

Supplementary Materials

The Extracellular Matrix Influences Ovarian Carcinoma Cells' Sensitivity to Cisplatin: A First Step towards Personalized Medicine

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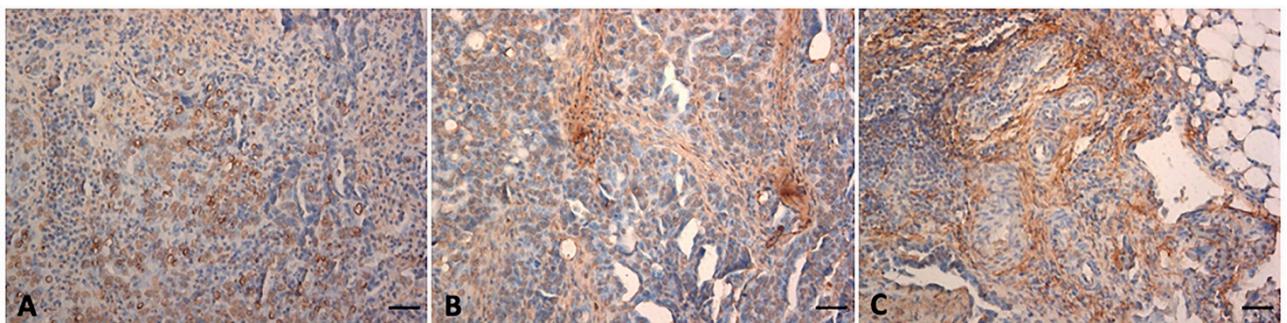


Figure S1. FN distribution around blood vessels in HGSOC tumor microenvironment.
Magnification 200 \times , scale bar 50 μ m.

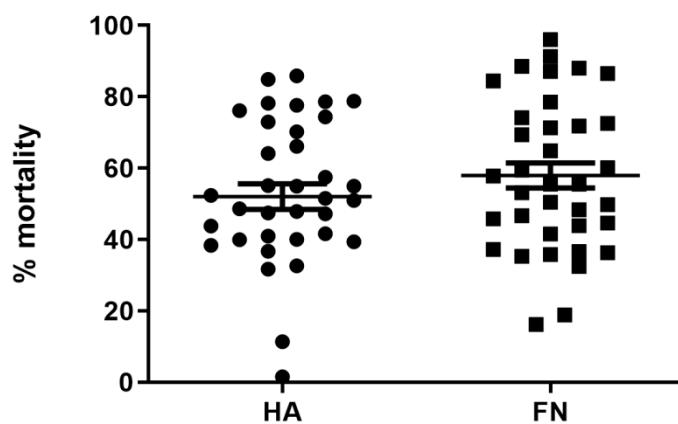


Figure S2. Effect of HA and FN matrixes on cisplatin sensitivity of a mixed population of ovarian malignancies and benign tumors. In this graph, mortality after 5 μ g/mL cisplatin treatment was reported, by comparing HA and FN.

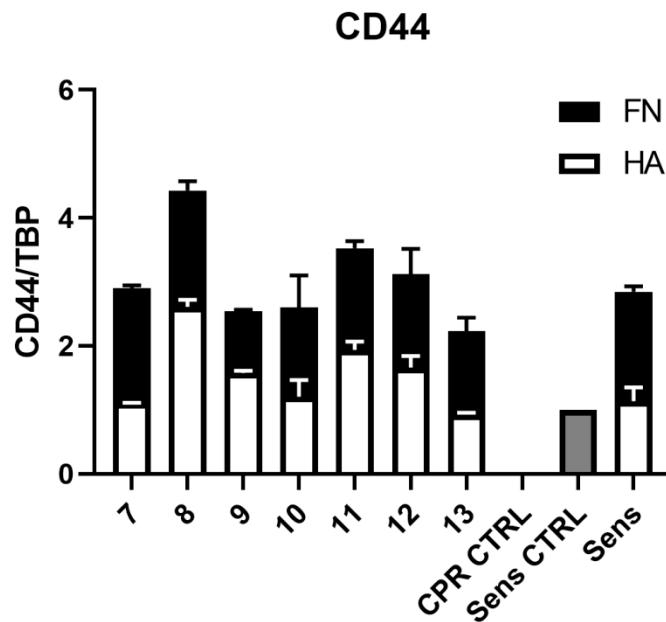


Figure S3. CD44 mRNA expression levels in ovarian cancer cells isolated from ascitic fluids. Cells were seeded onto HA and FN matrixes for 24 h. Total RNA was extracted from cell lysates and quantitative Real-Time PCR was performed to evaluate gene expression of CD44- TATA-box binding protein (TBP) was used as a housekeeping gene to normalize gene expression results. Sens TYK-*nu* were used as a calibrator.

Table S1. Immune-phenotypic characterization of the tumor mass. Notes: np = not present; PAX = paxillin; CK = cytokeratin; WT1 = Wilms' tumor 1; ER = estrogen receptor.

Patient Code	ki67 (%)	p53	PAX8	CK7	CK20	GATA3	WT1	ER
1	np	np	np	np	np	np	np	np
2	np	-	+	np	np	np	np	np
3	60	++	+	+	-	-	-	+
4	np	++	+	+	-	-	-	np
5	np	++	++	++	-	-	++	np
6	np	np	+	+	np	np	np	-
7	70	++	+	+	-	-	+	np
8	50	++	+	np	np	-	np	+
9	np	np	np	np	np	np	np	np
10	60-70	+++	++	+++	-	-	+	+++
11	np	+++	+	+	-	-	+	+++
12	np	-	+	+	np	np	+	np
13	np	++	+	+	-	-	+	++

Table S2. Primers used for quantitative Real-Time PCR.

Gene	Sequence (5' → 3')	Tm (°C)	NCBI GeneID
MSH2	AGGCATCCAAGGAGAATGATTG GGAATCCACATACCCAACCTCCAA	60	4436
ERCC1	TTGGCGACGTAATTCCCGAC CCTGCTGGGATCTTCACA	61	2067
OGG1	ACTCCCACCTCCAAGAGGTG GGATGAGCCGAGGTCCAAAAG	60	4968

PMS2	CAATGGATGTGGGTAGAAGAAG GTTAGGTGGCAAACCTTGAAT	60	5395
XRCC3	CCCCATTCCGCTGTGAATTG GGTTAGCCCAGGTTATGCCA	61	7517
CD44	CTGCCGCTTGCAGGTGTA CATTGTGGCAAGGTGCTATT	60	960
TBP	GAGCCAAGAGTGAAGAACAGTC GCTCCCCACCATAATTCTGAATCT	60	CR456776.1



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