

BROOKLYN COLLEGE
Department of Chemistry
TERM PAPER
Fall 2001

Chemistry 57.1
Chemistry 757.1G

Due Date: Tuesday,
December 4th, 2001
(Before 7:30 p.m.)

Dr. Davenport

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Introduction

The term paper is worth 25% of your total course grade, and therefore you must treat this assignment as if you were preparing for an examination. Do NOT leave it until the week before the due date. You have ALL semester to work on this assignment and the quality of your work must reflect this. Unlike an examination, the term paper allows you the freedom to express yourself and your interest in a given scientific area.

What You Have To Do

Please choose a research article from a scientific journal, published during the period January 1st, 2000 - June 30th, 2001. (e.g. Journal of Biological Chemistry, Biochemistry, Journal of Molecular Biology - please do not use Scientific American Articles or other 'popular' journals). The content of the article must (of course) be biochemical in nature. Having decided on your article, please structure your term paper in the following way:

1. **Title and Reference of the Article**

2. **Aim and Introduction**
This will include a brief overview of the research to date (i.e., a perspective of the research). Also the question(s) which the authors are asking must be clearly stated in your paper.

3. **Methods**
Describe (in detail) how the authors carried out their research (i.e., if they used a cloning procedure, describe how it was carried out, as if you were doing the experiment yourself).

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4. **Results**

You may Xerox the authors' data (figures, tables etc.) for presentation in your paper, but you must explain what the data means. If their data refers to previous work, show this data also.

5. **Discussion of the Data**

Does the data answer the questions the authors set out to ask? Did their data provide new insights into their field?

6. **Future Directions**

If you were now about to go into the laboratory and carry out further studies in this area, what questions would you try to address, and how would you carry them out (experimentally). What do you expect your data to tell you?

7. **Bibliography**

**DO NOT copy 'word-for-word'
the article you have chosen.**

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Details

The term paper should not be longer than 20 pages (40 sides) and need not be typed unless your handwriting is very bad. Please submit to Dr. Davenport by the due date (see above). All papers and grades will be returned to you at the time of the final lecture examination.

When you have picked your paper for discussion, please provide a copy for Dr. Davenport at the time of the first lecture examination (October 4th, 2001). Please write your name at the top of the article.

You Are Not Alone

If you are experimenting difficulties, either choosing a research article, or with actually writing your term paper, please call Dr. Davenport (if you are unable to make office hours) at: 718-951-5750. There is an answer machine, and all calls will be returned. Alternatively, send e-mail to: Ldvnport@brooklyn.cuny.edu.

Most Important

Have fun. Do not pick a topic you have NO interest in. If your article is disease oriented, remember to address the biochemistry of the disease (i.e. at the molecular and chemical levels). DO NOT present a list of clinical symptoms and cures. The question you must ask is: "What is the Biochemical Basis for the Disease?"

LD/F01