

Faculty Member Contact Information

Name	Cristina De Meo, PhD
Contact Info	
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Department	Chemistry

1 Unfunded URCA Assistant(s)

Are you willing to work with students from outside of your discipline? If yes, which other disciplines?

- No

How many hours per week will your student(s) be required to work in this position?
(Minimum is 6 hours per week; typical is 9)

- 9

Will it be possible for your student(s) to earn course credit?

- Yes, in chem 396, chem 496 for 2 credit hours.

Location of research/creative activities:

- SW2035

Brief description of the nature of the research/creative activity?

- Students will be working on organic chemistry reactions towards the synthesis of biologically relevant carbohydrates

Brief description of student responsibilities?

- Student will create a schedule with the faculty for training/supervision. Student's responsibilities are: 1) commitment; 2) record all the reactions in lab book in a way that other students can replicate the reaction;

URCA Assistant positions are designed to provide students with *research or creative activities* experience. As such, there should be measurable, appropriate outcome goals. What exactly should your student(s) have learned by the end of this experience?

- the carbohydrate the students will interact with is sialic acid, which is considered one of the most challenging sugars on the chemical synthesis perspective. Students will learn protecting group manipulations, chromatography separation techniques, and spectroscopy analysis.

Requirements of Students

If the position(s) require students to be available at certain times each week (as opposed to them being able to set their own hours) please indicate all required days and times:

- the times will be set up by the instructor and the student based on each other availability

If the location of the research/creative activities involves off campus work, must students provide their own transportation?

Must students have taken any prerequisite classes? Please list classes and preferred grades:

- ideally organic chemistry, but students in gen chem can also apply

Other requirements or notes to applicants: