

Dr Jordi Gonzalez Molina
PhD

School of Engineering and Materials Science
Queen Mary University of London
Mile End Road
London E1 4NS

tel: +44 (0)20 7882 8732
email: j.gonzalez-molina@qmul.ac.uk web: www.sems.qmul.ac.uk/j.gonzalez-molina

2022**Chemotherapy as a regulator of extracellular matrix-cell communication: Implications in therapy resistance.**

Gonzalez-Molina J, Moyano-Galceran L, Single A, Gultekin O, Alsalhi S and Lehti K. *Semin Cancer Biol* vol. 86, (Pt 3) 224-236.

Mechanical Confinement and DDR1 Signaling Synergize to Regulate Collagen-Induced Apoptosis in Rhabdomyosarcoma Cells.

Gonzalez-Molina J, Kirchhof KM, Rathod B, Moyano-Galceran L, Calvo-Noriega M, Kokaraki G, Bjørkøy A, Ehnman M, Carlson JW and Lehti K. *Adv Sci (Weinh)* vol. 9, (28).

2021**FOXP3+ T cells in uterine sarcomas are associated with favorable prognosis, low extracellular matrix expression and reduced YAP activation.**

Gultekin O, Gonzalez-Molina J, Hardell E, Moyano-Galceran L, Mitsios N, Mulder J, Kokaraki G, Isaksson A, Sarhan D, Lehti K and Carlson JW. *Npj Precis Oncol* vol. 5, (1).

Co-evolution of matrisome and adaptive adhesion dynamics drives ovarian cancer chemoresistance.

Pietilä EA, Gonzalez-Molina J, Moyano-Galceran L, Jamalzadeh S, Zhang K, Lehtinen L, Turunen SP, Martins TA, Gultekin O, Lamminen T, Kaipio K, Joneborg U, Hynninen J, Hietanen S, Grénman S, Lehtonen R, Hautaniemi S, Carpén O, Carlson JW and Lehti K. *Nat Commun* vol. 12, (1).

2019**MMP14 in Sarcoma: A Regulator of Tumor Microenvironment Communication in Connective Tissues.**

Gonzalez-Molina J, Gramolelli S, Liao Z, Carlson JW, Ojala PM and Lehti K. *Cells* vol. 8, (9).

The extracellular fluid macromolecular composition differentially affects cell-substrate adhesion and cell morphology.

Gonzalez-Molina J, Mendonça da Silva J, Fuller B and Selden C. *Sci Rep* vol. 9, (1).

Integrated Molecular Analysis of Undifferentiated Uterine Sarcomas Reveals Clinically Relevant Molecular Subtypes.

Binzer-Panchal A, Hardell E, Viklund B, Ghaderi M, Bosse T, Nucci MR, Lee C-H, Hollfelder N, Corcoran P, Gonzalez-Molina J, Moyano-Galceran L, Bell DA, Schoolmeester JK, Måsbäck A, Kristensen GB, Davidson B, Lehti K, Isaksson A and Carlson JW. *Clin Cancer Res* vol. 25, (7) 2155-2165.

2018**Extracellular fluid viscosity enhances liver cancer cell mechanosensing and migration.**

Gonzalez-Molina J, Zhang X, Borghesan M, Mendonça da Silva J, Awan M, Fuller B, Gavara N and Selden C. *Biomaterials* vol. 177, 113-124.

2017**A clinical-scale BioArtificial Liver, developed for GMP, improved clinical parameters of liver function in porcine liver failure.**

Selden C, Bundy J, Erro E, Puschmann E, Miller M, Kahn D, Hodgson H, Fuller B, Gonzalez-Molina J, Le Lay A, Gibbons S, Chalmers S, Modi S, Thomas A, Kilbride P, Isaacs A, Ginsburg R, Ilsley H, Thomson D, Chinnery G, Mankahla N, Loo L and Spearman CW. *Sci Rep* vol. 7, (1).

Applications and optimization of cryopreservation technologies to cellular therapeutics.

Fuller B, Gonzalez-Molina J, Erro E, De Mendonca J, Chalmers S, Awan M, Poirier A and Selden C. *Cell and Gene Therapy Insights* vol. 3, (5) 359-378.

2012

Rapid magnetic cell delivery for large tubular bioengineered constructs.

Gonzalez-Molina J, Riegler J, Southern P, Ortega D, Frangos CC, Angelopoulos Y, Husain S, Lythgoe MF, Pankhurst QA and Day RM. *J R Soc Interface* vol. 9, (76) 3008-3016.