

NOMBRE DEL PROYECTO	PUESTO OFRECIDO	RESUMEN	PERSONA DE CONTACTO
Wastewater antibiotic resistance removal for a safe water environment	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:maria.uset@iqs.edu">Dra. Maria Auset (maria.uset@iqs.edu)</a>
Hupertacirines: A new family of compounds for Alzheimer's disease therapy	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:Jose.Borrel@iqs.edu">Dr. José I. Borrell (jose.borrel@iqs.edu)</a> <a href="mailto:raimon.puig@iqs.edu">Dr. Raimon Puig de la Bellacasa (raimon.puig@iqs.edu)</a>
Covalent binding strategy: Synthesis of suitable linkers for pyrido[2,3-d]pyrimidines structures as a potential anticancer agents.	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:raimon.puig@iqs.edu">Dr. Raimon Puig de la Bellacasa (raimon.puig@iqs.edu)</a>
New Functionalized Diazomethane Reagents to be Applied in Late Stage Drug Diversification	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:ana.belén.cuenca@iqs.edu">Dr. Ana Belén Cuenca (anabelen.cuenca@iqs.edu)</a>
Fungal bioremediation of toxic polychlorinated dioxins and furans	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:jordi.diaz@iqs.edu">Dr. Jordi Diaz (jordi.diaz@iqs.edu)</a> <a href="mailto:maria.uset@iqs.edu">Dra. Maria Auset (maria.uset@iqs.edu)</a>
Development of electrochemical biosensors	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:jordi.abella@iqs.edu">Dr. Jordi Abellà (jordi.abella@iqs.edu)</a> <a href="mailto:sergi.colominas@iqs.edu">Dr. Sergi Colominas (sergi.colominas@iqs.edu)</a>
High temperature electrochemical gas sensors	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:jordi.abella@iqs.edu">Dr. Jordi Abellà (jordi.abella@iqs.edu)</a> <a href="mailto:sergi.colominas@iqs.edu">Dr. Sergi Colominas (sergi.colominas@iqs.edu)</a>
Halogen-directed construction of molecular complexity: testing the concept	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:ana.belén.cuenca@iqs.edu">Dra. Ana Belén Cuenca (anabelen.cuenca@iqs.edu)</a>
Sequential Batch Biofilm Reactor for the Decentralized Treatment of Greywater	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:maria.uset@iqs.edu">Dra. Maria Auset (maria.uset@iqs.edu)</a>
Engineering syntheses and deacetylases: towards the enzymatic production of chitosans with defined deacetylation patterns for biomedical applications	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:antoni.planas@iqs.edu">Dr. Antoni Planas (antoni.planas@iqs.edu)</a>
Animal cells engineering for the production of exosomes	1 Undergraduate project (2 to 6 months) 1 Master research project (6-9 meses)	<a href="#">Ver más</a>	<a href="mailto:marti.lectina@iqs.edu">Dr. Martí Lecina (marti.lectina@iqs.edu)</a>
Gene delivery systems based on zwitterionic polymers	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:cristina.fornaguera@iqs.edu">Dra. Cristina Fornaguera (cristina.fornaguera@iqs.edu)</a>
Desarrollo de nuevos procesos de separación para la recuperación de gases refrigerantes	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:javier.fernandez@iqs.url.edu">Dr. Javier Fernández (javier.fernandez@iqs.url.edu)</a>
Development of peptide and antibody mimetics targeting gene nanotherapies to brain tumours	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:benjami.oller@iqs.url.edu">Dr. Benjami Oller-Salvia (benjami.oller@iqs.url.edu)</a>
New generation of drugs protecting against neurotoxic industrial chemicals	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:cristian.gomez@iqs.url.edu">Dr. Cristian Gómez-Canela (cristian.gomez@iqs.url.edu)</a>
Developing a method for T7 RNA polymerase production for applications in mRNA synthesis by in vitro transcription	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:pablo.leivar@iqs.edu">Dr. Pablo Leivar (pablo.leivar@iqs.edu)</a> <a href="mailto:magda.fajies@iqs.edu">Dr. Magda Fajies (magda.fajies@iqs.edu)</a> <a href="mailto:cristina.fornaguera@iqs.edu">Dr. Cristina Fornaguera (cristina.fornaguera@iqs.edu)</a>
Improvement of targeting selectivity to sialic acid receptors by using borylated polymers	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:salvador.borros@iqs.edu">Dr. Salvador Borrós (salvador.borros@iqs.edu)</a> <a href="mailto:cristina.fornaguera@iqs.edu">Dr. Cristina Fornaguera (cristina.fornaguera@iqs.edu)</a> <a href="mailto:ana.belén.cuenca@iqs.edu">Dr. Ana Belén Cuenca (anabelen.cuenca@iqs.edu)</a>
VEXOSOMES as stealth natural nanosystems to treat monogenic diseases	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:cristina.fornaguera@iqs.edu">Dr. Cristina Fornaguera (cristina.fornaguera@iqs.edu)</a>
Loading EVs using exogenous methods, for their further use of mRNA tumor vaccines	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:cristina.fornaguera@iqs.edu">Dr. Cristina Fornaguera (cristina.fornaguera@iqs.edu)</a> <a href="mailto:salvador.borros@iqs.edu">Dr. Salvador Borrós (salvador.borros@iqs.edu)</a>
New treatment for Duchenne muscular dystrophy based on a new family of polymers to encapsulate Adeno-Associated Viral vectors	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:salvador.borros@iqs.edu">Dr. Salvador Borrós (salvador.borros@iqs.edu)</a> <a href="mailto:marta.guerra@iqs.edu">Dr. Marta Guerra (marta.guerra@iqs.edu)</a> <a href="mailto:rodrigo.magaña@iqs.edu">Dr. Rodrigo Magaña (rodrigo.magaña@iqs.edu)</a>
Viral Vectors for the treatment of Lafora disease	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:marta.guerra@iqs.edu">Dr. Marta Guerra (marta.guerra@iqs.edu)</a> <a href="mailto:jordi.duran@iqs.url.edu">Dr. Jordi Duran (jordi.duran@iqs.url.edu)</a>
Nanoparticles for the treatment of Lafora disease	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:cristina.fornaguera@iqs.url.edu">Dr. Cristina Fornaguera (cristina.fornaguera@iqs.url.edu)</a> <a href="mailto:jordi.duran@iqs.url.edu">Dr. Jordi Duran (jordi.duran@iqs.url.edu)</a>
Chloroplast genomic and metabolic engineering For redirecting microalgae metabolism towards the production of rhamnolipid biosurfactants	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:pablo.leivar@iqs.url.edu">Dr. Pablo Leivar (pablo.leivar@iqs.url.edu)</a> <a href="mailto:antoni.planas@iqs.url.edu">Dr. Antoni Planas (antoni.planas@iqs.url.edu)</a>
Developing an R cheminformatics toolkit: functions and recipes to manage MS spectra	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:jordi.cuadros@iqs.url.edu">Dr. Jordi Cuadros (jordi.cuadros@iqs.url.edu)</a>
Circuit visualization in VISIR-DB	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:jordi.cuadros@iqs.url.edu">Dr. Jordi Cuadros (jordi.cuadros@iqs.url.edu)</a>
Characterization of extracellular vesicles of mouse models of lafora disease as biomarkers	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:cristina.fornaguera@iqs.url.edu">Dr. Cristina Fornaguera (cristina.fornaguera@iqs.url.edu)</a> <a href="mailto:francesc.xuix@iqs.url.edu">Dr. Francesc Xavier Guix (francesc.xuix@iqs.url.edu)</a> <a href="mailto:jordi.duran@iqs.url.edu">Dr. Jordi Duran (jordi.duran@iqs.url.edu)</a>
Waste valorization in the fruit juice industry for a Circular Bioeconomy	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:maria.uset@iqs.url.edu">Dr. Maria Auset (maria.uset@iqs.url.edu)</a> <a href="mailto:orlial.pou@iqs.url.edu">Dr. Oriol Pou (orlial.pou@iqs.url.edu)</a> <a href="mailto:david.sanchez@iqs.url.edu">Dr. David Sánchez (david.sanchez@iqs.url.edu)</a>
Development of nanocarriers directed to dodge potential drug resistance mechanisms using a 3D crosstalk model of pancreatic Tough hydrogels for cartilage repair	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:carlos.semino@iqs.url.edu">Dr. Carlos Semino (carlos.semino@iqs.url.edu)</a> <a href="mailto:nuria.oliva@iqs.url.edu">Dr. Nuria Oliva (nuria.oliva@iqs.url.edu)</a>
Design, synthesis and testing of a new family of branched poly(β-aminoester) polymers for nucleic acids encapsulation	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:cristina.fornaguera@iqs.url.edu">Dr. Cristina Fornaguera (cristina.fornaguera@iqs.url.edu)</a> <a href="mailto:salvador.borros@iqs.url.edu">Dr. Salvador Borrós (salvador.borros@iqs.url.edu)</a> <a href="mailto:ana.belén.cuenca@iqs.url.edu">Dra. Ana Belén Cuenca (anabelen.cuenca@iqs.url.edu)</a> <a href="mailto:manuel.abad@iqs.url.edu">Dr. Manuel D. Abad (manuel.abad@iqs.url.edu)</a>
Master in Chemical Engineering: Study of the synthesis parameters on the formation of new nanostructured carbon-based coatings by HIPIMS	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:manuel.abad@iqs.url.edu">Dr. Manuel D. Abad (manuel.abad@iqs.url.edu)</a>
Master in Industrial Engineering: Study of the synthesis parameters on the formation of new nanostructured carbon-based coatings by HIPIMS	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:manuel.abad@iqs.url.edu">Dr. Manuel D. Abad (manuel.abad@iqs.url.edu)</a> <a href="mailto:carles.colominas@iqs.url.edu">Dr. Carles Colominas</a>
