

Abstract Submitted
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NV diamond magnetometers for bioimaging PAUL STANWIX, MY
LINH PHAM, TSUN YEUNG, DANIYAR NURGALIEV, PAOLA CAPELLARO,
RONALD WALSWORTH, Harvard-Smithsonian — We are applying NV-diamond
magnetometry to new tools for bioimaging: (i) a wide- field-of-view magnetic field
imager for mapping neuronal network dynamics; and (ii) diamond nanocrystals for
imaging function in living cells. Initial progress will be reported.

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