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BIOL 294-Genetics
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Writing Assignment 2- Article Types

A primary article or source is written firsthand by the person doing the experiment, living the experience, or directly involved with what is being relayed or written about. It a researcher providing the details or results of an experiment or a fire fighter talking/writing about the fire they just put out, or a pilot talking about a storm they just flew through.

A review or secondary source is written by someone repeating experience that someone else lived through or research completed by a different researcher. It would be like someone repeating what the fire fighter or pilot went through or summarizing and repeating the experiment and results another researcher compiled.

The scientific peer review process is where a author submits a paper to be reviewed it goes through a vigorous process and in the end is either accepted or returned to the author to correct or be revised or outright rejected. The paper is first submitted to a journal and reviewed by an editor to determine if it fits with the journal, it is being submitted to. It is then either accepted or refused. After it is accepted by the editor it is then sent to the reviewers who review it for accuracy and quality. At this stage it is either accepted, returned to be revised, or outright refused. Per my Marine Ecology professor Dr. Massamba N'Siala last semester this cycle can repeat several times before the paper is ultimately accepted to be further reviewed or outright refused. If accepted it is published, if returned for revision then it can be revised and submitted

again. If it is rejected, then the author can rewrite it trying to correct it for accuracy or whatever it was rejected over or find another journal that it may fit with better. If it was sent back for revisions, then resubmitted it will go back to peer reviewers and is either accepted and published or rejected.

Of the 2 articles we reviewed the one titled 'Rapid and Sensitive Detection of SARS-CoV-2 Using Clustered Regularly Interspaced Short Palindromic Repeats' is the primary article and has been peer reviewed it shows on the left side margin it was received February 6th 2021, and then accepted on February 24st 2021 and published February 27th 2021. This is an article written by the researchers conducting the research and while it cites other studies it is primarily about the research they were conducting. The line "We obtained NR-52286 and NR-52349 samples from the BEI Resources (Manassas, VA, USA)." Reflects it is first person not secondary. It shows the method of the experiment and the data that was collected from it by the authors. The review article is 'Development of clustered regularly interspaced short palindromic repeats/CRISPR-associated technology for potential clinical applications' the reason is it relays someone else's research there is a line in the paper "In CRISPR/Cas systems, researchers have discovered various Cas proteins with different characteristics." This line reflects that it is someone relaying someone else's data or experience. This paper was also peer reviewed as stated on the left margin. It gives who peer reviewed and the process used to peer review it.