

Creative Discovery Project Day 1 HW - Literature Assignment - Update - fillable

Saturday, October 24, 2020 2:26 PM



Creative Discovery...

**Assignment for Module 9 Discussion – IB35AC – Fall 2020**  
**Compare and Contrast Research Articles; Due Before Module 10 Discussion**  
**8 points, each individual group member will hand in this assignment**

Review Article (2 pt)

**Reference in APA format:**

Quillen, E.E., Norton, H.L., Parra, E.J., Lona-Durazo, F., Ang, K.C., Illiescu, F.M., Pearson, L.N., Shriver, M.D., Lasisi, T., Gokcumen, O. and Starr, I. (2019). Shades of complexity: New perspectives on the evolution and genetic architecture of human skin. *American Journal of Physical Anthropology*, 168, 4-26. doi: <https://doi.org/10.1002/ajpa.23737>

1. Explain the relevance of, and what you learned from, this article in no more than 3-5 sentences.

The article shows how the history of populations can have a large effect on specific genes. Through sexual selection & ability to survive to be reproductive age, certain gene mutations become more common.

Research Article #1 (2 pt)

**Reference in APA format:**

Martin, A.R., Lin, M., Granka, J.M., Myrick, J.W., Liu, X., Sockell, A., Atkinson, E.G., Werely, C.J., Möller, M., Sandhu, M.S. and Kingsley, D.M. (2017). An unexpectedly complex architecture for skin pigmentation in Africans. *Cell*, 171(6), 1340-1353. doi: <https://doi.org/10.1016/j.cell.2017.11.015>

2. Explain the relevance of, and what you learned from, this article in no more than 3-5 sentences.

This article emphasizes how skin pigmentation is the result of a variety of factors, rather than just a few genes. Population locations seem to play a large role in the pigmentation of their population.

Research Article #2 (2 pt)

**Reference in APA format:**

Adhikari, K., Mendoza-Revilla, J., Sohail, A., Fuentes-Guajardo, M., Lampert, J., Chacón-Duque, J.C., Hurtado, M., Villegas, V., Granja, V., Acuña-Alonzo, V. and Jaramillo, C. (2019). A GWAS in Latin Americans highlights the convergent evolution of lighter skin pigmentation in Eurasia. *Nat Commun* 10, 358. doi: <https://doi.org/10.1038/s41467-018-08147-0>

3. Explain the relevance of, and what you learned from, your article in no more than 3-5 sentences.

Pigmentation traits can be shared between distant populations if they are put through similar evolutionary pressures. Eurasians in particular seem to share lighter pigmentation.

4. (2 pts) - What might be a benefit of peer-reviewed literature as a form of science communication? What might be a drawback of this type of literature?

Peer reviewed literature can be helpful because it ensures that the information is accurate & meaningful. A drawback might be that it can be difficult for everyone to read & process the information.