

# Rigaku XtaLAB Mini II SC-XRD Operating Instructions

## Overview

TheXtaLAB Mini II is a desktop single-crystal X-ray diffractometer (SC-XRD) with an enclosed beam that is completely shielded. **Any individual who wishes to use the XRD must:**

- Participate in training that demonstrates all safety issues including possible radiation hazards and biological effects of radiation associated with the instrument.
- Receive training in proper operating procedures for the instrument.
- Agree to document that training has been completed.
- Record their time on the log sheet.
- Operate the instrument only according to the manner specified in the SOP.
- Never bypass the instrument safety devices.

## Emergency Contacts

Contact	Role	Office	Email	Phone
Matt Burleson	**Instrumentation Specialist, CHPH, XRD Authorized User **	AP 346	<a href="mailto:mburleson@wcu.edu">mburleson@wcu.edu</a>	828-227-2695
Wes Bintz	Research Operations Manager, Arts & Sciences	AP 221	<a href="mailto:wwbintz@wcu.edu">wwbintz@wcu.edu</a>	828-227-2270
Jamie Wallen	Department Head, CHPH	AP 112	<a href="mailto:jamiewallen@wcu.edu">jamiewallen@wcu.edu</a>	828-227-3667
Jon Maddy	Director, Safety and Risk Management	-	<a href="mailto:jmaddy@wcu.edu">jmaddy@wcu.edu</a>	828-227-7442
	Lab Safety Officer, Safety and Risk Management	-		828-227-7443
Campus Police	<b>Non-emergency</b> /after hours contact	-	-	828-227-730
Campus Dispatch	Fire/Medical/Police Emergency Response	-	-	828-227-8911
NC Radiation Protection Section	State Emergency Center	-	-	800-858-0368