We developed novel GPT measuring methods, obtained the first GPT data in wild forest elephants, and modeled elephant-mediated seed dispersal shadows based on GPT and elephant movement data.

The role of forest elephants as seed dispersers has been underestimated and underappreciated.

African forest elephants (*Loxodonta cyclotis*) are important seed dispersers in tropical forests and influence the floral community structure. Seed dispersal pattern is determined by: 1) gut passage time (GPT) and 2) movement patterns of the seed dispersers.

- 99% of seeds fall within 15 km.
- The continued loss of forest elephants will be detrimental to tropical forest structure.

**Future Directions**
- Impacts of elephant ingestion on seed germination, seedling growth & survival
- Effects of seed predation in elephant dung on post-dispersal seed survivorship

**References and Acknowledgements**
Scan to see references and acknowledgements!