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**Title of the abstract.**

First Author1, Second Author2, Third Author3

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3*Third author affiliation.*

The main body of the abstract goes here. It is expected that the authors give a short background about the topic being investigated and then explain the most relevant techniques used and the main results achieved. Main body should not exceed 300 words. References should be indicated by a superindex1 and it is recommended to used Nature formatting to keep the same format through all the abstracts. Equations and figures (see Fig. 1 as an example) can be included in the abstract, but there is a limit of one page per abstract. Please indicate if you wish to contribute with a talk or a poster.



*Fig. 1. (a) SEM image of CoFeB/Ta (red/blue) LSV. (b) Voltage V measured in LSV configuration, and AHE measured in 1 and 2, when magnetic field is ramped up. (c) AFM probe with a MB.*

1. Corte-León, H. *et al.* Detection of a magnetic bead by hybrid nanodevices using scanning gate microscopy. *AIP Adv.* **6,** 056502 (2016).