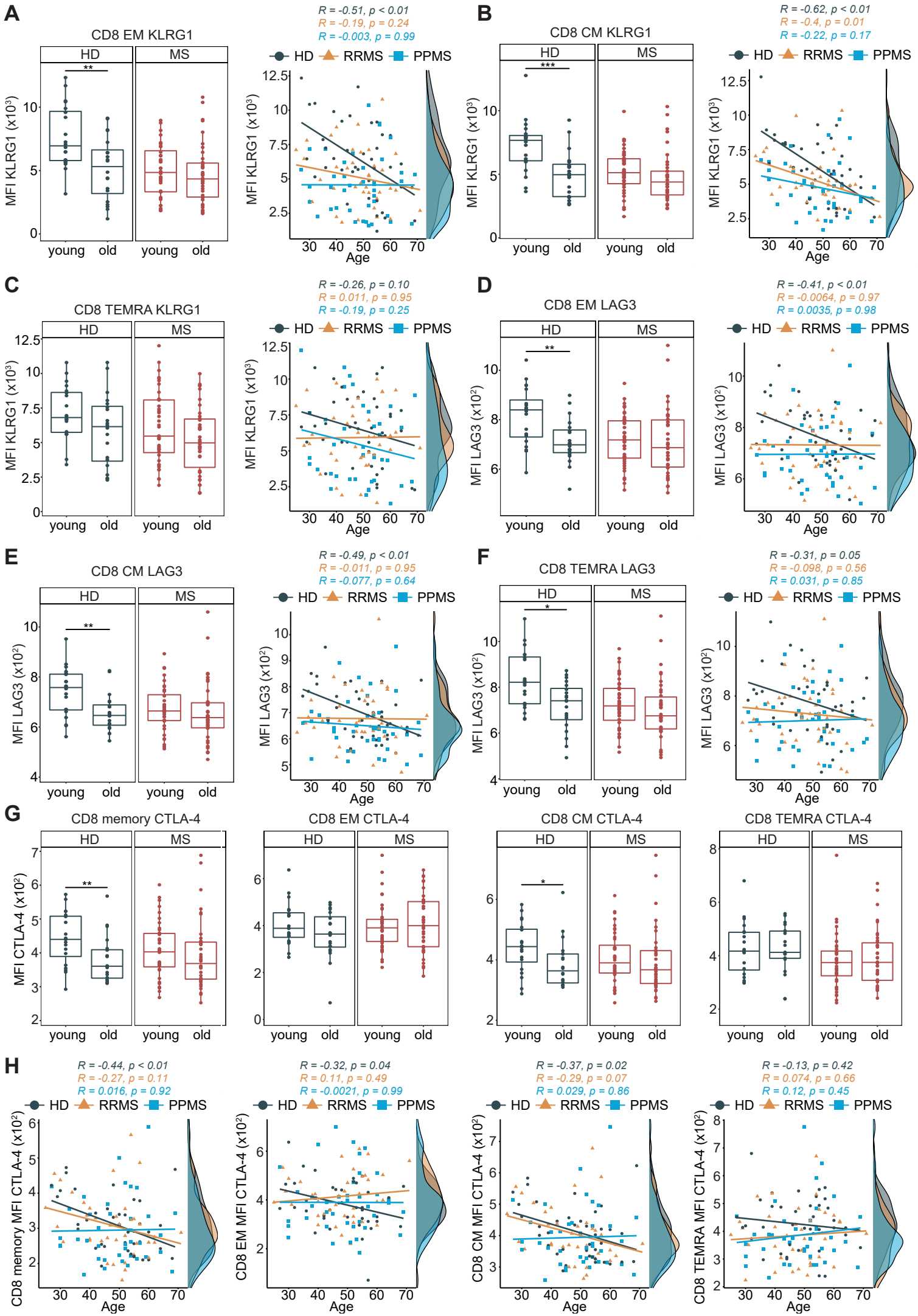
A
CD8 EM KLRG1
HD
MS
MFI KLRG1 (x10³)
young
old
R = -0.51, p < 0.01
R = -0.19, p = 0.24
R = -0.003, p = 0.99
HD RRMS PPMS
Age
B
CD8 CM KLRG1
R = -0.62, p < 0.01
R = -0.4, p = 0.01
R = -0.22, p = 0.17
C
CD8 TEMRA KLRG1
R = -0.26, p = 0.10
R = 0.011, p = 0.95
R = -0.19, p = 0.25
D
CD8 EM LAG3
MFI LAG3 (x10²)
R = -0.41, p < 0.01
R = -0.0064, p = 0.97
R = 0.0035, p = 0.98
E
CD8 CM LAG3
R = -0.49, p < 0.01
R = -0.011, p = 0.95
R = -0.077, p = 0.64
F
CD8 TEMRA LAG3
R = -0.31, p = 0.05
R = -0.098, p = 0.56
R = 0.031, p = 0.85
G
CD8 memory CTLA-4
MFI CTLA-4 (x10²)
CD8 EM CTLA-4
CD8 CM CTLA-4
CD8 TEMRA CTLA-4
H
CD8 memory MFI CTLA-4 (x10²)
R = -0.44, p < 0.01
R = -0.27, p = 0.11
R = 0.016, p = 0.92
CD8 EM MFI CTLA-4 (x10²)
R = -0.32, p = 0.04
R = 0.11, p = 0.49
R = -0.0021, p = 0.99
CD8 CM MFI CTLA-4 (x10²)
R = -0.37, p = 0.02
R = -0.29, p = 0.07
R = 0.029, p = 0.86
CD8 TEMRA MFI CTLA-4 (x10²)
R = -0.13, p = 0.42
R = 0.074, p = 0.66
R = 0.12, p = 0.45

eFigure 6 Expression of immunoregulatory markers in the CD8 memory compartment of young and old MS patients and HD. Flow cytometric analysis of frozen PBMC from young (≤ 50 years) and old (> 50 years) patients with multiple sclerosis (MS) (MS: young: *n*=40; old: *n*=38; relapsing-remitting MS (RRMS): young: *n*=20, old: *n*=18; primary progressive (PPMS): young: *n*=20, old: *n*=20) and