

OPPORTUNITY FUND 2017 REVIEWER COMMENTS

PI: Casanova, Joaquin

Title: Wireless Sensor System for Beehive Health Monitoring

Reviewer #1

Strengths of Proposal:

- Health of bee colonies may have a huge impact on everyone's lives through their critical role in agriculture.
- PI and Co-PI are from different disciplines and proposal includes multidisciplinary work.
- PIs have good expertise in most of the areas of research proposed.

Weaknesses of Proposal:

- Too much of the proposed work sounds like system integration.
- There are already similar systems proposed in other countries.
- PIs do not seem to have a strong background on the types of image processing and/or machine learning necessary for that part of the proposal to be successful.

General Comments:

Overall, I feel that the proposed work is very important but not necessarily very innovative. I recommend that the PIs seek other funding sources for this work.

Reviewer #2

Strengths of Proposal:

Propose building a probably useful device for monitoring bee-hive heat and activity. Project might have commercial use, assuming there is a market for such a device if build in a way that makes it accessible. The project does have some weakly interdisciplinary character.

Weaknesses of Proposal:

The proposal clearly states the need of a device to monitor bee hive activity and health. The proposed device does not have anything particularly innovative. All the technology to be used is available and mature. In proposing to build an electronic measuring device, the project is trivially multidisciplinary, by combining electronic expertise with some need in some other research field.

General Comments:

Project with potential commercial value. Does not present compelling originality and a novel conceptual, interdisciplinary approach.