

Faculty Member Contact Information

Name	Tom Spudich
Contact Info	
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Department	Forensic Sciences

1 Funded, 4 Unfunded URCA Assistant

	This position is ONLY open to students who have declared a major in this discipline.	M
	This project deals with social justice issues.	
	This project deals with sustainability (green) issues.	
	This project deals with human health and wellness issues.	
	This project deals with community outreach.	
	This mentor's project is interdisciplinary in nature.	I

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

Yes

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)

minimum of 6

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

Yes CHEM 296, 396 or 496 up to 3

Location of research/creative activities:

Belleville campus

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

Students can work on different forensic applications. One application is identifying adulterant in alcoholic beverages. There is one newly used adulterant that we are characterizing using ATR-FTIR. Another application is analyzing simulated human sweat to characterize so we can analyze real sweat to identify people based on their health and byproducts in the sweat. This will be done using both liquid and gas chromatography.

Brief description of student responsibilities?

Students will be working in the lab, analyzing simulated samples in both projects. You will have hands-on experience using multiple pieces of instrumentation.

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?

Yes

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:

We need to look at your schedule to make certain that you have two blocks of time to where you can work for at least three hours in Belleville from 8am-4:30pm. This isn't an absolute, but it will help immensely in terms of being able to complete the resea

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

You will have to provide your own transportation to and from the Belleville campus.

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

There are no prerequisites, although the more science courses you have successfully completed, the better. Also, if you have experience completing research, that is a definite plus!

Other requirements or notes to applicants: