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**Odd-frequency triplet pairing in mixed-parity superconductors**<sup>1</sup> MARIO CUOCO, PAOLA GENTILE, CANIO NOCE, ALFONSO ROMANO, GAETANO ANNUNZIATA, CNR-SPIN, I-84084 Fisciano (Salerno), Italy and Dipartimento di Fisica E. R. Caianiello, Universita di Salerno I-84084 Fisciano (Salerno), Italy, JACOB LINDER, Department of Physics, Norwegian University of Science and Technology, N-7491 Trondheim, Norway — We show that mixed-parity superconductors may exhibit equal-spin pair correlations that are odd-in-time and can be tuned by means of an applied field. The direction and the amplitude of the pair correlator in the spin space turn out to be strongly dependent on the symmetry of the order parameter, and thus provide a tool to identify different types of singlet-triplet mixed configurations. We suggest that odd-in-time spin-polarized pair correlations can be generated without magnetic inhomogeneities in superconducting/ferromagnetic hybrids with non-centrosymmetric superconductor or when parity mixing is induced at the interface. Paola Gentile, Canio Noce, Alfonso Romano, Gaetano Annunziata, Jacob Linder, Mario Cuoco, arXiv:1109.4885

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