



PERS. NR

MARCH 2019

UANDES Technology Portfolio



Universidad de
los Andes



DIRECCIÓN DE INNOVACIÓN
**OFICINA DE
TRANSFERENCIA
TECNOLÓGICA**

DECEMBER 2018

OUR TECHNOLOGY PORTFOLIO

DEVELOPMENT STAGE
 1- Preliminary results and proof of concept ●
 2- Prototype ●
 3- Exit / Market adoption ●

CELL THERAPY					
CODE	TECHNOLOGY	DESCRIPTION	LEAD RESEARCHER	DL	IP PROTECTION
UA-C0004	Menistem's Exosomes: Antitumor Effect	Evaluation of anticancer effect of menstrual stem cells (MenSCs) exosomes and its derivatives in different cancers.	Francisca Alcayaga	●	✓
UA-C0005	Menistem: SDRA	MenSCs/secretome use for the treatment of SDRA.	Jimena Cuenca	●	✓
UA-C0012	STEN Tech	A method for producing a multilayered composite of fibers and biopolymer layers, capable of encapsulate cells and factors for the replacement or patching of different tissues.	Juan Pablo Acevedo	●	✓
UA-C0013	Cellistem™: Gum Regeneration	Gum regeneration method using allogeneic stem cells.	Alejandra Chaparro	●	
UA-M0010	GelX: Life-Ink	A biomaterial with unique properties for 3D tissue printing.	Juan Pablo Acevedo	●	✓
UA-O0008	Cellistem ER	Biomaterial formulation for the encapsulation and release of allogeneic MSC and growth factors in the regeneration of vascularized dental pulp tissues.	Claudia Brizuela	●	✓
UA-O0021	GelX: Bone Tissue Engineering	New periodontal bone defects regeneration method using allogeneic MSC and GelX scaffold.	Alejandra Chaparro	●	
UA-R0001	Lupus Erythematosus	A therapy based on a specific UC-MSC subgroup for the treatment of lupus erythematosus.	Fernando Figueroa	●	
UA-R0004	Wound Healing	A technology that comprises Men-SC in a Scaffold for improving the regeneration of skin ulcers	Jimena Cuenca	●	

MEDICAL DEVICE

CODE	TECHNOLOGY	DESCRIPTION	LEAD RESEARCHER	DL	IP PROTECTION
UA-C0011	Stellium	A migration device that allows to evaluate stem cells potency by the quantification of uniaxial cell migration response.	Juan Pablo Acevedo	●	✓
UA-M0029	Oral fluids biomarkers for Rheumatoid Arthritis monitoring	Oral fluids test as a biomarker of activity and therapeutic response in Rheumatoid Arthritis.	Francisco Espinoza	●	
UA-M0035	Bipolar disorder biomarkers	Protein biomarkers in peripheral blood for the diagnosis of bipolar disorder	Úrsula Wyneken	●	
UA-M0036	Prenatal Biomarkers for Neuro-developmental Changes	Biomarkers for early detection of prenatal stress-induced neurodevelopmental changes.	Federico Batiz	●	
UA-O0006	PregnosticA: Preeclampsia	Use of oral fluids to predict the development of preeclampsia in early pregnancy.	Alejandra Chaparro	●	✓
UA-O0020	PregnosticA: Gestational Diabetes Mellitus	Use of oral fluids to predict the development of gestational diabetes in early pregnancy.	Alejandra Chaparro	●	✓
UA-O0046	PregnosticA: Premature Birth	Use of oral fluids to predict the a premature birth in early pregnancy.	Alejandra Chaparro	●	✓
UA-O0047	Peri-Implantitis Biomarkers	Use of oral fluids to diagnose peri-implantitis.	Alejandra Chaparro	●	

DENTAL DEVICE

CODE	TECHNOLOGY	DESCRIPTION	LEAD RESEARCHER	DL	IP PROTECTION
UA-O0004	X'PLANT 3Ss Dental	A combinatorial device for the safe and sound retrieval of osseointegrated dental implants from the jawbone (Combi-Head, Combi-Tip and Combi-Adapt).	Ziyad S. Haidar	●	
UA-O0013	SockGEL	A natural polymer-based, stimuli-responsive and injectable hydrogel formulation for use in dental extraction socket preservation.	Ziyad S. Haidar	●	
UA-O0022	OroAid	A Bio-Adhesive Multi-Compartmental Thin-Film Membrane	Ziyad S. Haidar	●	
UA-O0030	nanoCu: BioFLOSS	A novel nano-enforced bioactive dental floss.	Ziyad S. Haidar	●	✓
UA-O0036	Pulp pathology diagnosis	Determination of non-invasive molecular biomarker for the early diagnosis of pulp pathology	Claudia Brizuela	●	
UA-O0038	Oral fluids biomarkers for Chronic Periodontitis	Use of oral fluids microvesicles as biomarkers of chronic periodontitis progression.	Alejandra Chaparro	●	

