem cell transplantation for permanent skin replacement in genodermatosis
- P018 E-cadherin enhances the antitumoural efficacy of the TK/GCV suicide system in pancreatic ductal adenocarcinoma models
- P019 Characterization of high-capacity adenovirus productions by quantitative real-time PCR. A comparative study of different titration methods.

- P020 Effect of AAV serotype and genome structure over liver transduction and biodistribution in mice of both genders
- P021 A new diabetic skin-humanized mouse model unravels the regenerative potential of fibroblasts in impaired healing process
- P022 Human Neural Stem Cells as models for Cell and Gene Therapy
- P023 Development and characterization of a bioengineered-based skin-humanized mouse model of psoriasis
- P024 A new quantification method for canine adenoviral vectors by real-time PCR
- P025 Enrichment of the VASA positive population produced by spontaneous in vitro germ line differentiation from hESC by co-localization with CD117 and CD15 membrane cell markers
- P026 Reversible Immortalization of Human Ensheathing Glia: Repression of Senescence Pathways is Necessary for Survival after Deimmortalization
- P027 Characterization of Antitumoral Immune Responses Mediated by a Semliki Forest Virus Vector Expressing IL-12 in liver tumors
- P028 Development of a skin-humanized model as a novel tool to investigate the pathogenesis of scleroderma
- P029 Inhibition of HBV and HCV using long-hairpin RNAs
- P030 In vivo positive selection of TK-transduced cells increases the efficacy of pancreatic cancer suicide gene therapy
- P031 Intra-bone marrow transplantation of human CD34+ cells into NOD/LtSz-scid IL2r-gamma-null mice permits multilineage engraftment without previous irradiation
- P032 Etoposide Induces MLL Rearrangements and Other Chromosomal
- P033 Feeder-free maintenance of hESCs in mesenchymal stem cell-conditioned media: distinct requirements for TGF- β and IGF-II
- P034 pRB pathway-targeted oncolytic adenoviruses armed with TK show potent antitumoural effects in a preclinical model of pancreatic cancer and can be traced by PET imaging
- P035 Repression of genes involved in cell proliferation by Template Polypurine Hairpins
- P036 Novel approaches to unveil gene therapy genotoxicity "in vitro"
- P037 Heat-activated, rapamycin-dependent gene switches for tight control of transgene expression.
- P038 Optimization of TK/GCV suicide gene therapy for pancreatic cancer in TgEla1-myc mice
- P039 Autologous serum eye drops for severe dry eyes

- P040 Adenovirus-mediated restoration of normal HLA class I expression on human tumor cells: implications for cancer immunotherapy
- P041 Characterization of human umbilical cord matrix stem cells under improved culture conditions
- P042 Identification of New Mutations to Overcome Tumor Stromal Barriers in Oncolytic Therapy with Adenovirus
- P043 Utility of the Smart system in order to evaluate the functional deficits subsequent to brain injury and their improvements after cellular therapy.
- P044 Functional characteristics of different subpopulations of circulating endothelial progenitor cells
- P045 Mesenchymal stem cells and cancer: role of cell cycle regulators
- P046 Combined transplantation of adipose-derived stem cells and olfactory ensheathing cells on a biodegradable scaffold for the repair of spinal cord injury
- P047 Evaluation of AAV-Mediated IFN α -Fene Therapy Efficacy in HBV Transgenic Mice: Constitutive Versus Inducible Expression
- P048 Role of Pitx2 in myogenesis and skeletal muscle regeneration
- P049 Comparison of the antitumoral efficiency of single-chain and double-chain IL-12 expressed from a semliki forest virus vector
- P050 Neural recovery in a mouse model of cerebellar ataxia using bone marrow mesenchymal stem cells
- P051 Long bone defects regeneration by mesenchymal stem cells seeded in a scaffold based in plasma globular proteins.
- P052 Immunomodulatory properties of human peripheral blood-derived mesenchymal stem cells
- P053 Let 7 miRNA mediates renal differentiation process in mouse embryonic stem cells
- P054 Osteosarcoma cells as carriers to allow antitumor activity of canine oncolytic adenovirus in the presence of neutralizing antibodies
- P055 Role of stromelysin-2 on satellite cell behaviour
- P056 Adverse effect of G-CSF in renal ischemia/reperfusion injury. Partial reversion with HGF gene therapy.
- P057 Characterization of new molecular markers in human adipose stem cells (hAMSC).
- P058 Chemokine receptors phenotype of human peripheral blood-derived mesenchymal stem cells
- P059 Characterization of human oligodendrocyte progenitor cells through different passages
- P060 Bone marrow mesenchymal stem cells attract oligodendrocyte precursors and induce myelin production in a toxic model of leukodystrophy
- P061 Self-assembling of arginine- and histidine-rich polypeptides suitable for gene delivery

