

Instrument Management And Tracking System Developed For The University Of Maryland Baltimore Mass Spectrometry Center

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Project Management

Info Services Bookings

Project ID: 23

Title: Test Project

Primary Investigator: Michael Wilson

PCBU: 00125

Project ID: 00130649

Department ID: 12200000

Purchase Order:

Address: 20 N Pine St

Suite N606

City: Baltimore

State: MD

Zip: 21201

Phone: 4107063536

Fax:

Abstract:

A short description of the project...

Create a new project

Settings

Change Password

Old Password

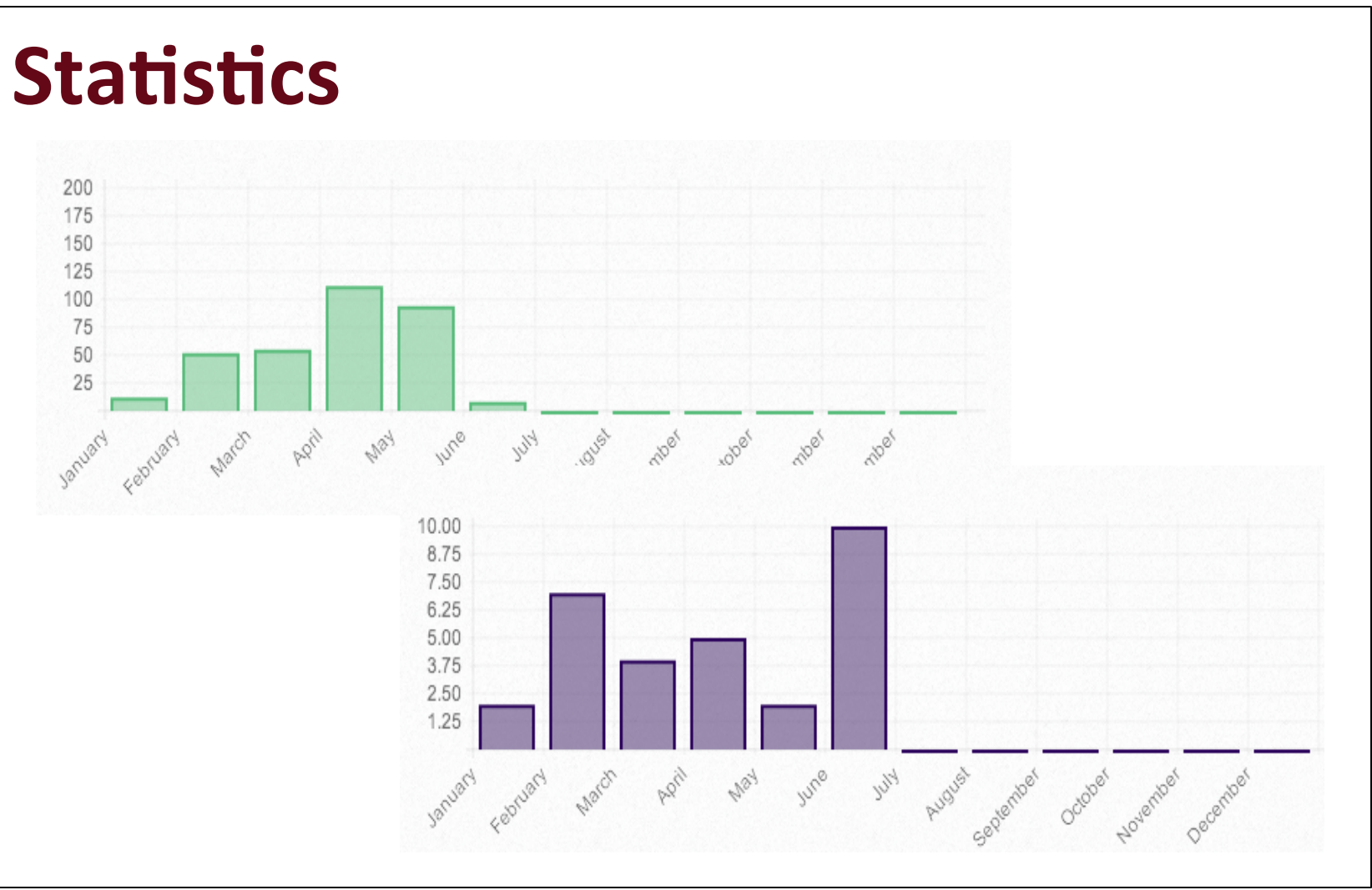
New password (min. 6 characters)

