

### Background

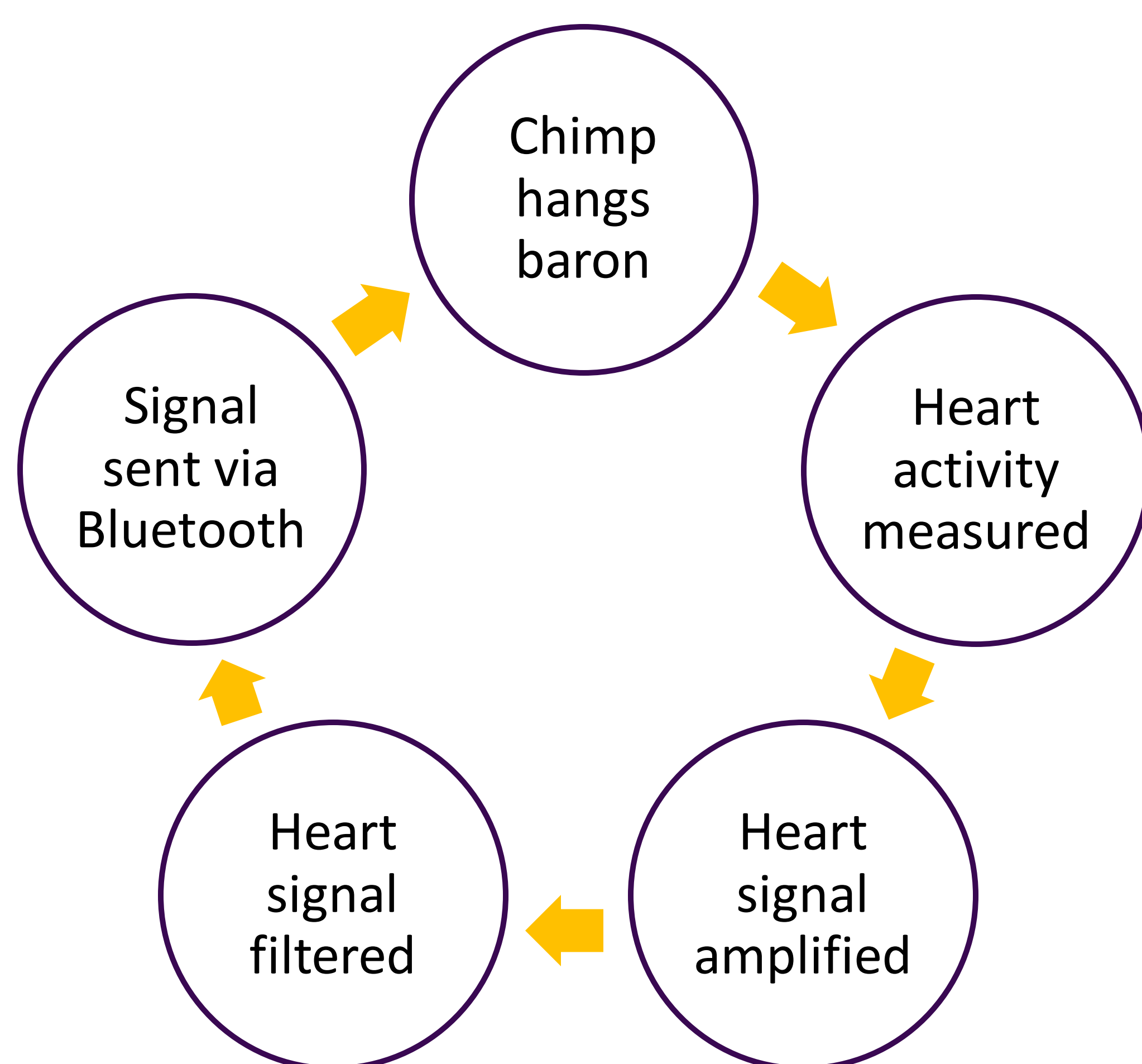
An **electrocardiogram (ECG)** is a recording of the heart's electrical activity used to monitor health. Like in humans, an ECG can be done for Chimpanzees, however this traditionally requires general anesthesia and is generally an extremely time intensive process.