- P062 A novel bacterial nanomaterial for surface decoration and cell growth stimulation in tissue engineering
- P063 A Semliki Forest virus-based vector expressing interleukin-12 induces antitumoral and antiviral responses in woodchucks with chronic viral hepatitis and hepatocellular carcinoma (HCC)
- P064 Differentiation of embryonic stem cells into cardiomyocytes by a non-toxic demethylating agent (Zebularine).
- P065 Cancer genes hypermethylated in human embryonic stem cells.
- P066 Design of multifunctional, modular proteins as non viral vehicles for gene therapy.
- P067 An inducible lentiviral vector system based on the endothelial cell-specific E-selectin promoter
- P068 Effects of aging in extra-adrenal paraganglia, and in extra-adrenal chromaffin cell transplants in parkinsonian rats
- P069 Towards personalized gene targeting-based therapeutics for Recessive Dystrophic Epidermolysis Bullosa patients of Spanish origin.
- P070 Characterization of human bone marrow mesenchymal stem cells used for cellular therapy in pressure sores: first steps.
- P071 Betacellulin promotes cell proliferation in the neural stem cell niche
- P072 In vitro and in vivo characterization of human neural stem cells transfected with homologous recombination vectors coding for LacZ and tyrosine hydroxylase
- P073 Study of the TNF- α effects on MSC proliferation, differentiation and cytokine secretion
- P074 Genetic modification of human neural stem cells improves dopaminergic neuron generation and functional recovery in vivo
- P075 Protocols development for beta-cell mass expansion from adult mouse pancreatic islets of Langerhans
- P076 Use of surgical sutures enriched with adipose - derived stem cells for tracheal anastomosis in rats
- P077 Mobilization of mesenchymal stem cells into peripheral blood
- P078 Differential localization of Lgr5+ cells in human and mouse hair follicles
- P079 MSC can be used to restore hematopoietic function after stromal damage by chemoradiotherapy
- P080 Leukemia-specific fusion genes present in bone marrow-derived mesenchymal stem cells from infant patients.
- P081 Improving the isolation and in vitro expansion of human skin-derived precursor cells
- P082 Dissecting the role of galectin-1 in CD4+CD25+FOXP3+ regulatory T cells

