

LCCC BOARD OF TRUSTEES DINNER SESSION



**LARAMIE COUNTY
COMMUNITY COLLEGE**
WYOMING

February, 15th 2023

Opportunities in the sciences

- Exploratorium
- STEM Mobile
Science Lab
- Scanning Electron
Microscope

"The important thing is not to stop questioning. Curiosity has its own reason for existing. One cannot help but be in awe when he contemplates the mysteries of eternity, of life, of the marvelous structure of reality. It is enough if one tries merely to comprehend a little of this mystery every day."

-Albert Einstein

Exploratorium – Dr. Gavin Martin

- Funded by Innovation funds
 - ▣ \$20,000 for innovative education
- Purpose:
 - ▣ Bring transformative and inspired learning to the LCCC community
 - ▣ Provide experiential learning for students on campus
 - ▣ Provide outreach opportunity for members of the community

Exploratorium – Dr. Gavin Martin



Misty Clevenger

This was an amazing class! Our son has not stopped talking about it. If there is an evaluation form I'll be giving this the highest marks possible. Thank you for organizing this high quality fun and extremely informative class. Please keep offering these types of learning opportunities in Cheyenne.



STEM Mobile Science Lab

– Mr. Trent Morrell

- Funded by Windy River Foundation
 - ▣ \$60,000 for the promotion of science education
 - ▣ Harry C. Vaughan legacy
 - ▣ Innovation Funds & WIP requests to complete project
 - ▣ Dedicated trailer equipped with science devices, instruments and other materials
 - ▣ Provide outreach to K-12, college fairs, community events
 - ▣ STEM Pathway students take "ownership", help facilitate outreach and maintain mobile lab

STEM Mobile Science Lab

– Mr. Trent Morrell



STEM Mobile Science Lab

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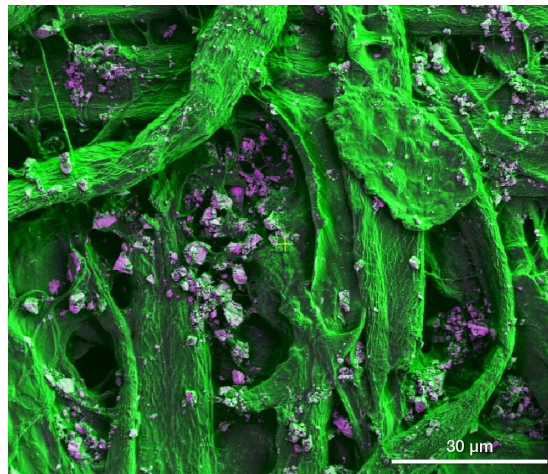
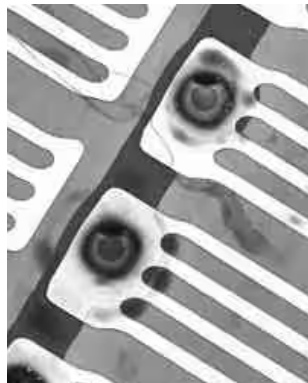
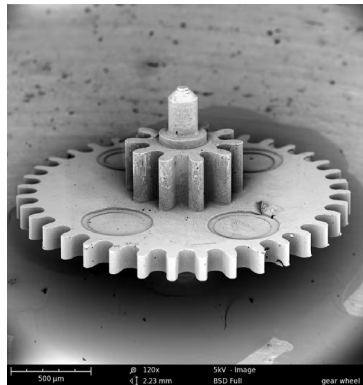
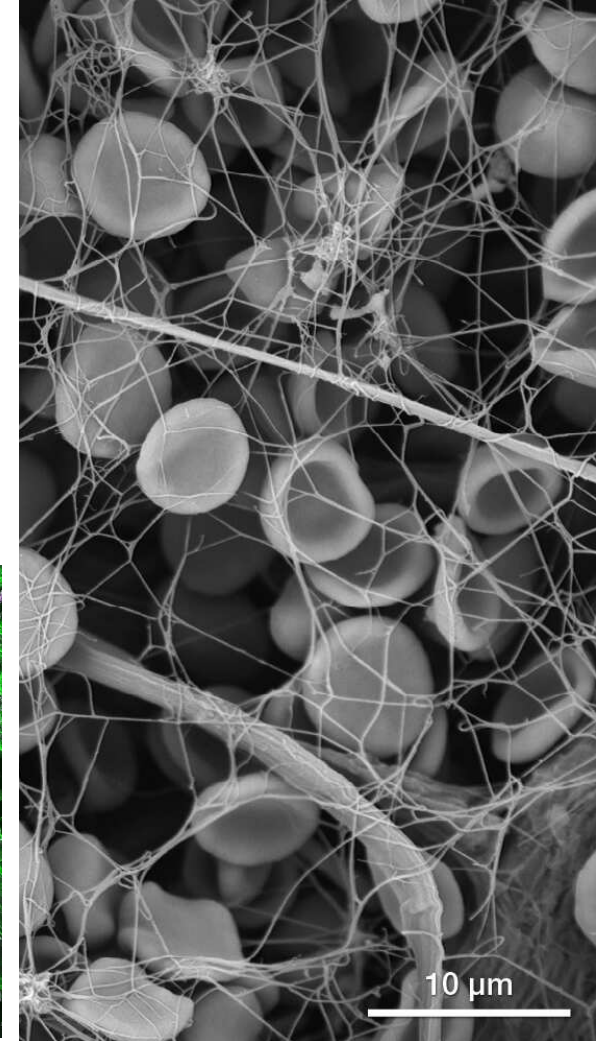
Scanning Electron Microscope

– Dr. Ami Wangeline

- Funded by:
 - ▣ WY INBRE Equipment grant (\$110,000) – National Institutes of Health
 - ▣ LCCC department funds (Arts and Sciences (\$10,000); Health Sciences and Outreach and Workforce, \$1000 each)
 - ▣ Margaret E. Smith Laboratory Equipment Fund through the LCCC foundation (\$3000)
- Ease of use is much improved expanding access
 - ▣ Less manual/more robust components

Scanning Electron Microscope

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Scanning Electron Microscope

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