The Maryland Zoo needs a way to take ECG readings of chimps regularly and non-invasively.

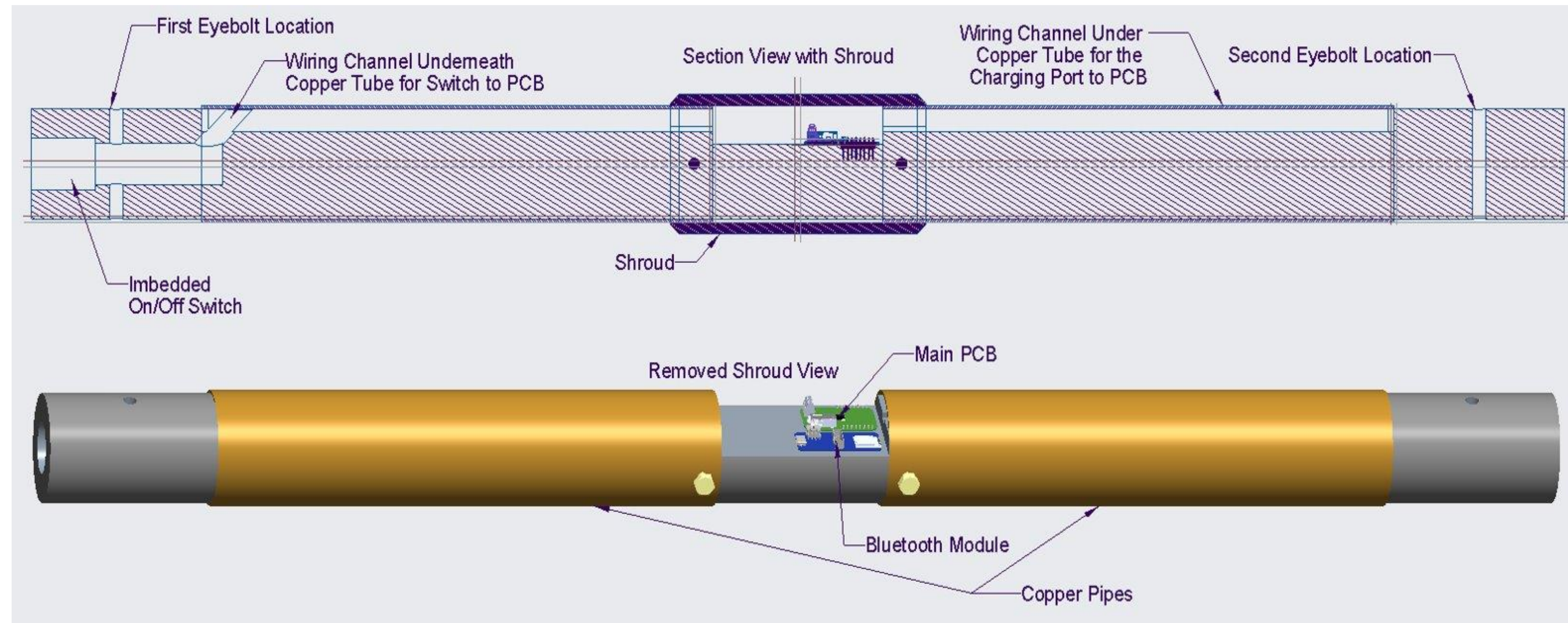
### Design Features

- No anesthesia