Repeat new password

Change Password

Abstract: Due to the increasingly complicated sample submission and user management requirements of a high-throughput mass spectrometry analysis center, a powerful, scalable, but easy to use and maintain solution was needed to accurately track and control the instrument usage and fee-for-service requests. Here we describe the Analytical Instrument Management System (AIMS) that has been deployed and is being adopted for use by those affiliated with the University of Maryland Baltimore School of Pharmacy Mass Spectrometry Center.

Methods: The AIMS was constructed using a variety of common web based technologies for maximum platform compatibility, ease of maintenance and future robustness. The system tracks and controls instrument usage from a wide variety of vendors (Bruker, Thermo, Waters, Agilent), assists in the submission of fee-for-service analyses and training requests, and provides an easy to use administrative interface for generating invoices and usage reports on a per user/instrument basis to support management decision making and strategic future planning. The key technologies used were MySQL for recording and organizing data, PHP/HTML/CSS for the user interface, and JavaScript for asynchronous communication and page effects.



Service Request

Sample Information

Required Information

Choose a project...

Sample Label

Concentration

☒ Solid ☐ Liquid

Sample Composition

Digestion Enzyme

Taxonomy (species)

Instrument Status

Instrument	Status	Location
AB Sciex 5500	Active	N714
Agilent 7700	Active	N714
Bruker Amazon X	Offline	N716
Bruker Autoflex	Active	N710
Bruker Solarix	Active	S143

Services

Service: Service Name

Regular

Discount

Cutoff

UMB

Collaborator

Affiliate

Member

Non-Profit

For-Profit

☐ This service needs a sample preparation option.

Create Service

Instrument Training

Bruker Amazon

Study Material

Quiz

Hands On Training

Training requested on: 2014-06-03 12:07:20

New Project

Project Information

Project Title

Primary Investigator

Abstract ... just a few sentences ...

Billing

From: May 1 2014

To: May 10 2014

What: All

Order: User ID

Who: Michael Wilson

Search!

Help/FAQ

Question...

Answer...

Submit

User Management

Please select a user to edit: Michael Wilson

The Basics...

Michael Wilson (mwilson)

Member

[+] Training Modules...

[+] Instrument Access...

