

Biochemistry Project

GUIDELINES: MLA format accepted. 3 pages plus work cited page. 12 font Times New Roman.

The project will be to write a critique of a scientific paper from an academic journal. Imagine that you are reviewing the article as an editor for a biochemical academic journal, such as the *Annual Review of Biochemistry* or *Trends in Biochemical Science*. The critique will be evaluated on how well you address the following points and how well you follow a scientific writing style. Make sure that your critique answers the following questions.

- Who were the authors of the paper?
- What was the overall purpose of the study?
- Were the methods used by the authors appropriate and were all of the required controls run?
- What were the authors' conclusions?
- What data were most important in allowing the authors to make their conclusions?
- Given the data, were the conclusions made in the paper understated, overstated, or appropriate?
- Was the paper well written? Scientifically? follow sources you found about good scientific paper.
- Did you enjoy the paper? Why or why not?
- Based on your above discussion, would you have recommended that this paper be accepted for publication? Give an outline of your reasoning.
- Include a picture of search engine you use and of the scholarly article you found using search words. (do not copy paste the article you found into the search bar-use words)
- You can cite books that talk about how to write a good scientific/research paper.
- Use up to 4 sources, cite them MLA format

Questions to help you.

1. Hypothesis/goals stated
2. Methods/experimentation conducted ethically sound? adequately large sample size?
3. Observations made/statistical analysis conducted
4. Conclusion/discussion/results align with statistical analysis? tie to the literature review and other studies? Ie. (**Polysaccharides, Lipids, DNA Synthesis, DNA Mutation and Repair, DNA Technologies, RNA Synthesis and Transcription, Protein Synthesis, Protein Form and Function or Protein Transport**)
5. Future research proposed does it fill in the gaps from the study?
6. Literature review/references cited recent studies? how aligned is the study with the other research? were critiques of other research considered in the paper?

Major Project Checklist

- I have guarded against plagiarizing any of my sources.
- I have used headings in my project.
- I have edited the paper for its readability.
- I have checked the spelling in my project.
- I have checked the grammar in my project.

Example of scholarly database is attached.

Web of Science [v.5.32] - Web of Science Core Collection Results

☐ Open Access (15,136) [Refine](#)

Publication Years ▲

- ☐ 2019 (542)
- ☐ 2018 (2,042)
- ☐ 2017 (1,841)
- ☐ 2016 (1,794)
- ☐ 2015 (1,835)

[more options / values...](#) [Refine](#)

Web of Science Categories ▲

- ☐ BIOCHEMISTRY MOLECULAR BIOLOGY (32,138)
- ☐ CELL BIOLOGY (8,901)
- ☐ BIOPHYSICS (4,495)
- ☐ GENETICS HEREDITY (1,771)
- ☐ BIOCHEMICAL RESEARCH METHODS (1,496)

[more options / values...](#) [Refine](#)

Document Types ▲

- ☐ ARTICLE (23,313)
- ☐ REVIEW (8,725)

23. **Multiple Recycling Routes: Canonical vs. Non-Canonical Mitophagy in the Neuron**

By: Moyzis, Alexandra; Gustafsson, Asa B.
BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE Volume: 1865 Issue: 4
 Special Issue: SI Pages: 797-809 Published: APR 1 2019

[Full Text from Publisher](#) [View Abstract ▼](#)

Times Cited: 2
 (from Web of Science Core Collection)

[Usage Count ▼](#)

24. **Extracellular matrix-mediated regulation of cancer stem cells and chemoresistance**

By: Brown, Yazmin; Hua, Susan; Tanwar, Pradeep S.
INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY Volume: 109 Pages: 90-104
 Published: APR 2019

[Full Text from Publisher](#) [View Abstract ▼](#)

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25. **Insights from the crystal structure of the chicken CREB3 bZIP suggest that members of the CREB3 subfamily transcription factors may be activated in response to oxidative stress**

By: Sabaratnam, Keshalini; Renner, Max; Paesen, Guido; et al.
PROTEIN SCIENCE Volume: 28 Issue: 4 Pages: 779-787 Published: APR 2019

[Full Text from Publisher](#) [View Abstract ▼](#)

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26. **Vitamin E intestinal absorption: Regulation of membrane transport across the enterocyte**

By: Reboul, Emmanuelle
IUBMB LIFE Volume: 71 Issue: 4 Special Issue: SI Pages: 416-423 Published: APR 2019

[Full Text from Publisher](#) [View Abstract ▼](#)

Times Cited: 1
 (from Web of Science Core Collection)

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27. **Drosophila Mediator Subunit Med1 Is Required for GATA-Dependent Developmental Processes: Divergent Binding Interfaces for Conserved Coactivator Functions**

By: Immarigeon, Clement; Bernat-Fabre, Sandra; Auge, Benoit; et al.

Times Cited: 0
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