- Natural behavior
- Wireless

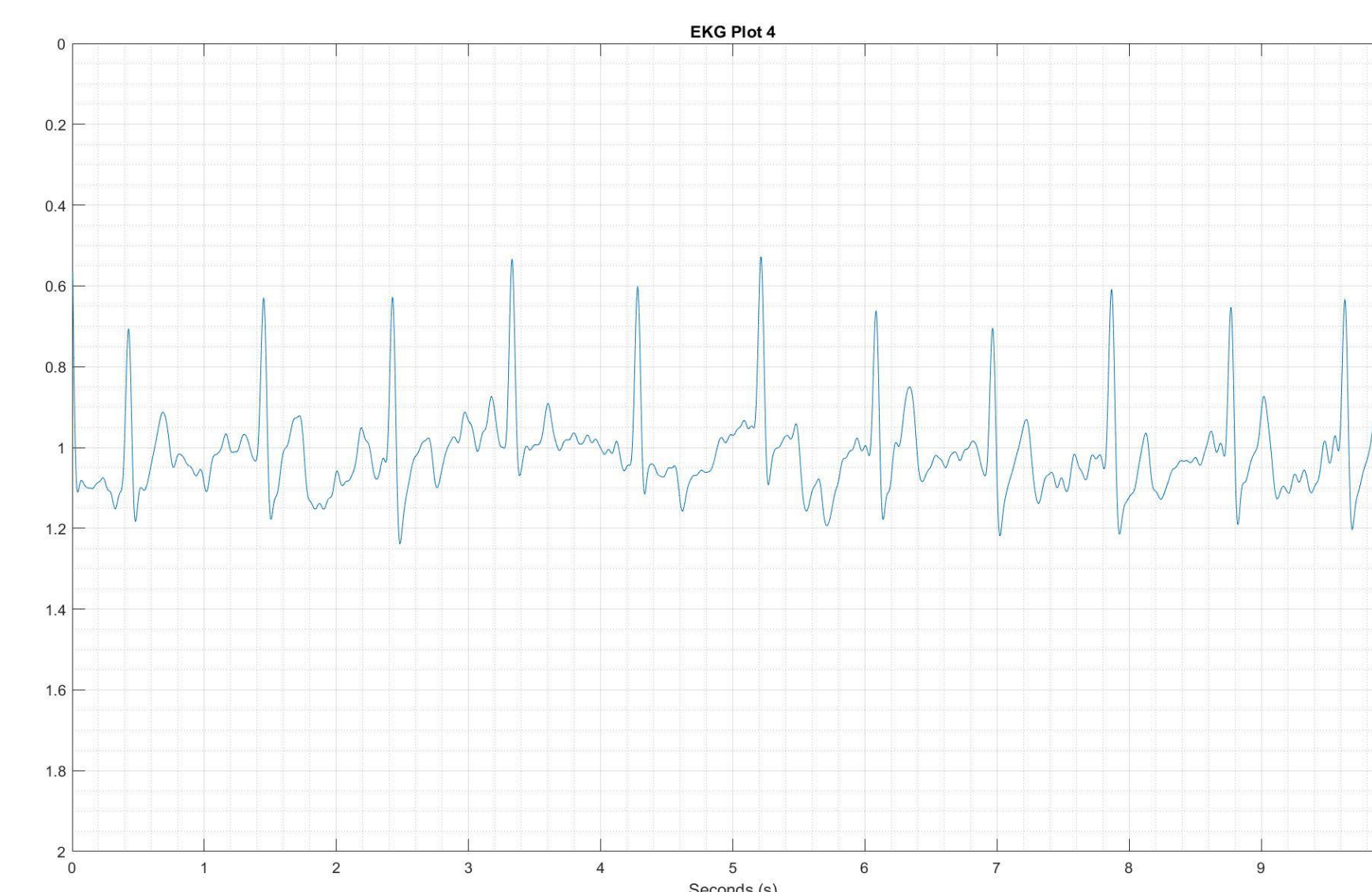
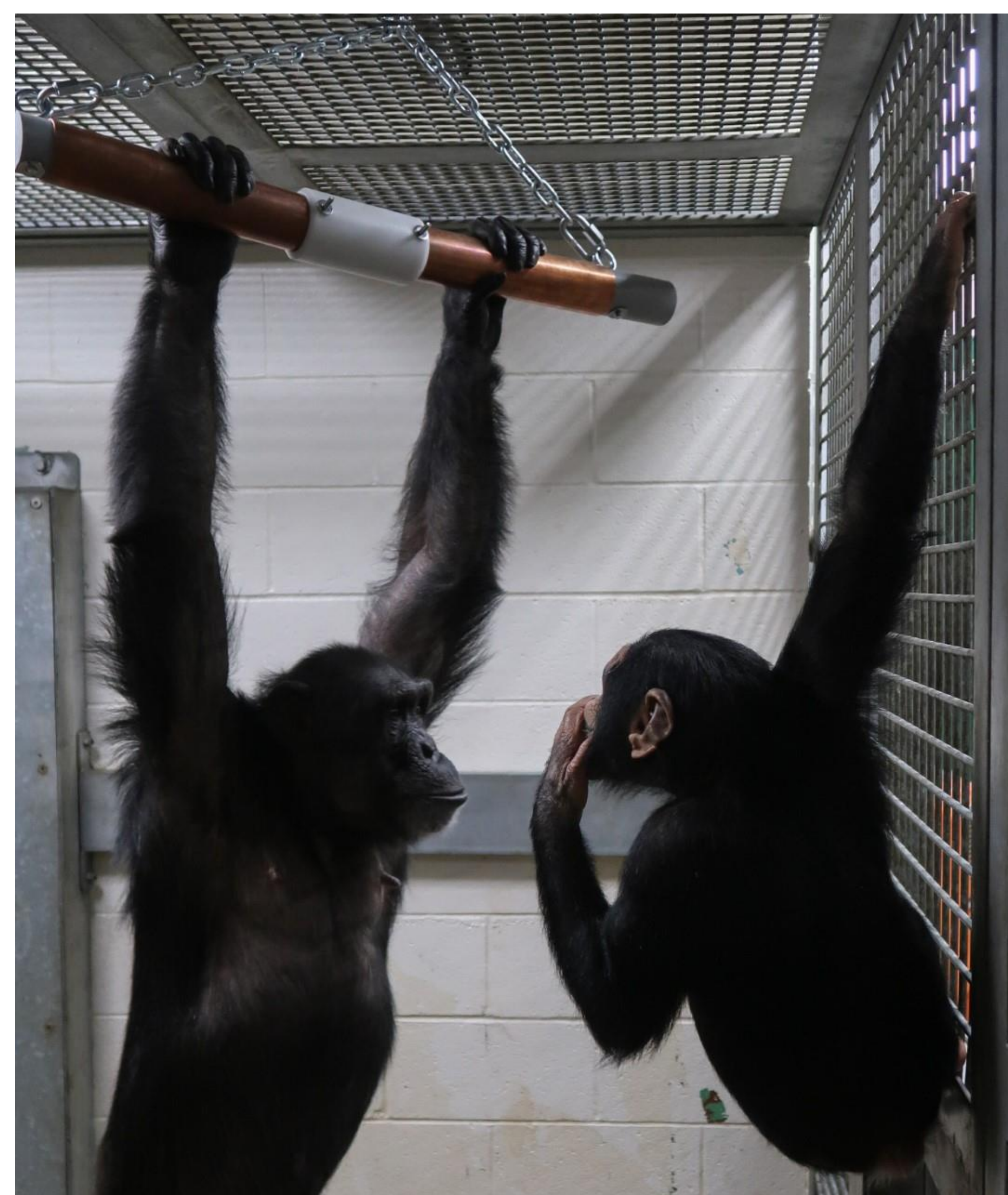
### Recording the ECG



### Our Solution: Hanging Bar for ECG Readings



### Testing Results



### User Interface for Zookeepers

### Acknowledgments

- Maryland Zoo, Project Partner
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