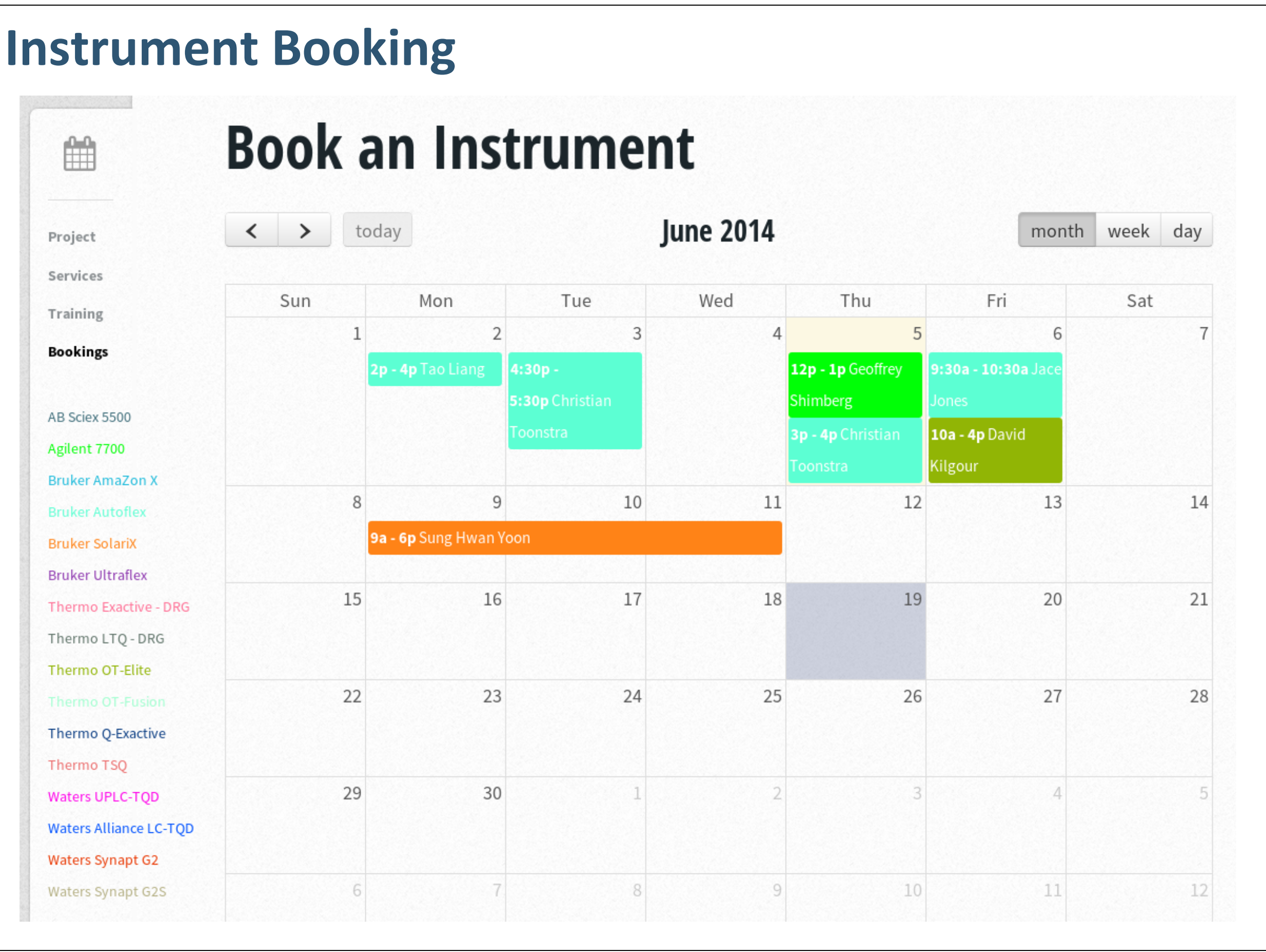
[+] Conference Room Access...

[+] Projects...

[+] Bookings...

[+] Training Sessions...

[+] Service Requests...



Help/FAQ

How to use this site...

