eTable 1 Demographic data of cohort A (PBMC)

eTable 1 Demographics for all participants and baseline disease characteristics for patients with RRMS and PPMS (PBMC cohort)				
Subject Demographics	**HD (n=40)**	**RRMS (n=38)**	**PPMS (n=40)**	**Statistics**
Mean age, years (SD)	49 (11.0)	48 (10.7)	49 (10.7)	ns (0.906)
Female, n (%)	23 (57.5)	26 (65.0)	23 (57.5)	ns (0.478)
Time since first symptoms of MS, mean (SD), months	N/A	81 (125.7)	102 (78.1)	ns (0.379)
EDSS score at baseline, median (min; max)		2.0 (0.0; 6.0)	4.0 (2.0; 7.0)	PPMS ***
MRI lesion load > 9 T2 lesions, n (%)		17 (44.7)	30 (75.0)	ns (0.109)

Subject Demographics	**Young (n=20)**	**Old (n=20)**	**Young (n=20)**	**Old (n=18)**	**Young (n=20)**	**Old (n =20)**	**Young vs. Young Old vs. Old**
Mean age, years (SD)	40 (7.1)	58 (5.1)	40 (7.8)	56 (5.3)	40 (7.3)	57 (5.4)	ns (0.989) ns (0.203)
Female, n (%)	12 (60.0)	11 (55.0)	12 (60.0)	14 (77.8)	12 (60.0)	11 (55.0)	ns (0.859) ns (0.298)
Time since first symptoms of MS, mean (SD), months	N/A		45 (61.5)	125 (165.4)	99 (83.4)	107 (74.3)	PPMS* ns (0.654)
EDSS score at baseline, median (min; max)			1.5 (0-3)	2.0 (0-6)	3.5 (2-7)	4.0 (2-6.5)	PPMS*** PPMS**
MRI lesion load > 9 T2 lesion, n (%)			7 (35.0)	10 (55.6)	12 (60.0)	18 (90.0)	ns (0.085) ns (0.306)

EDSS, Expanded Disability Status Scale; HD, healthy donors; MRI, magnetic resonance imaging; MS, multiple sclerosis; n, number; N/A, not applicable; PPMS, primary progressive MS; RRMS, relapsing-remitting MS; SD, standard deviation. Disease duration was defined as the timespan between symptom onset and the date of blood sampling. For continuous variables, independent-samples t-test or Mann-Whitney-U test and analysis of variance with post-hoc Bonferroni-testing were conducted as appropriate. For binary variables, a chi-square-test was calculated. Significance levels (p-values) are indicated after the respective cohort abbreviations; ns p≥0·05; *p<0.05, **p<0.01, ***p<0.001.