- P083 Adenovirus Dodecahedra as a vector tool for tumour immunotherapy
- P084 Multiorganic FL-MSC engraftment and persistence after in utero cell transplantation in the fetal rabbit.
- P085 Muscle-satellite cell evolution in ALS model hSOD-1G93A Mice.
- P086 Interaction study between the JIP1 scaffold protein and the p73 α transcription factor
- P087 Proliferation Rate of Adipose Tissue Derived Mesenchymal Stem Cells (AdT-MSC's) in ALS model hSOD-1G93A Mice
- P088 Evaluating neutralizing antibodies against Adenovirus and AAV in luciferase reporter gene assays.
- P089 Bone marrow-derived progenitor cells are involved in peritoneal regeneration
- P090 Differentiation of hESCs into midbrain dopaminergic neurons: proper functional response to neurotransmitters
- P091 Role of Aralar (a Calcium-binding mitochondrial aspartate-glutamate carrier) in pluripotency and dopaminergic neuronal differentiation from embryonic stem cells.
- P092 Influence of the bone marrow microenvironment in childhood acute lymphoblastic leukemia cells. Role of the BMP-4 signalling pathway
- P093 BMP-4 regulate the expansion and survival of human adipose mesenchymal cells
- P094 Autologous bone marrow mononuclear cell therapy of critical ischaemia of the limbs in diabetic patients
- P095 Characterization of equine mesenchymal stem cells: differentiation capacity and immunophenotype
- P097 Carotid body GDNF expression is differentially regulated by chronic hypoxia and intraestriatal grafting along aging.
- P098 Non-classical Treg cells may be involved in the antitumor response by nonviral cell vaccines
- P099 Hydrocatheterism for safe and non invasive gene transfer in large animals
- P100 Ikaros-1 is involved in the neurogenesis of enkephalinergic neurons through the induction of cell cycle arrest of striatal precursors
- P101 Growth and phenotype of conditionally immortalized mouse hepatocytes for use in animal models of liver cell therapy
- P102 Introduction of the TYMP gene in thymidine phosphorylase deficient cell lines using lentiviral vectors restores enzyme activity: prospects for gene therapy of MNGIE (mitochondrial neurogastrointestinal encephalomyopathy)
- P103 Transgene expression levels are critical in the immunogenicity of transduced hematopoietic grafts in partially myeloablated mice.
- P104 Anaphylatoxins regulate cell homeostasis in cardiac resident stem cells

- P105 An optimized gradient purification method that results in enhanced AAV transduction in vivo
- P106 Preliminary analysis of human cardiac stem cell receptome
- P107 Strategies for adrenomyeloneuropathy gene therapy: combining antioxidant and neurotrophic factors
- P108 Ex vivo behaviour of human mesenchymal stem cells in the context of Clinical Applications
- P109 Multipotent Cardiac Resident Progenitor Cells. Basic and applied studies
- P110 Helios, a transcription factor involved in neurogenesis control during striatum development.
- P111 Phenotype and chondrogenic differentiation of human MSCs derived from bone marrow and articular or subcutaneous adipose tissue
- P112 Intrathecal administration of AAV vectors for gene therapy treatment of diabetic neuropathy
- P113 Efficient gene transfer to white adipose tissue using adeno-associated viral vectors
- P114 In vivo assessment of acute UVB responses in normal and Xeroderma Pigmentosum skin humanized mouse models
- P115 Vector production unit (UPV-CBATEG)
- P116 Immune response to plasmid DNA is triggered by TLR9, Zbp-1 and the inflammasome in skeletal muscle
- P117 Production of helper-dependent adenoviral vectors using a recombinase-free system
- P118 p53-armed adenoviruses for gene virotherapy in human pancreatic cancer
- P120 Regeneration of the lumbar intervertebral disk by means of MSV*
• Autologous Bone marrow stem cells expanded according to the GMP methodology
- P121 Nitric oxide repression of nanog promotes mouse embryonic stem cell differentiation
- P122 Production of monoclonal antibodies with specificity for human embryonic stem cells receptors
- P123 Transduction of liver non-parenchymal cells by hydrodynamic tail vein injection of plasmid DNA
- P124 Development of Tissue-Specific Lentiviral Vectors for the Gene Therapy of the Erythroid Pyruvate Kinase Deficiency
- P125 Bone marrow derived hepatic regeneration in the mouse model of erythropoietic protoporphyria is not due to fusion events
- P126 Identification and characterization of a bone marrow non-adherent osteoprogenitor cells in a 3D culture system.

- P127 Close relationship between human decidual stromal cells and mesenchymal stem cells.
- P128 AAV-Mediated PEDF Gene Transfer Counteracts Diabetic Retinopathy In IGF-I Transgenic Mice