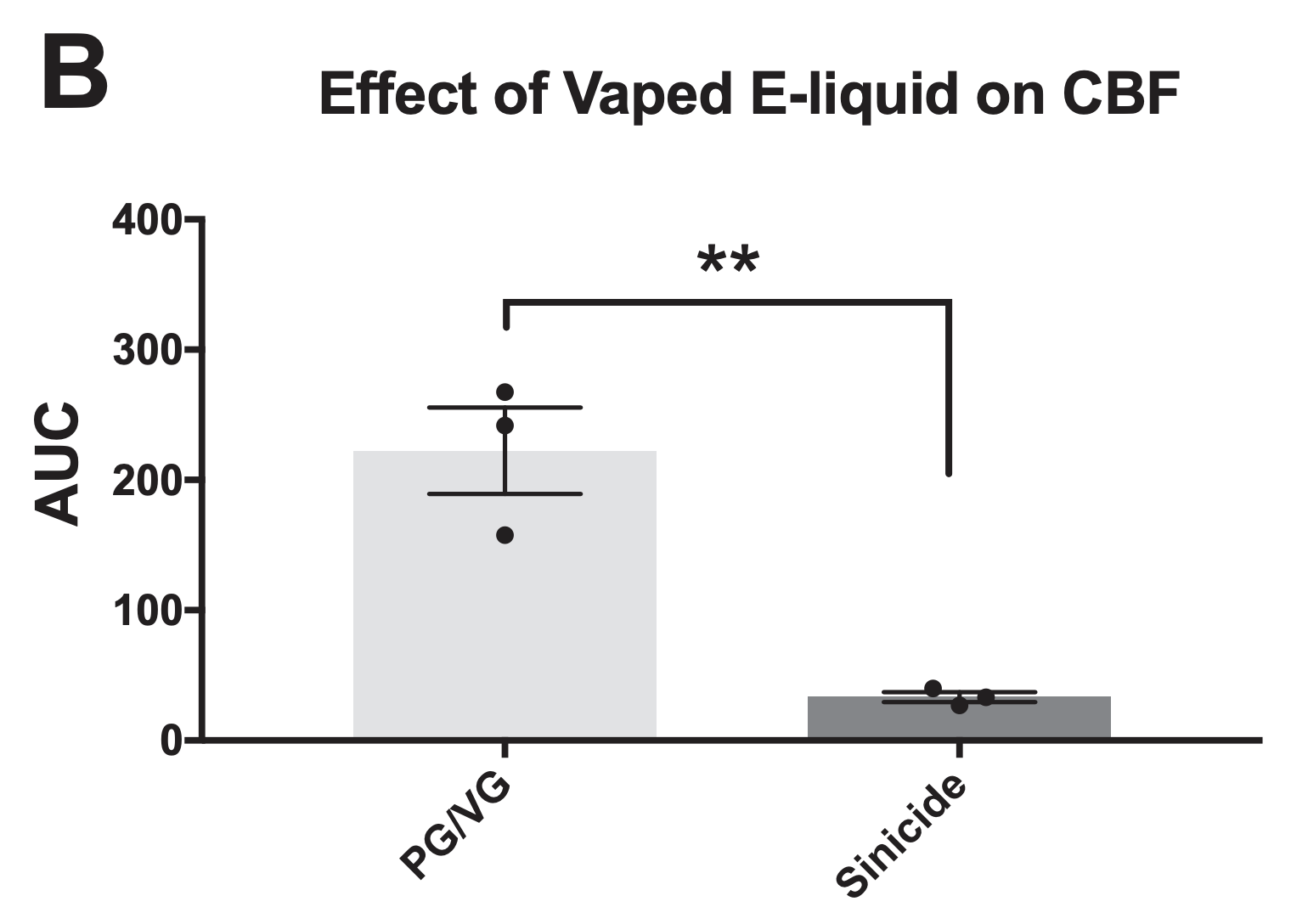
