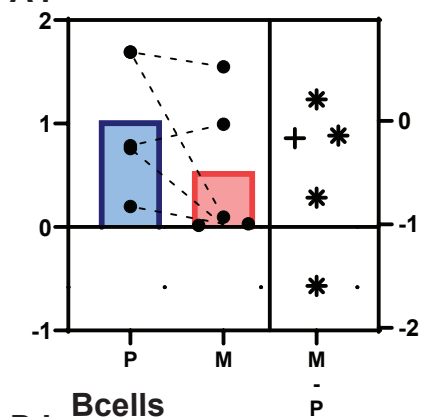
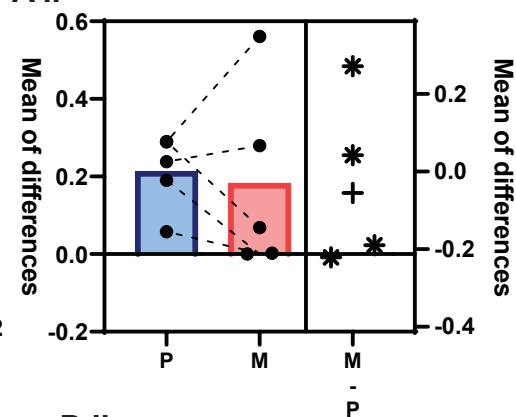
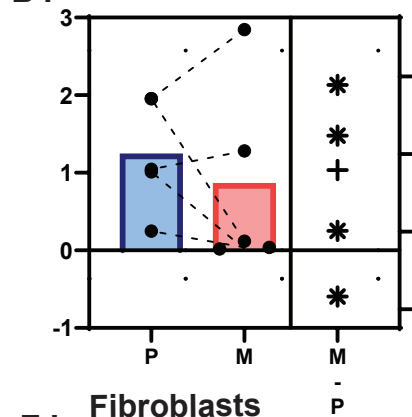
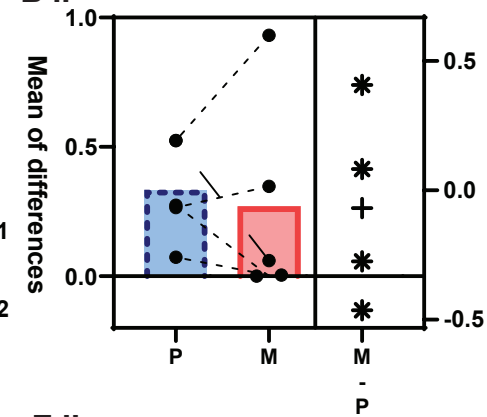
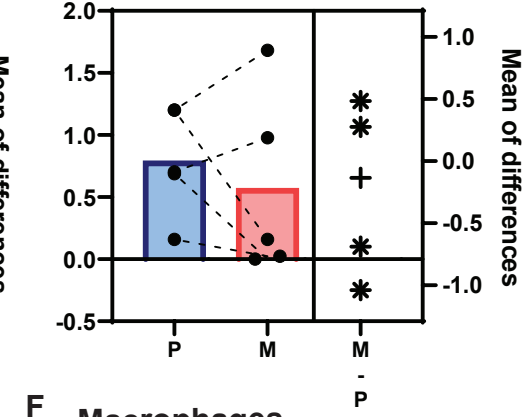
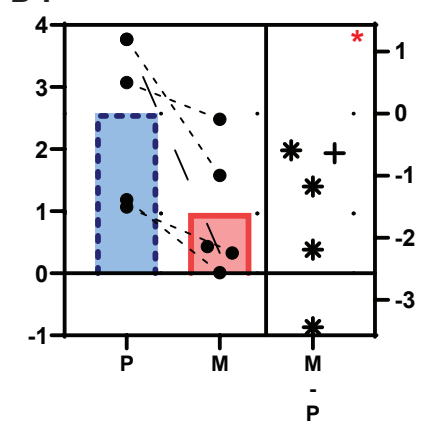
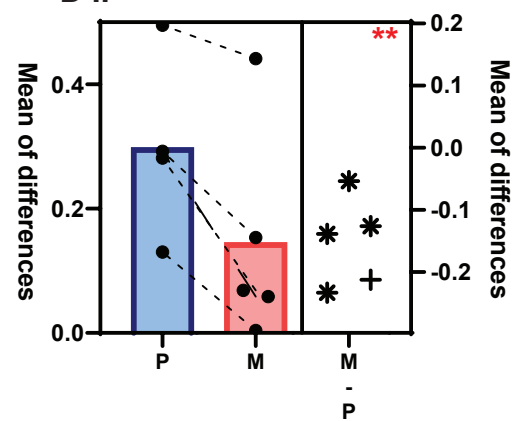
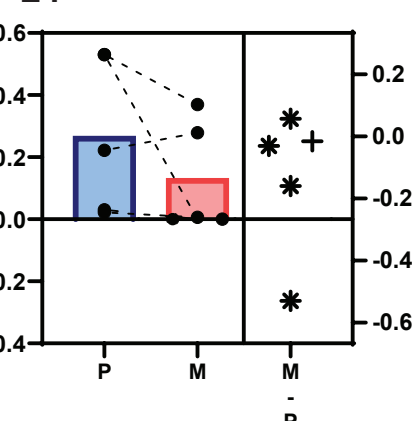
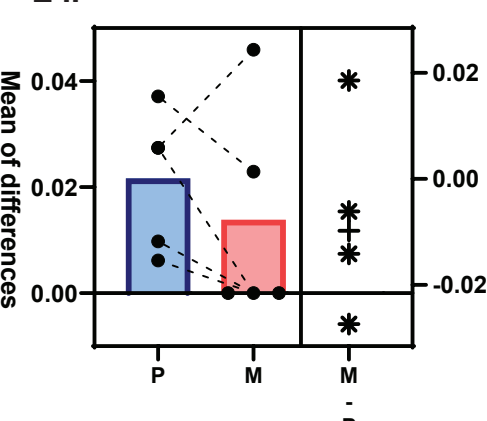
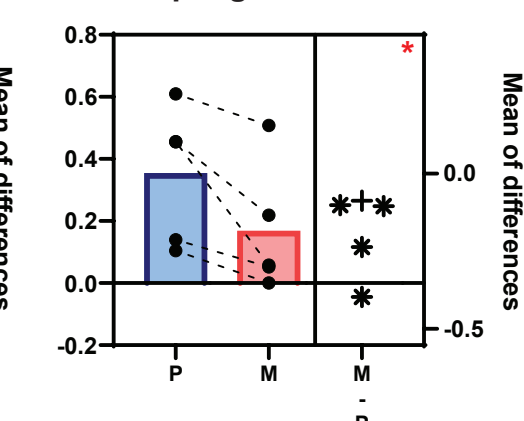
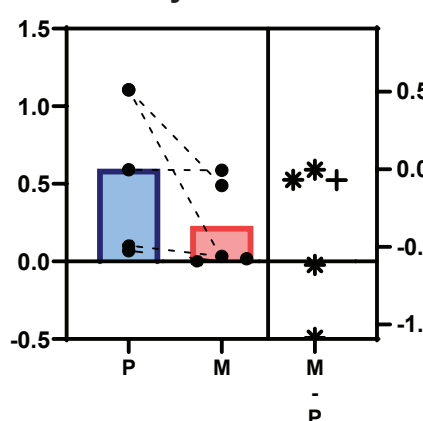
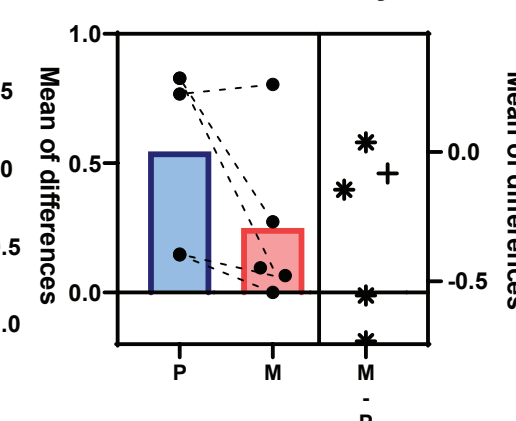
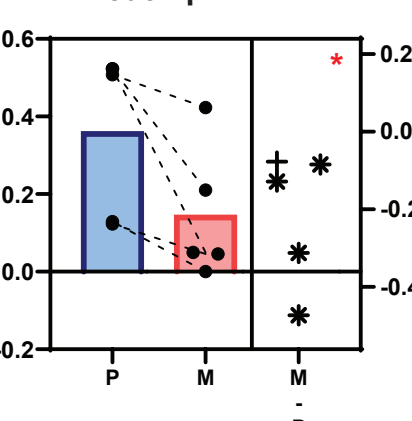


Metal tag	Target	Antibody Clone	Company	Catalogue number
139La	pan-Cytokeratin	SPM115, SPM116	Novus biologicals	NOVNBP234
141Pr	CD20	H1	BD	555677
142Nd	Histone H3	Polyclonal	Novus biologicals	NOVNB500171
