A. Overview

This reading assignment serves two main aims:
1) To provide a general overview of bioimage informatics.
2) To assist you to start developing your own understanding of bioimage informatics.

B. Instructions

Write a report that briefly discusses the following topics (see format instructions in Section D)
- What is bioimage informatics? Where does it come from? What is it for?
- What are the problems to be solved in bioimage informatics?
- What are the similarities and differences between bioimage informatics, computer vision, and medical image analysis?
- Any of your thoughts about this area.

C. References

You are required to read the following four papers. It is expected that you will prepare your report based on your understanding of these papers.


The following two papers are not required but recommended reading.


Please feel free to use any additional references you find useful, but be sure to cite properly.

C. Report format

The report, including references, must not be more than 2 pages. Reports longer than 2 pages cannot be accepted.

Page size: letter
Line space: single
Page margins: 1 inch on each side (top, bottom, left, right)
Font size: 12 points font for the main text; 10 points for listed references

D. Some general guidelines on preparing a reading report

1. The single most important guideline regarding preparing a report is to think independently and use your own words. Avoid literal duplication of words from the references since otherwise it could run the risk of unintentional plagiarism [http://www.studentaffairs.cmu.edu/acad_integ/acad_integ_text.html].

2. Organize your report into sections and use section titles. This substantially improves readability.

3. Avoid long paragraphs. Instead, try to break them up into logically coherent short paragraphs.

4. Pay attention to details. Be sure to cite your references properly. If you are not sure how to make citations, follow the format of a research journal.