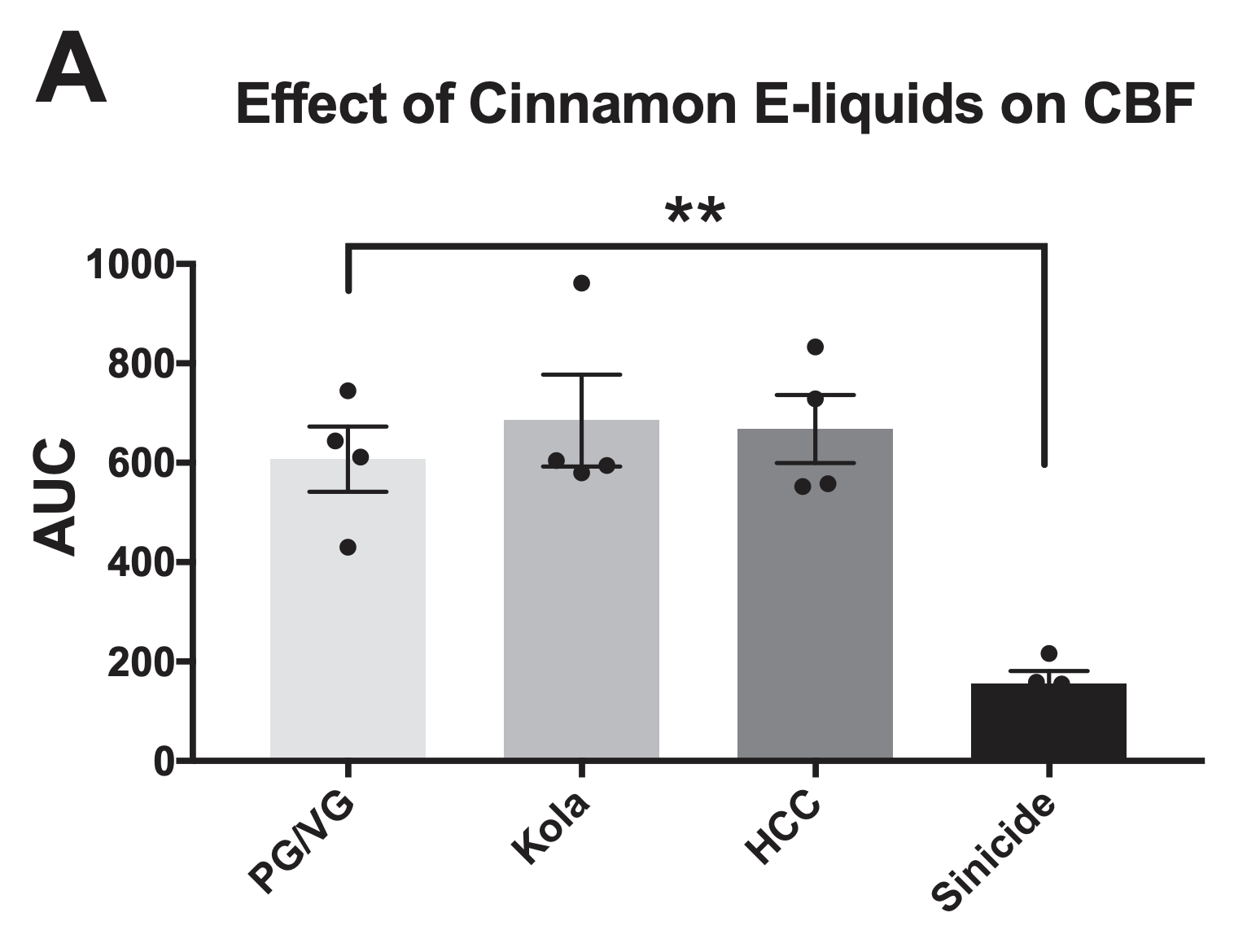
