

Abstract Submitted
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NV diamond magnetometers for bioimaging T. YEUNG, D. GLENN, D. LE SAGE, L. PHAM, P. STANWIX, L. YI, Y. ZHAO, Harvard-Smithsonian, P. CAPPELLARO, MIT, P. HEMMER, Texas A&M, M. LUKIN, A. YACOBY, Harvard, R. WALSWORTH, Harvard-Smithsonian — We are applying NV-diamond magnetometry to new tools for bioimaging, including a wide-field-of-view magnetic field imager for mapping neuronal network dynamics; functionalized diamond nanocrystals for imaging function in living cells; and super-resolution optical imaging techniques. Recent progress will be reported.

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