Meeting with Jon Epstein

Collars

Hello, very excited to collaborate on this project.

What is your collar attachment method?

What are the materials and how do you assemble them?

How much do your collars weigh? Shooting for ~5gs max.

How long do your collars last?

How does collar design intersect with study design? i.e. Argos, we want out there as long as possible

Any tips/tricks for putting them on?

Any differences between species/roosting habits?

Tech

Attachment brackets, antennae direction, visual

Antennae pointing down, perpendicular

Can flip up if attached up/down

Eobs

-device is parallel with collar, antennae travels down the bats back, two loops on each short side

-nylon suture to attach transmitter to collar

-gut suture – biodegradable to attach collar to bat (will eventually weather and fall off)

(months)

* Veterinary supplier (Henry Shein) – jon can order if not - thickness
* 0 is thickest, comes attached to needle

Lotek

* Can

Wipstich nylon onto cat collar

Superglue to glue down to collar also

Anestitize bats to stitch

Size to make sure it isn’t going to slip over the head

Petco small cat collar – cut off buckle, burn ends

Pre mount units onto collars

Stick a pencil inbetween the collar and trachea

Find a materials engineer in the engineering department

Could be other materials that could degrade over a shorter period of time

What’s contacting the bats skin and fur, what is irritating/abrasive