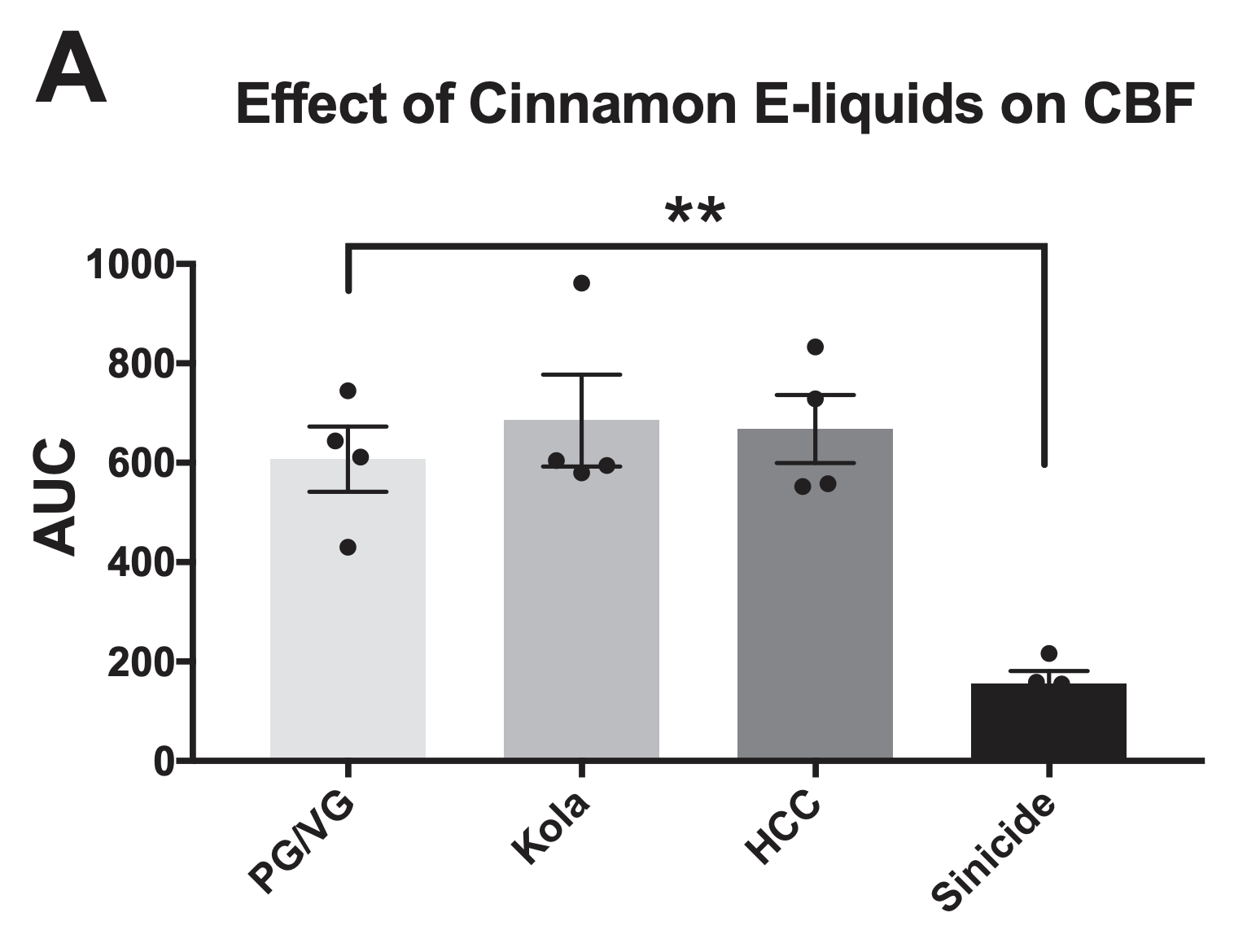
**Team #1**