Master in Materials Science & Engineering: Study of the synthesis parameters on the formation of new nanostructured carbon-based coatings by HIPIMS	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:manuel.abad@iqs.url.edu">Dr. Manuel D. Abad (manuel.abad@iqs.url.edu)</a> <a href="mailto:carles.colominas@iqs.url.edu">Dr. Carles Colominas</a>
Synthesis of zwitterionic conductive polymer nanosuspensions for inkjet-printed biosensors	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:carles.colominas@iqs.url.edu">Dr. Carles Colominas</a> <a href="mailto:robert.texido@iqs.url.edu">Dr. Robert Teixidó (robert.texido@iqs.url.edu)</a> <a href="mailto:rodrigo.magaña@iqs.url.edu">Dr. Rodrigo Magaña (rodrigo.magaña@iqs.url.edu)</a>
Development of conductive hydrogels as cellular scaffolds for cartilage repair	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:robert.texido@iqs.url.edu">Dr. Robert Teixidó (robert.texido@iqs.url.edu)</a> <a href="mailto:nuria.oliva@iqs.url.edu">Dra. Nuria Oliva (nuria.oliva@iqs.url.edu)</a>
Design of SoHO bioinks for bioprinting applications in regenerative medicine	1 Master research project (6-9 months)	<a href="#">Ver más</a>	<a href="mailto:salvador.borros@iqs.url.edu">Dr. Salvador Borrós (salvador.borros@iqs.url.edu)</a> <a href="mailto:robert.texido@iqs.url.edu">Dr. Robert Teixidó (robert.texido@iqs.url.edu)</a>

Fabrication of Electronic Skin Prototype through Plasma Polymerization-Assisted Deposition of pp-PFM/ Gold Thin Films	1 Master research project (6-9 months)	<a href="#">Ver más</a>	Dr. Robert Teixido <a href="mailto:robert.teixido@iqs.url.edu">robert.teixido@iqs.url.edu</a>
Unraveling the Role of Protein Corona in the Interaction between Silver Nanoparticles and Bacteria: A Computational Approach	1 Master research project (6-9 months)	<a href="#">Ver más</a>	Dr. Robert Teixido <a href="mailto:robert.teixido@iqs.url.edu">robert.teixido@iqs.url.edu</a>
New recovery processes to mitigate the impact of fluorinated gases from a circular economy perspective	1 Master research project (6-9 months)	<a href="#">Ver más</a>	Dr. Rafael González <a href="mailto:rafael.gonzalez@iqs.url.edu">rafael.gonzalez@iqs.url.edu</a>
Post-combustion CO2 capture pilot plant optimization with new adsorbents and digital twin development	1 Master research project (6-9 months)	<a href="#">Ver más</a>	Dr. Rafael González <a href="mailto:rafael.gonzalez@iqs.url.edu">rafael.gonzalez@iqs.url.edu</a>
Conversion of carbon dioxide to added value products in plasma reactor	1 Master research project (6-9 months)	<a href="#">Ver más</a>	Dr. Javier Fernández <a href="mailto:javier.fernandez@iqs.url.edu">javier.fernandez@iqs.url.edu</a>
CO2 capture with innovative radiofrequency heating set-up	1 Master research project (6-9 months)	<a href="#">Ver más</a>	Dr. Javier Fernández <a href="mailto:javier.fernandez@iqs.url.edu">javier.fernandez@iqs.url.edu</a>
Cu-catalyzed reactions with flow chemistry	1 Master research project (6-9 months)	<a href="#">Ver más</a>	Dr. Javier Fernández <a href="mailto:javier.fernandez@iqs.url.edu">javier.fernandez@iqs.url.edu</a>
Simulation-X and Machine learning	1 Master research project (3-9 months)	<a href="#">Ver más</a>	Dr. Andrés García <a href="mailto:andres.garcia@iqs.url.edu">andres.garcia@iqs.url.edu</a>
ANSYS LS-DYNA for crash	1 Master research project (3-9 months)	<a href="#">Ver más</a>	Dr. Andrés García <a href="mailto:andres.garcia@iqs.url.edu">andres.garcia@iqs.url.edu</a>
Ex vivo 3D models of fibrotic skin	1 Master research project (3-9 months)	<a href="#">Ver más</a>	<a href="mailto:Dr._Nuria_Oliva_(nuria.oliva@iqs.url.edu)">Dr. Nuria Oliva (nuria.oliva@iqs.url.edu)</a>
Metabolic and Bioprocessing Engineering towards to production of high value metabolites based on sustainable feedstocks	1 Master research project (3-9 months)	<a href="#">Ver más</a>	<a href="mailto:Dr._Marc_Carnicer_(marc.carnicer@iqs.edu)">Dr. Marc Carnicer (marc.carnicer@iqs.edu)</a>
Tumor-antigen expression in lung cancer: a meta-analysis for finding candidate biomarkers for mRNA vaccine	1 Master research project (3-9 months)	<a href="#">Ver más</a>	<a href="mailto:cristina.fornaguera@iqs.url.edu">cristina.fornaguera@iqs.url.edu</a> <a href="mailto:martahh1@bianquera.url.edu">martahh1@bianquera.url.edu</a>