

## Hello from the L&C Early Research Program!

Are you a first-year student? Are you interested in studying science (including psychology) and/or math? Will you be the first person in your family to graduate from a 4-yr college? If so, then please read on.....

Success in science/math requires curiosity, hard work, and a “growth mindset,” i.e. believing that with sufficient effort, you can develop new skills and knowledge. The satisfaction of learning new things is one of the greatest pleasures of working in science and math. A great way to find out whether you would enjoy a career in science or math (including health fields) is to experience this process of discovery. Many students in science and math at Lewis & Clark are involved in collaborative research with faculty mentors. Would you like to join them?

As a participant in the Early Research Program, you would:

- Join a faculty-student research team
- Get paid (\$12/hr) to spend 4-8 hours per week in fall semester doing research
- Help with experiments/analyses, join in on planning sessions, have your own project?

If you're interested in learning more, come to the “Early Research Meet-and-Greet” on **Thursday Sept. 14 from 4-5 PM in Albany 218**. This session is an opportunity to meet faculty research mentors and students who work with them. You can find out more about the kinds of research projects that are underway. At the end of the session, you can decide if you'd like to apply to become part of the Early Research Program.

At the “Meet-and-Greet,” you'll be assigned to sit at a table with other first-gen, first-yr students. Your table will include a faculty member and/or their student representative. You and the other students at your table will have 5 minutes to introduce yourselves to the faculty member, ask them questions, and learn more about them. Then a buzzer will sound and you will have 2 min to say goodbye to your faculty member, and meet a new one. You'll meet all the participating faculty members by the end of the hour.

To RSVP to the “Meet-and-Greet,” or if you have questions about the event, email Prof. Paulette Bierzychudek [bierzych@lclark.edu](mailto:bierzych@lclark.edu) by Wednesday Sept. 13 at 5 PM.







To introduce yourself, be ready with:

- Your first and last name. and hometown
- One thing you really enjoy about science and/or math
- One question you'd like to ask the faculty mentor about themselves or their research

Some important facts about the program:

- No previous research experience is required or expected
- You will participate in the research at whatever level is appropriate for your background
- Placement is competitive, but enthusiasm and commitment to doing your best are the most important qualifications

Participating faculty mentors and their research projects are shown on the next page.

		
<p>Psychology professors <b>Brian</b> and <b>Jerusha Detweiler-Bedell</b> lead the Behavioral Health &amp; Social psychology research lab. Though most people have opportunities to behave in ways that enhance physical health and mental well-being, it can be challenging to carry out these behaviors regularly. Their teams investigate and promote methods for helping people adopt healthy behaviors.</p>		<p>Biologist <b>Greta Binford</b> and her students study the molecular evolution of spider venoms using computer analysis of large data sets.</p>
		
<p><b>Jens Mache</b> is a computer scientist interested in cybersecurity; he and his students are developing effective cybersecurity exercises.</p>	<p>Biologist <b>Norma Velazquez</b> and her students study how genes affect how fruit flies behave in response to nicotine and other drugs. They hope these discoveries can help us better understand drug addiction in humans.</p>	<p>Cognitive neuroscientist <b>Todd Watson</b> and his team explore people's neural (brain) and behavioral responses to food-related cues, and how this might relate to "real world" eating habits.</p>