**Introduction**

Hurricane Maria (September 2017), caused extensive indoor wind- and water-damage to homes throughout Puerto Rico. This environmental hazard increases the risk for household occupants to chronic exposures to indoor pollution, which can result in chronic immune reactivity. Preliminary studies found that indoor dust from fully flooded homes induced less pro-inflammatory potential than non-flooded water damage homes (Rivera-Mariani et al. 2019, SOT, DOI: 10.7490/f1000research.1116637.1). We hypothesize that indoor dust from fully flooded homes possess immunosuppressive potential.

**Methods**

**Results**

**Conclusion**

- Although not statistically significant, possibly due to sample size, our findings suggest that settled dust extracts from flooded regain pro-inflammatory potential when diluted. This suggest the existence of immunoinhibitory potential in less diluted extracts.

**Future Studies**

- Future studies will,
  - evaluate induced epigenetic changes by undiluted and diluted settled dust soluble extracts
  - identify immuno inhibitory components of biological and non-biological origins.

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**Conflict of Interest**

- The authors have no conflict of interest to disclose.