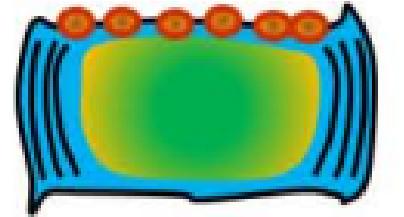


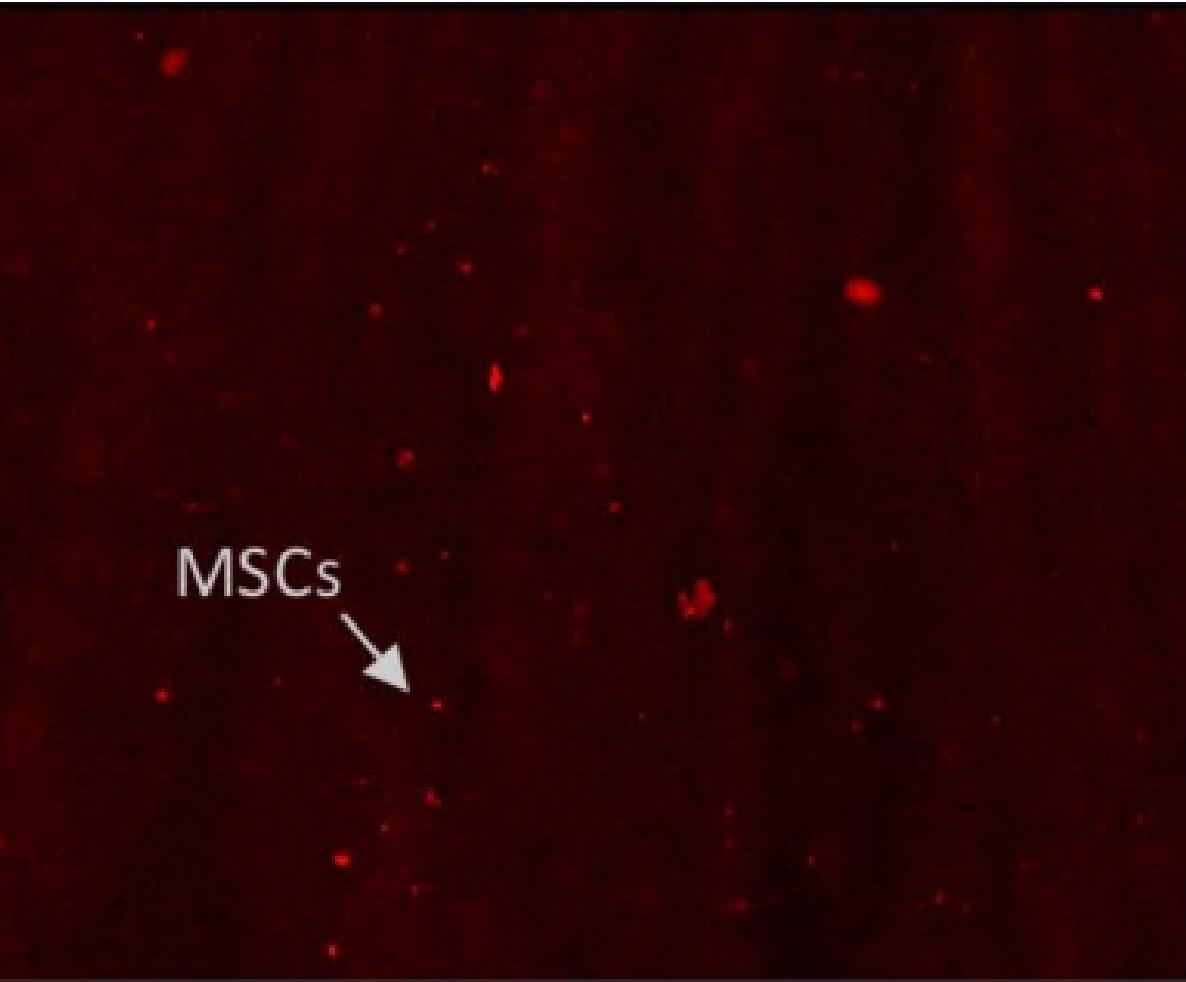
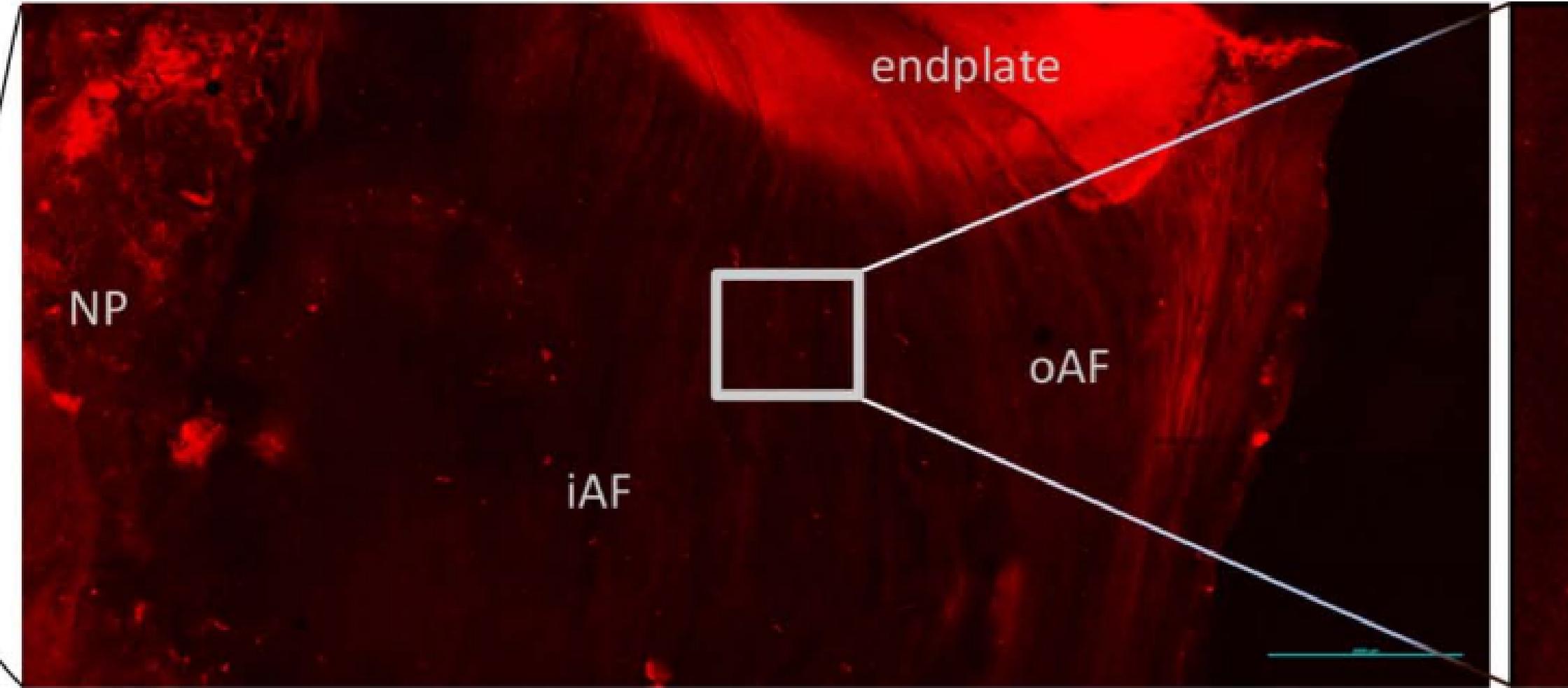
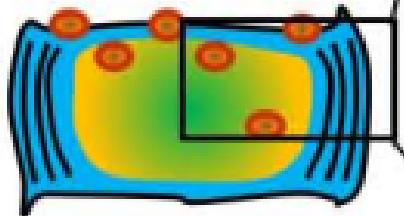
**Supplementary Table 1** – Fraction of proliferating disc cells as % (Table, Fig. 7)

IVD tissue	Donor #	Flow cytometry		fold change	IHC		fold change
		ctrl	treated		ctrl	treated	
healthy	hD#1	-	-	-	16.6	26.0	1.5
	hD#2	2.9	1.5	0.5	15.5	10.4	0.6
	hD#3	1.5	2.7	1.8	3.1	9.2	2.9
trauma	hD#4	0.2	0.3	1.5	-	-	-
	hD#7	1.6	3.0	1.8	-	-	-
degenerative	hD#8	0.2	0.5	2.5	-	-	-
	hD#10	0.3	2.6	8.6	-	-	-

MSCs  
( $3 \times 10^6$ , PKH26)



5d



**a**

Patient ID	Age	Sex	Level	Pathology
MSC#1	51	M	L5	trauma
MSC#2	77	M	L3	trauma
MSC#3	78	F	Th8	trauma
MSC#4	63	M	Th11 + L1	trauma
MSC#5	52	M	TH11 + L1	trauma
MSC#6	50	M	L4	trauma
MSC#7	63	M	L1	trauma
MSC#8	65	M	L3+ L5	trauma
MSC#9	67	M	Th7+Th9	trauma

**b**

Patient ID	Age	Sex	Level	Pathology	MSC# used
hD#1	31	M	L3-4	healthy	MSC#9
hD#2	54	M	Th12-L1	healthy	MSC#9
hD#3	63	M	L2-3	healthy	MSC#9
hD#4	72	M	L4-5	trauma	MSC#9
hD#5	81	F	L2-3	trauma	MSC#1
hD#6	26	M	Th12-L1	trauma	MSC#1
hD#7	35	M	L1-2	trauma	MSC#2
hD#8	69	M	L2-3	degenerative	MSC#9
hD#9	69	F	L3-4	degenerative	MSC#1
hD#10	75	M	L4-5	degenerative	MSC#2