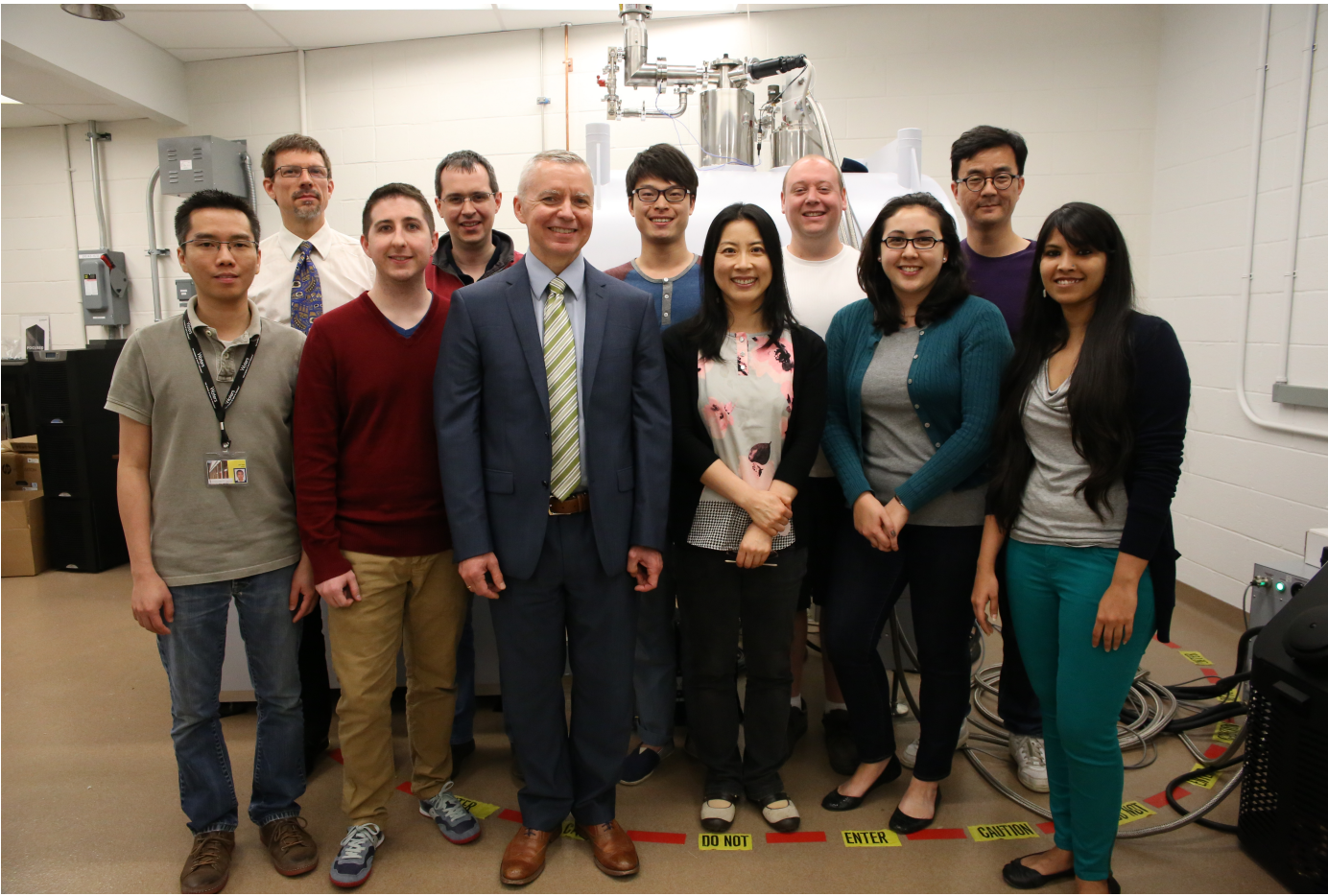
Fee For Service

Create a Project by selecting "New Project" at the top of the page - Be sure to include your payment information

If you already have a project for which you would like to submit samples, feel free to skip this step

Complete the "Fee For Service" form to begin the process - We will contact you if we have any questions

If this is your first time using our services feel free to contact us with any questions you may have (see below for contact info)



Acknowledgments: This work was supported in part by the University of Maryland Baltimore, School of Pharmacy Mass Spectrometry Center (SOP1841-IQB2014)

Instruments

Add an Instrument

Name

Model

Asset Num

Room#

Accuracy

Min Unit

Color

Create

Bookable? ☐ Yes ☐ No

Modify an Instrument

AB Sciex 5500

QTRAP

54257

N714

High

60 min

#3e6d7a

Bookable? ☒ Yes ☐ No

Agilent 7700

ICP-MS

54019

N714

Low

60 min

#00b0f0

Bookable? ☒ Yes ☐ No

Training

General Info

Name

Contact Person

Contact Email

Training Documents

Choose Files

No file chosen

Training Questions

Add Multiple Choice

Add True/False

Save