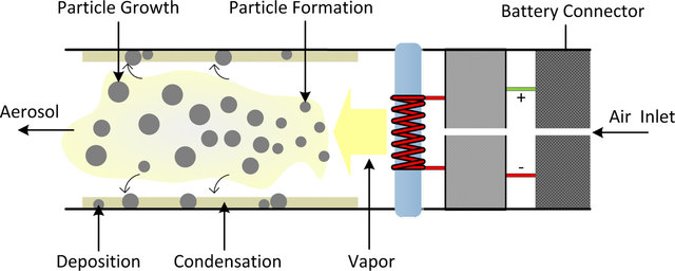
Team Members:

**What are the effects of Sini-cide e-liquid and aerosol on cilia beat frequency?**



**Aerosol**

**E-Liquid**



**Total Ciliary Beat Frequency (CBF)**

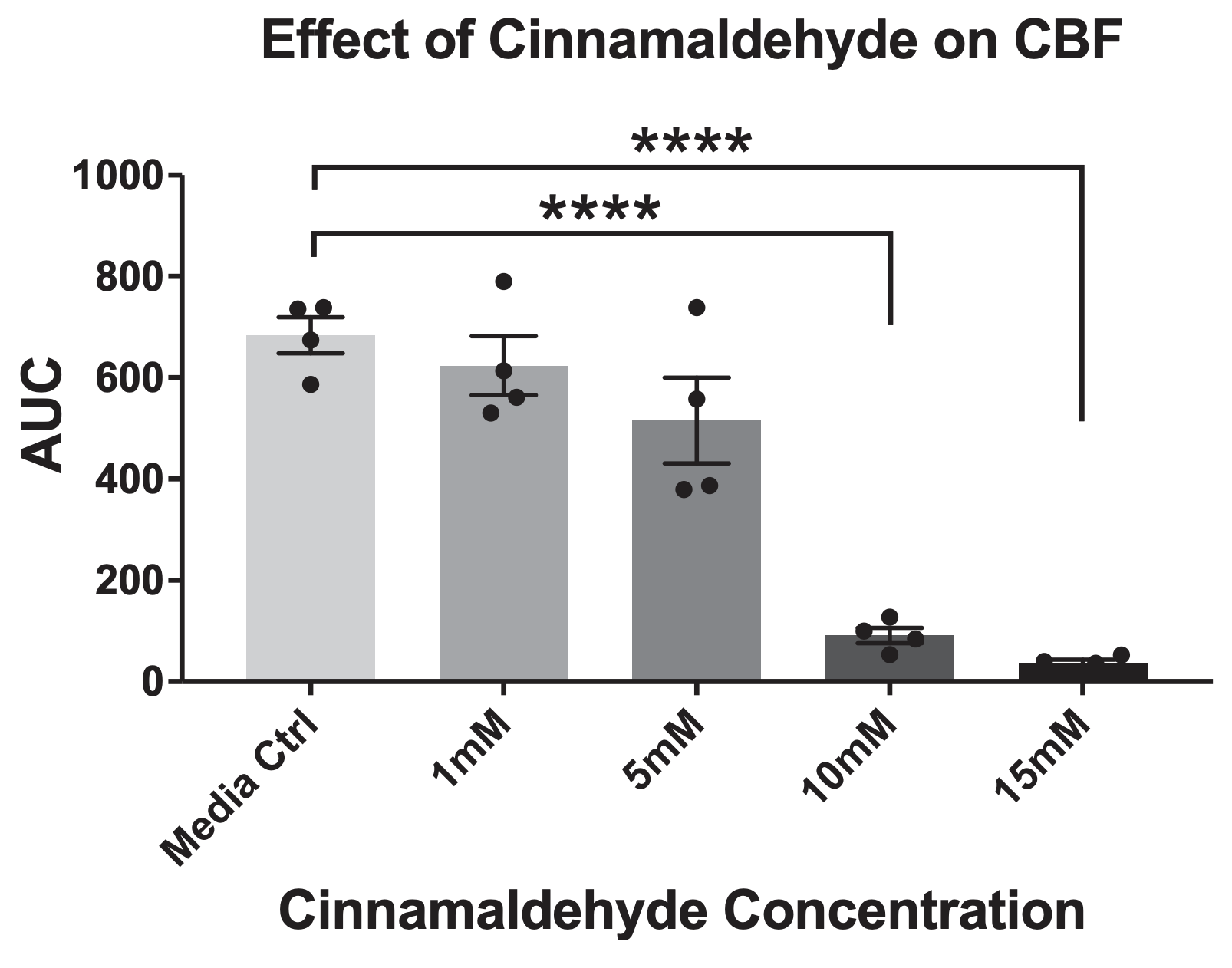
Observation / Conclusions:

**Team #2**

Team Members:

**How does the concentration of cinnamaldehyde impact cilia beat frequency?**

**Total Ciliary Beat Frequency (CBF)**



Observation / Conclusions:

**Team #3**

Team Members:

**How does the concentration of cinnamaldehyde impact mitochondrial function?**

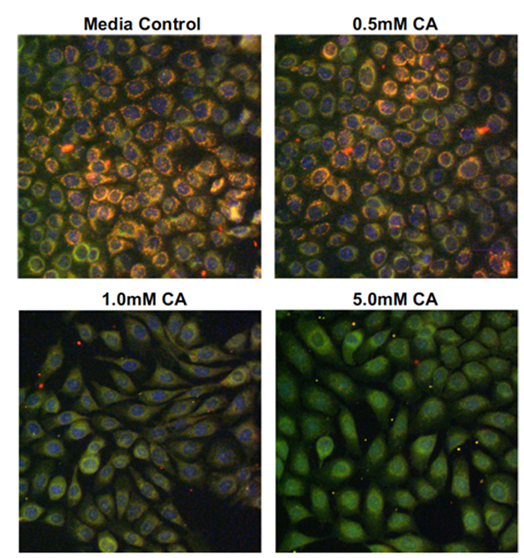
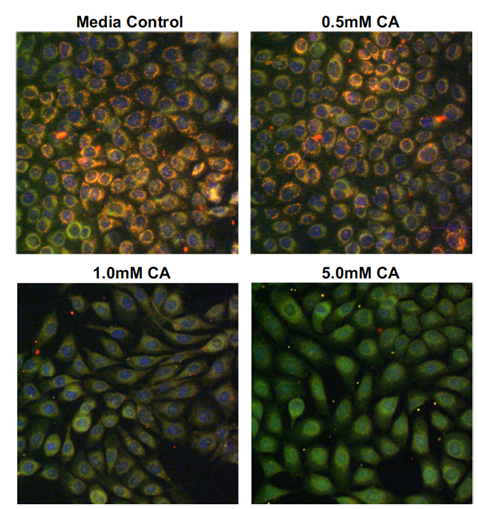
Human lung epithelial cells were exposed to **different concentrations of cinnamaldehyde (CA)** and then **mitochondrial function** was measured.

