Figures A, B, and C show the effects of saline and nicotine pumps on alpha-4 YFP fluorescence in the MHB and Perforant Path regions.

- Figure A displays a histological section with markers for MHB and Perforant Path.
- Figure B illustrates the comparison of alpha-4 YFP fluorescence between saline and nicotine pumps in the MHB region, with n=5 for each group.
- Figure C shows a similar comparison for the Perforant Path region, also with n=5 for each group.

Statistical analysis indicates a significant difference in fluorescence levels between the saline and nicotine pump conditions in the MHB region (p=0.001).