

Abstract Submitted
for the DAMOP09 Meeting of
The American Physical Society

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.

Ronald Walsworth
Harvard-Smithsonian

Date submitted: 23 Jan 2009

Electronic form version 1.4