

Supplementary Materials

Table S1. Cytokine plasma concentrations in patients with rheumatoid arthritis (RA), patients with osteoarthritis (OA), and healthy volunteers (C).

Cytokine	LLOQ	C (n = 37)	OA (n = 18)	OA vs. C	RA (n = 25)	RA vs. C
	[pg/mL]	[pg/mL]	[pg/mL]	FDR	[pg/mL]	FDR
EGF	7.04	26.4 ± 0.1	13.5 ± 0.2	0.212	9.3 ± 0.1 *	0.020
Eotaxin	23.7	102.2 ± 0.1	102.2 ± 0.6	0.998	115.6 ± 0.4	0.266
Flt-3 Ligand	25.4	59.3 ± 0.1	62.2 ± 0.4	0.926	81 ± 0.2 *	0.020
GROβ	11.0	585.3 ± 2.1	300.6 ± 4.1	0.097	270.2 ± 3.9 *	0.032
IFN-γ	0.49	1.21 ± 0.01	0.95 ± 0.01	0.646	2.27 ± 0.04	0.285
IL-1α †	10.3	4.93 ± 0.02	3.27 ± 0.03	0.392	3.81 ± 0.03	0.345
IL-1β †	3.42	2.35 ± 0.01	0.99 ± 0.02	0.241	1.15 ± 0.01	0.285
IL-1ra	11.0	294.2 ± 0.7	351.5 ± 3.1 *	0.047	543.7 ± 3.9 *	0.034
IL-6	8.4	7.38 ± 0.02	6.31 ± 0.05	0.536	13.8 ± 0.14 *	0.020
IL-13	30.8	57.2 ± 0.1	51.7 ± 0.2	0.536	53.7 ± 0.1	0.059
IP-10	2.73	82.5 ± 0.3	83.1 ± 0.7	0.998	101.9 ± 0.5	0.285
MCP-1	5.23	82.3 ± 0.1	94.7 ± 0.4	0.270	100.1 ± 0.2 *	0.020
MIP-1α	5.23	28 ± 0	26.8 ± 0.1	0.926	24.7 ± 0.1	0.285
MIP-3α	2.22	12.3 ± 0	10.2 ± 0.1	0.543	84.6 ± 2.6	0.285
MIP-3β	4.49	90.3 ± 0.5	88 ± 1.1	0.998	102.8 ± 0.3	0.575
PDGF-AA	8.92	937.1 ± 3.5	339.9 ± 4.8	0.044	350.7 ± 4.1 *	0.020
PDGF-AB/BB	8.44	473.3 ± 1.7	203.6 ± 3.3	0.051	212.1 ± 3.2 *	0.032
PD-L1/B7-H1	6.58	41.4 ± 0.1	41.3 ± 0.2	0.998	54.5 ± 0.2 *	0.032
RANTES	315.7	57,704 ± 179	25,712 ± 399 *	0.044	25,805 ± 371 *	0.020
TNF-α	11.40	7.12 ± 0.01	7.33 ± 0.06	0.998	10.04 ± 0.07	0.110
TNF-β	0.86	4.16 ± 0.01	4.86 ± 0.05	0.646	5.11 ± 0.04	0.345
VEGF	6.43	68.5 ± 0.2	48.2 ± 0.3	0.270	57.3 ± 0.2	0.345

Abbreviations: LC: lowest calibrator; EGF, epidermal growth factor; Flt3, FMS-like tyrosine kinase 3; GRO, growth-regulated protein; IFN, interferon; IL, interleukin; IP, interferon gamma-induced protein; MCP, monocyte chemoattractant protein; MIP, macrophage inflammatory protein; PGF, platelet-derived growth factor; PD-L1, programmed death ligand-1; RANTES, regulated on activation, normal T-cell expressed and secreted; TNF, tumor necrosis factor; VEGF, vascular endothelial growth factor. Data are shown as mean ± SEM. * FDR < 0.05. The symbol † indicates that values are below the lowest calibrator, but above the limit of detection.

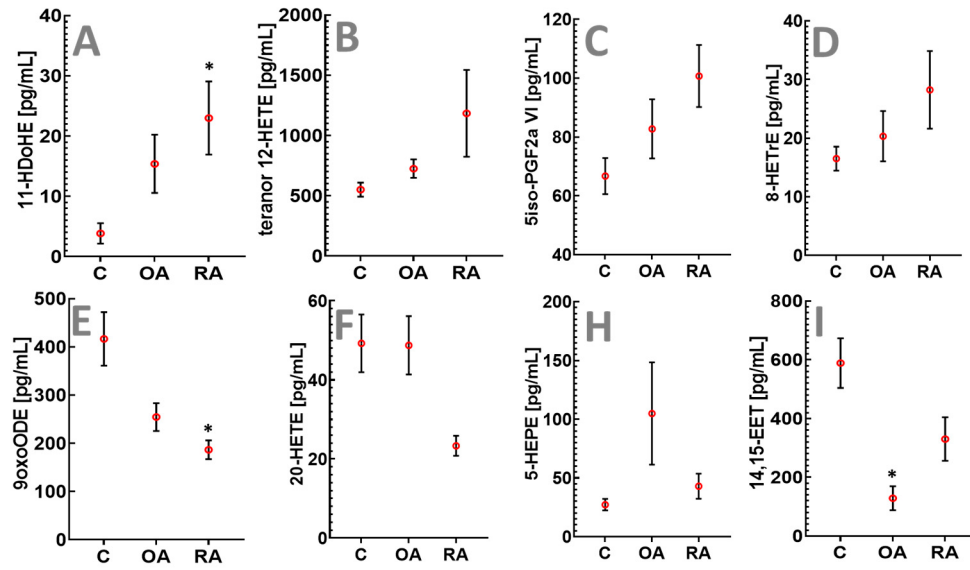


Figure S1. Key lipid mediators in OA and RA. Comparison of plasma concentration of key lipid mediators in OA (n = 17) and RA (n = 25) compared to age-matched healthy controls (C, n = 37). Data are shown as mean ± SEM. * FDR < 0.05.