Exercise 1: Copy-edit each of these sentences

1. In addition to using true body mass and standard skeletal measures as proxy for body size, these relationships are further tested by including humeral, femoral, and tibial midshaft cortical area.

2. It is thought that the first step is the rate-determining step in transpeptidation.

3. Although morphologically very distinct, there is no high bootstrap support separating *P. longipes* and *P. campanularia*.

4. ETR1 encodes a histidine kinase and its N-terminal has been shown to possess high-affinity binding properties to the gas ethylene. Also, ETR1 has been found to act as a dimer that localizes to a cellular membrane system (Bleecker et al. 1995).

5. In addition, we were also able to retrieve the “signature positions” known to distinguish Bacteria from Eucarya.

6. *P. campanularia* exhibits wide range of corolla morphology. Gillett recognized this by assigning subspecies status to two morphologies at the extreme ends of this range.

7. Hair cells occasionally divide by an anticlinal division; when this happens, one daughter remains a hair cell whereas the other differentiates into a non-hair cell.

8. One role that is of particular interest to this grant is the role of the TSCs at the NMJ in the maintenance and survival of this synapse. *Note: "this synapse" here refers to "NMJ".*

9. Taking all these responses to predators, there is a general pattern that predation risk increases the costs of courtship and being choosy.

10. Predation risk causes a reduction in the investment in courtship, which may result in an overall reduction in the variance of courtship.

Exercise 2: Copy edit and shorten by 10% (~9 words)

The Sonic Hedgehog (Shh) pathway has been studied for several decades; however, few transcriptional targets are known. In addition, the identification and characterization of enhancers that regulate Shh-target genes remain poorly described. The mouse limb, amenable to genetic, molecular, and embryological manipulation, is an excellent model system to study transcriptional regulatory networks. The goal of my research is to determine how Shh mediates the formation of skeletal elements in the mouse limb by defining the broader transcriptional output, identifying enhancers that integrate Shh signaling, and defining gene regulatory mechanisms.

Suggested revisions for Exercise 1:

1. In addition to using true body mass and standard skeletal measures as proxy for body size, we further test these relationships by including humeral, femoral, and tibial midshaft cortical area.

2. The first step is thought to be rate determining in transpeptidation. *Or:* The transpeptidation rate seems to be determined by the first step.

3. Although morphologically very distinct, the species *P. longipes* and *P. campanularia* don't separate with high bootstrap support. *Or: P. longipes* and *P. campanularia* are morphologically very distinct, but their separation does not have high bootstrap support.

4. The gene *etr*1 encodes a histidine kinase whose N-terminal binds with high affinity to the gas ethylene. This kinase also acts as a dimer that localizes to a cellular membrane system (Bleecker et al. 1995).

5. In addition, we were able to retrieve known positions that distinguish Bacteria from Eucarya.

6. *P. campanularia* exhibits a wide range of corolla morphology. Gillett recognized this wide range by assigning subspecies status to two morphologies at its extreme ends. *Or:* Recognizing this wide range, Gillet assigned subspecies status to two morphologies at its extreme ends.

7. Hair cells occasionally divide by an anticlinal division: one daughter remains a hair cell whereas the other differentiates into a non-hair cell.

8. Of particular interest to this grant is how TSCs contribute to the maintenance and survival of the NMJ.

9. Considering all these responses to predators, we observe the general pattern that predation risk increases the costs of courtship and being choosy.

10. Predation risk causes a reduction in the investment in courtship, and may result in an overall reduction in the variance of courtship.