



## Agenda TXRF User School

Duration: 3 days  
Location: Bruker Nano Analytics Headquarters, Bruker Nano GmbH,  
Am Studio 2D, 12489 Berlin-Adlershof

### Day 1

- 12:30 a.m. Welcoming**
- 1:00-2:00 p.m. Principles of TXRF**  
Origin of X-ray fluorescence  
X-ray tubes and spectra  
Instrument settings  
Quantification of TXRF data  
Sample preparation
- 2:00-3:00 p.m. Working with the SPECTRA software**  
General software features  
Setting up methods  
Performing measurements
- 3:00-3:30 p.m. Coffee break**
- 3:30-5:00 p.m. Preparation and overnight measurement of samples**  
Liquid and solid training samples provided by Bruker

### Day 2

- 9:00-10:00 a.m. Evaluation of measurements**  
Spectra deconvolution  
Quantification  
Data assessment
- 10:00-10:30 a.m. Analysis of difficult and complex samples**  
Advanced samples preparation strategies  
Adjustment of calibrations
- 10:30-11:00 a.m. Coffee break**
- 11:00-12:00 a.m. Q&A session**

**12:00 a.m.-1:00 p.m. Lunch break**

**1:00-3:00 p.m. Hands on training (I)**  
Sample preparation for calibration adjustment, customer samples,  
special sample types (on demand)

**3:00-3:30 p.m. Coffee break**

**3:30-5:00 p.m. Hands on training (II)**  
Advanced sample preparation  
Overnight measurements

**Day 3**

**9:00-10:30 a.m. Evaluation of measurements**  
Adjustment of calibration  
Discussion of results

**10:30-11:00 a.m. Coffee break**

**11:00-11:30 a.m. Test**

**11:30-12:00 a.m. Evaluation of test, Hand out of certificates**

**12:00-12:30 a.m. Summary**

**12:30 a.m. Lunch option**