

Assignment (10 points) Sept 22, 2015

DUE DATE: OCT. 8, in class before class is over

(HARD COPY print out or must be emailed and received before class is over)

Cooper's section of BIOLOGY 139- ANATOMY & PHYSIOLOGY-2

Write an abstract or a short article on a topic of interest related to current literature on the topic of choice or something relevant you recently read or heard in the news related to physiology.

The topic can be health related or comparative physiology topic.

The style is like a newspaper report: Write a **<500 word article** for the public, i.e. newspaper or magazine. This means in layman terms but then bring the topic **up to a scientific audience** as well.

Points: This is worth 10 points as an assignment. This grade is not a replacement for the lowest quiz grade. So it is a **REQUIRED** assignment. This is worth 10 points. Also I will select these later in the semester and the author will share their "article" with the class for discussion. (I'll give you fair warning on what days this will happen so you will know to come to class.)

Format:

1. State your topic of interest
2. Why this is of interest to you
3. The physiology behind this topic
4. What one (or the researchers) have learned from the findings
5. Has this topic/new information opened new doors for investigation?
6. Significance of the content.

A real good format to look over are the News blasts from

<http://www.sciencedaily.com/>

If you don't already subscribe to Science Daily **YOU SHOULD !!!**

You will learn a lot each morning while you are having coffee or when you are bored with my lecture get out your smart phone and read the latest topics you have in your in box from Science Daily.

Also for Comparative physiology topics are acceptable.... if this topic excites you

Check out various journal table of content web pages.

You can search topics by www.pubmed.gov

Some journals listed below might be good to use.

The Journal of Physiology (based in London England) <http://jp.physoc.org/>

See all the various specific types of journals below (hot linked).

If you find an article of interest and you cannot get the full article email me the link to the abstract and I will try to get the full article and email you the PDF)

<http://www.physiology.org/> (USA based Physiology journals)

- [Physiological Genomics](#)
- [Journal of Applied Physiology](#)
- [Journal of Neurophysiology](#)
- [Physiological Reviews](#)
- [Physiology](#)
- [Advances in Physiology Education](#)
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American Journal of Physiology

- [Cell Physiology](#)
- [Endocrinology and Metabolism](#)
- [Gastrointestinal and Liver Physiology](#)
- [Heart and Circulatory Physiology](#)
- [Lung Cellular and Molecular Physiology](#)
- [Regulatory, Integrative and Comparative Physiology](#)
- [Renal Physiology](#)

Journal of Comparative Physiology A

<http://www.springer.com/life+sciences/animal+sciences/journal/359>

Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology

<http://www.journals.elsevier.com/comparative-biochemistry-and-physiology-part-a-molecular-and-integrative-physiology/>

If you have any questions on this assignment let me know.

Yours,
Robin Cooper