Chem 310, Fall 2018: Library Homework Assignment
This assignment to be written up directly into your lab notebooks, as you would for an experiment.

Part I

1. Use a structure-based search to find references for one of the esters shown below. **Your assignment is based on the first letter of your last (family) name, as listed below the structures.** Cite a reference (in ACS style) from a journal article that describes the synthesis of one of these esters, or its use in a chemical reaction. Write out the reaction used in either case.

Assignment (by first letter of family name):
A,B = 1; C,D = 2; E,F,G = 3; H,I,J = 4; K,L = 5; M,N,O = 6; P,Q,R = 7; S,T = 8; U,V,W = 9; X,Y,Z = 10

A quick summary of **ACS style** can be found on the link below at Oregon State University: [https://chemistry.oregonstate.edu/courses/ch361-464/ch361/QuickGuideACS.pdf](https://chemistry.oregonstate.edu/courses/ch361-464/ch361/QuickGuideACS.pdf)

More information and more specific guidelines can be found on the Rutgers University page link for this class prepared by Chemistry and Physics Librarian Laura Palumbo: [https://libguides.rutgers.edu/chem-310-fall-2018](https://libguides.rutgers.edu/chem-310-fall-2018)

2. Cite the most recent article published by the first author of the publication in answer 1.

3. Indicate one **purification** technique and one **analytical** technique used in the work described in the publication in answer 1.
Part II

Look up a list of the faculty in the department of Chemistry and Chemical Biology at Rutgers University on the department website: http://rutchem.rutgers.edu/people/faculty-bio

1. Select the faculty member whose family name starts with the letter closest to the first letter of your own family name (if you have multiple choices by this criterion, pick any one of those choices).

   (i) Cite the most recent journal article by this author, using ACS style.

   (ii) If different, cite the most recent article published in the Journal of the American Chemical Society by this author. (If none, indicate "None")

   (iii) Cite the title of a review by this author. (If none, indicate “None”.)