healthy donors (HD) (young *n*=20; old: *n*=20). Demographic data of study subjects are depicted in eTable 1. **(A-C)** Mean Fluorescence Intensity (MFI) of KLRG1 on effector memory (EM) **(A)**, central memory (CM) **(B)** and TEMRA **(C)** CD8 T cells of MS patients and HD (*left*). Correlation analysis of KLRG1 expression on EM **(A)**, CM **(B)** and TEMRA **(C)** CD8 T cells with age (*right*) of HD (*n*=40), RRMS (*n*=38) and PPMS (*n*=40) patients. **(D-F)** MFI of LAG3 on EM **(D)**, CM **(E)** and TEMRA **(F)** CD8 T cells of MS patients and HD (*left*). Correlation analysis of LAG3 expression on EM **(D)**, CM **(E)** and TEMRA **(F)** CD8 T cells with age (*right*) of HD (*n*=40), RRMS (*n*=38) and PPMS (*n*=40) patients. **(G)** MFI of CTLA-4 on memory, EM, CM and TEMRA CD8 T cells of HD and MS patients. **(H)** Correlation analysis of CTLA-4 expression on memory, EM, CM and TEMRA CD8 T cells with age of HD (*n*=40), RRMS (*n*=38) and PPMS (*n*=40) patients. Data are displayed as boxplots of the median and the 25th and 75th percentile ± IQR. Statistical analysis was conducted by two-tailed Mann-Whitney test. For correlation analysis, the Pearson product-moment correlation coefficients (Pearson's R) were computed. Differences were considered statistically significant with the following *P*-values: **P* < 0.05, ***P* < 0.01, ****P* < 0.001 and *****P* < 0.0001