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Biology 294

Writing Assignment #1

A primary article is an original scientific report by those with new research findings. It typically contains Introduction, Methods, Results and Discussion sections to refer to the process carried out by the researchers, as well as the references they used. A primary article has also been reviewed by expert peers and usually published as scientific articles. It will contain higher level vocabulary relevant to the subject being researched with other researchers as the audience in mind and includes original data in tables and charts.

A review article is a summary of multiple studies on the same topic. It synthesizes the results of existing research on a topic and analyzes it, it’s not just the review of one article. It wont present any experimental results, instead it will give an overview of the topic based on multiple sources. It’s a way to introduce researchers to a subject instead of being an in depth analysis by one specific researcher

The scientific peer review process begins with scientists compiling their research into an article, including the criteria of a primary article as previously stated, and submitting it to the scientific community, for instance to a scientific journal. It is then vetted by a community of peers, other scientists who are familiar with the subject and can understand the implications of the findings or verify them. They then review the information and approve it or maybe suggests edits. Once it’s been collectively reviewed by the community and approved, it can then be published and used to conduct further research or draw new conclusions.

“*Huntington’s Disease Mechanisms* *of Pathogenesis and Therapeutic Strategies”* is a review article, because it discusses the disease in summarization drawing on several sources who all studied the same topic. Where “*Permanent inactivation of Huntington's disease mutation by personalized allele-specific CRISPR/Cas9”* is a primary article as it is being published by the researchers who conducted the study and lists their methods, results, discussion and includes raw data.