PRODUCT

UA-E0003	Leer+	Platform to exercise reading skills based on reading lexiles: increases reading comprehension and vocabulary.	Pelusa Orellana	●	
UA-I0009	Laser communications	Using laser technology as a secure communications system.	Jaime Anguita	●	
UA-I0010	Bio indoor air purifier	Biological technology for removing indoor air pollutants.	Alberto Vergara	●	✓
UA-I0034	Enzymes for Biofuel and/or Food Industries	Characterization of psychophile enzymatic activity for industrial uses.	Felipe Scott	●	

PRODUCT

CODE	TECHNOLOGY	DESCRIPTION	LEAD RESEARCHER	DL	IP PROTECTION
UA-I0038	DetPax	Passanger density detection system in metro through image analysis	Sebastian Seriani	●	
UA-I0039	High efficiency DSSC semiconductor	Development of a semiconductor of minimum losses for the increase of efficient in photovoltaic solar cells sensitized with organic pigments	Sichem Guerrero	●	
UA-M0011	GelX: Biocomposite	Use of GelX matrix to improve the regeneration of skin ulcers.	Javier Enrione	●	✓
UA-M0012	Bioactive Peptides from Quinoa	Obtaining functional activity peptides from quinoa proteins.	Javier Enrione	●	
UA-M0016	GelX: Gel-Coat	Development of edible coating for salmon fillets.	Javier Enrione	●	✓
UA-M0027	GelX	Biomaterial obtained from waste from the aquaculture industry	Javier Enrione	●	✓
UA-M0028	Starch-cellulose composites	New starch-cellulose biocomposite with low digestibility level and post-consumption glycemic index.	Paulo Díaz	●	
UA-M0033	Quinoa Flour	Process for obtaining quinoa functional flour.	Javier Enrione	●	
UA-M0037	Phytodrug for depression	Molecules from Canelo for the treatment of depression and chronic stress	Úrsula Wyneken	●	
UA-O0005	SG radioProtect	Directly Injectable nanocapsules for the Bi-phasic release of growth factors in the radioprotection of salivary glands of Head and Neck cancer patients.	Ziyad S. Haidar	●	
UA-O0012	DFK	New method of forensic dentistry for obtaining genetic profiles, estimating data and cause of death without damaging the tooth.	Patricio Carrasco	●	✓

SERVICES

CODE	TECHNOLOGY	DESCRIPTION	LEAD RESEARCHER	DL	IP PROTECTION
UA-E0002	Dia+: Diamat for children from kinder to 4th grade	Technology platform for evaluation and assessment of math skills in children.	Kattia Muñoz	●	✓
UA-E0008	Dia+: Dialect Ages 10 to 18	Technology platform for the diagnosis and assessment of reading skills in children from 4th to 12th grade.	Pelusa Orellana	●	✓
UA-E0009	Dia+: Diamat for children from kinder to 5th to 8th grade	Technology platform for evaluation and assessment of math skills in children.	Kattia Muñoz	●	✓
UA-I0037	Predictive system for wind tower	Monitoring and prognostic system for estructural damage in wind towers	Rodrigo Astroza	●	
UA-M0021	R.A.D.A.R.	Implementation of a network for the care and detection of adolescents at risk of suicide.	Francisco Bustamante	●	✓

PRODUCTS / SERVICES DEVELOPED BY UANDES / SPIN-OFFS AVAILABLE FOR PURCHASE

CODE	TECHNOLOGY	DESCRIPTION	TECH TRANSFER	COMPANY
UA-C0007	Cellistem™	UC-MSC derived stem successfully isolated and expanded at GMP conditions.	Product	Cells for Cells
UA-C0008	Cellistem™: Dilated Cardiomyopathy	Using UC-MSC derived stem cells for the treatment of heart failure.	Product	Cells for Cells
UA-C0009	Miacell™	Autologous fibroblasts isolated and expanded at GMP conditions for aesthetic applications.	Product	Cells for Cells
UA-C0010	Cellistem™: Osteoarthritis	Using UC-MSC derived stem cells for the treatment of knee osteoarthritis.	Product	Cells for Cells
UA-E0004	Dia+: Dialect	Technology platform for the diagnosis and assessment of reading skills in children from kindergarten to 3rd grade.	Joint Venture	Colegium
UA-M0021	R.A.D.A.R.	Implementation of a network for the care and detection of adolescents at risk of suicide.	Know-how	Servicio de Salud de Aysén.
UA-O0020	PregnosticA: Gestational Diabetes Mellitus	Use of oral fluids to predict the development of gestational diabetes in early pregnancy.	Spin-off	Pregnóstica
UA-O0011	The GUMZY	A new delivery strategy for statins to control immune responses in periodontal diseases.	Cession	DRM Odontológica
UA-I0021	Almond Classifier	Machine to classify almonds according to size, shape and damage.	License	SortBox





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> **DIRECCIÓN
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Proyecto apoyado por

CORFO



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