143Nd	CD45RA	HI100	Biologend	304102
146Nd	CD8a	D8A8Y	Cell signalling	85336BF
147Sm	Podoplanin	Polyclonal	RnD Systems	RDSAF367
148Nd	CD16	EPR16784	abcam	Ab256582
149Sm	CADM1	Polyclonal	Invitrogen	PA524196
150Nd	IDO	D5J4E	CST	86630S
151Eu	PDL1	E13LN	CST	13684S
152Sm	CD13	498001	RnD Systems	MAB3815
153Eu	CD68	KP1	Biologend	916104
154Sm	VISTA	D1L2G	CST	64953S
155Gd	CD31	EPR3094	abcam	Ab207090
156Gd	CXCR3	49801	abcam	ab64714
158Gd	pSTAT3	4/P-STAT3	Fluidigm	3158030D
159Tb	CCR7	Polyclonal	Proteintech	55425-1-AP
160Gd	CD14	EPR3653	abcam	Ab214438
161Dy	FXIIIa	Polyclonal	Affinity Biologicals	SAF13A-AP
162Dy	FoxP3	Polyclonal	RnD Systems	RDSAF3240
163Dy	PD1	EPR4877(2)	abcam	Ab186928
164Dy	CD45RO	UCHL1	Becton Dickinson	555491
165Ho	OX40	E9U70	CST	61637S
166Er	NFKB p65 subunit	K10x	Fluidigm	3166026D
167Er	CD66a	YTH71.3	abcam	Ab128720
168Er	Ki67	Polyclonal	R&D systems	RDSAF7617
169Tm	Lag3	D2G40	CST	15372
170Er	CD3	Polyclonal	abcam	AB5690
171Yb	Granzyme B	EPR8260	abcam	Ab226162
172Yb	PDL2	D7U8C	Fluidigm	3172031D
173Yb	CD4	EPR6855	abcam	AB181724
174Yb	HLA DR	EPR3692	abcam	AB215985
175Lu	ICOS	D1K2T	CST	89601S
176Yb	TIM3	D5D5R	CST	45208S
191Ir	DNA intercalator	-	Fluidigm	201192B
193Ir	DNA intercalator	-	Fluidigm	201192B

Supplementary Figure 1

A I CD8+ Tcells**A II****B I CD4+ Tcells****B II****C Tregs****D I Bcells****D II****E I Fibroblasts****E II****F Macrophages****G monocytes****H non-classical monocytes****I Neutrophils****J non-neutrophil granulocytes**