**Red** = High functioning mitochondria

**Green** = Low functioning mitochondria





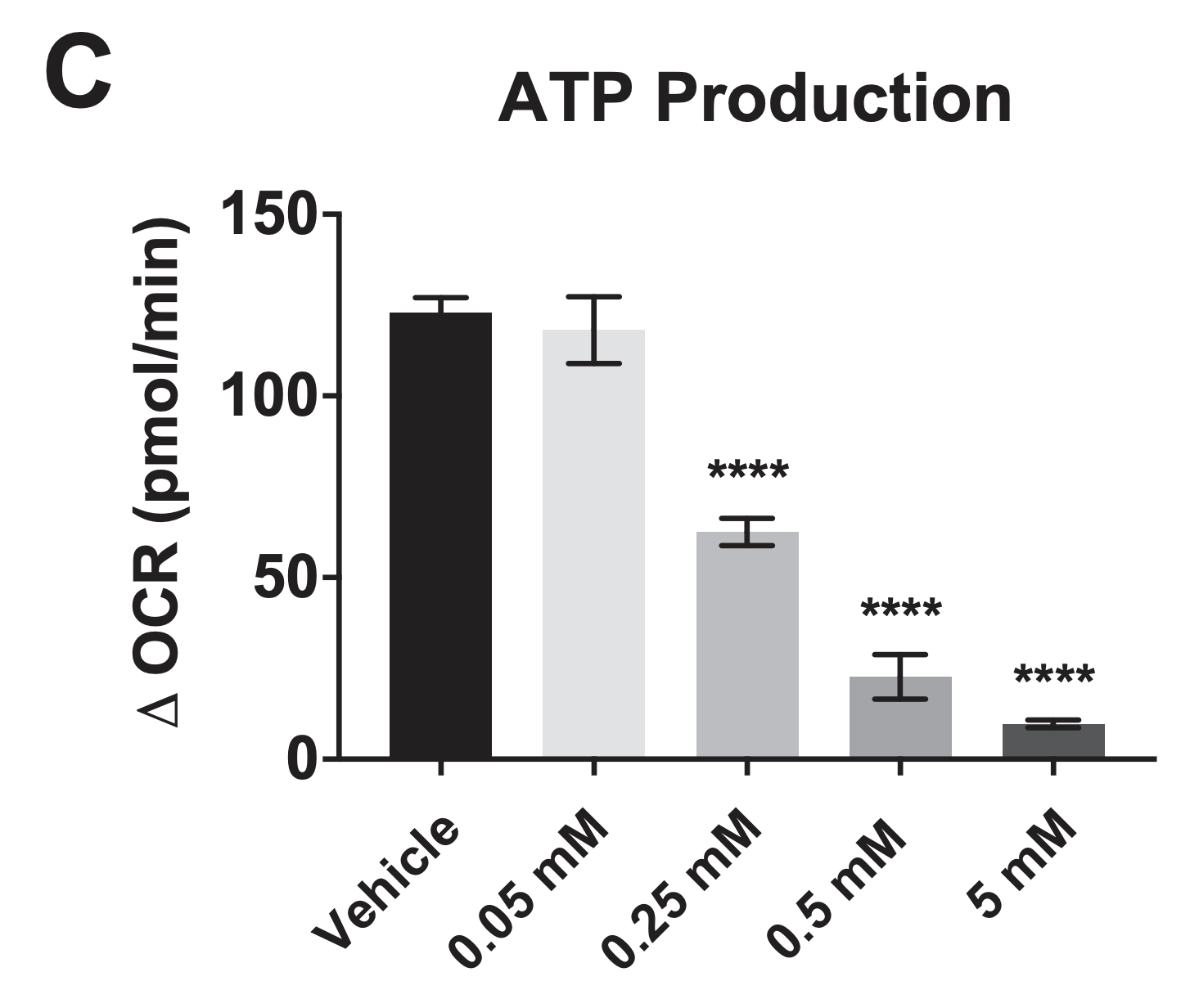


Observation / Conclusions:

**Team #4**

Team Members:

**How does the concentration of cinnamaldehyde impact ATP production?**



**ATP Concentration**

**0.25**

**0.5**

**5.0**

**Cinnamaldehyde Concentration (mM)**

**0**

**0.05**

Observation / Conclusions: