

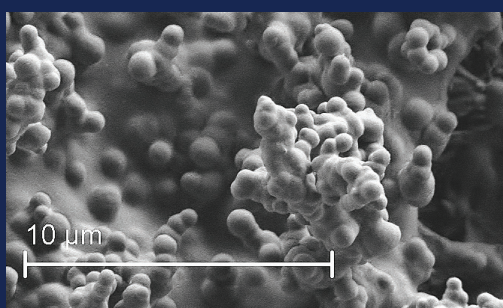
# BACK TO THE FUTURE

## 2023 SUMMER UNDERGRADUATE RESEARCH PROGRAM



*The Back to the Future REU program is an NSF funded summer research program that provides undergraduate students the opportunity to work on research topics in Metallurgy and Materials Science many of which have historical and artistic components.*

*Explore the interface between metallurgy, art, and history while conducting cutting-edge research in the Black Hills of South Dakota!*



### PROGRAM DESCRIPTION:

- 10 week Summer Research Experience: May 29 - August 4, 2023
- Faculty Mentored Research in Metallurgy and Materials Science
- Social and Professional Development
- Seminars and Workshops on the Historic and Artistic Impact of Metallurgy
- \$5,000 Stipend and Housing Provided



### PROJECT RESEARCH TOPICS:

- Archaeometallurgy
- Welding and Materials Joining
- Thin films Research
- Biomaterials
- Corrosion Engineering
- Nanomaterials and Nanoparticle Synthesis
- AND MORE

### HOW TO APPLY:

Applications and a more detailed list of project topics can be found at the NSF Back to the Future REU website: [met.sdsmt.edu/backtothefuture](https://met.sdsmt.edu/backtothefuture)

**APPLICATION DEADLINE MARCH 6, 2023**

### CONTACT:

Dr. Michael West, Assistant Professor  
Department of Materials and Metallurgical Engineering  
South Dakota Mines  
501 E Saint Joseph Street  
Rapid City, SD 57701  
[Michael.West@sdsmt.edu](mailto:Michael.West@sdsmt.edu)  
Phone: (605)394-1283 Fax: (604)394-3369



**[MET.SDSMT.EDU/BACKTOTHEFUTURE](https://met.sdsmt.edu/backtothefuture)**