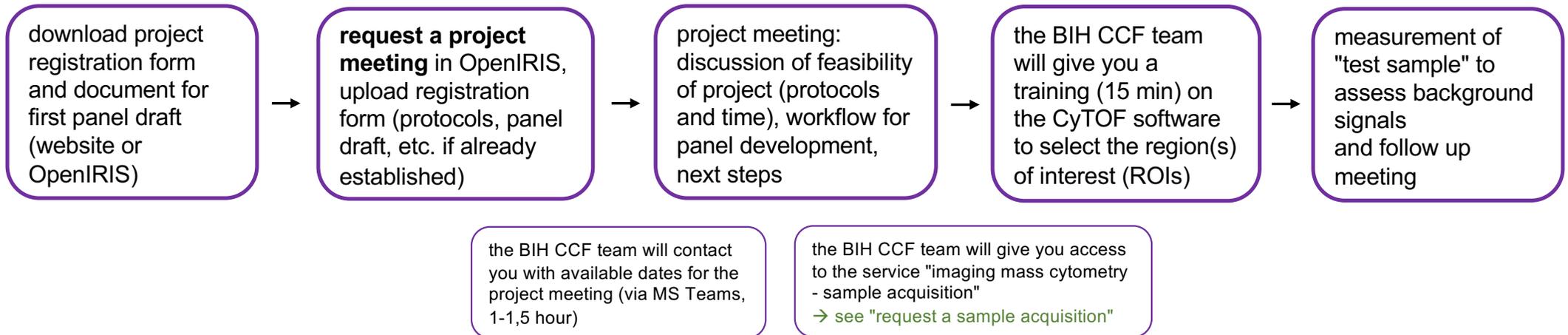
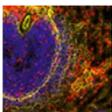


Imaging Mass Cytometry – getting access



iris.charite.de



Project Meetings - Imaging Mass Cytometry (Hy...

Provider: **Flow & Mass Cytometry Core Facility**
Contact: desiree.kunkel@charite.de
Resource Type: **Project Discussion**
Location: **online meeting (initial meeting) or @CVK site**

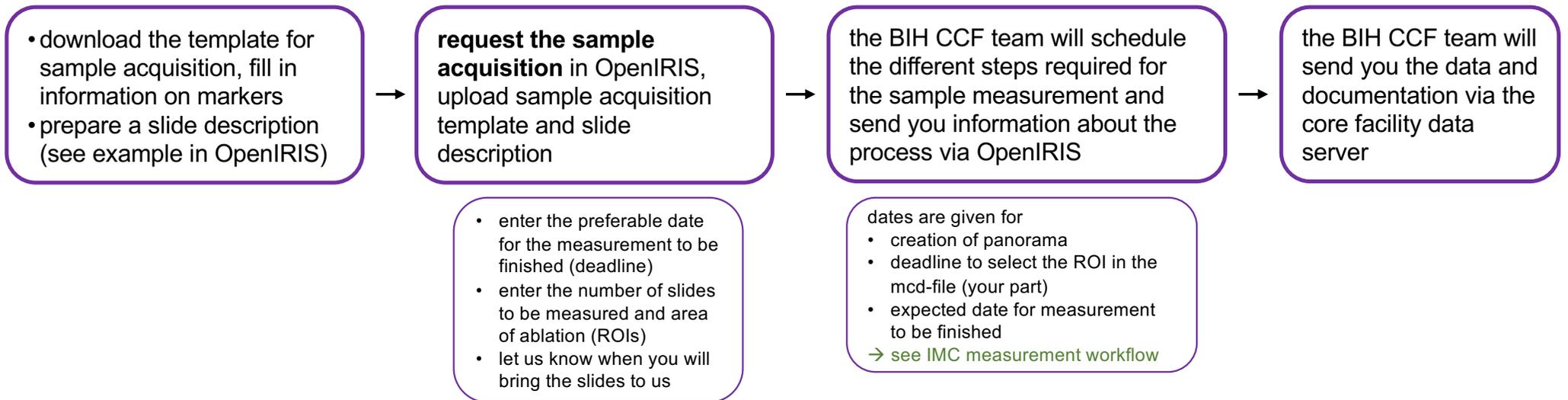
Status: **Online**
Comments:
Please download the [project registration form](#) and the table for your **first panel draft** and attach it to the request.

SEARCH Q GEAR PRINT

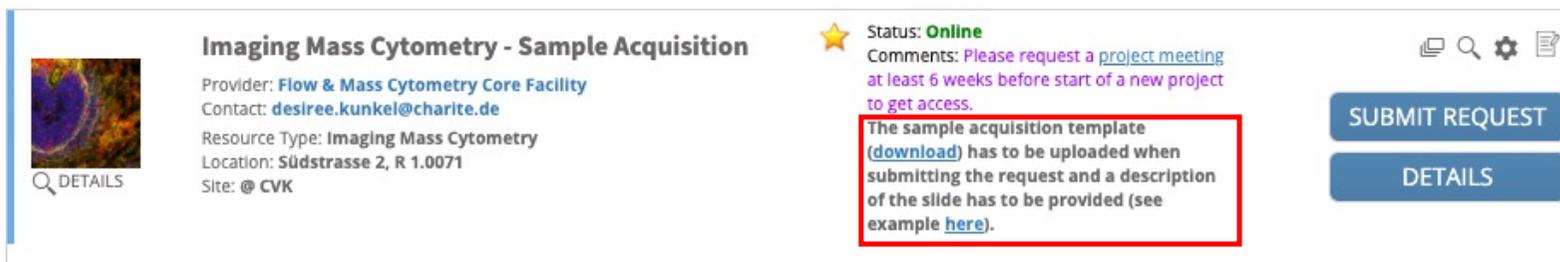
SUBMIT REQUEST

DETAILS

Imaging Mass Cytometry – request a sample acquisition



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Imaging Mass Cytometry - Sample Acquisition

Provider: [Flow & Mass Cytometry Core Facility](#)
Contact: desiree.kunkel@charite.de
Resource Type: [Imaging Mass Cytometry](#)
Location: [Südstrasse 2, R 1.0071](#)
Site: [@ CVK](#)

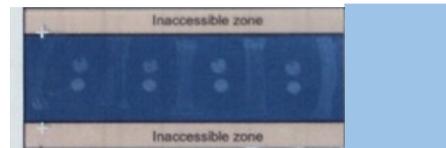
Status: **Online**
Comments: [Please request a project meeting at least 6 weeks before start of a new project to get access.](#)

The sample acquisition template ([download](#)) has to be uploaded when submitting the request and a description of the slide has to be provided (see example [here](#)).

[SUBMIT REQUEST](#)
[DETAILS](#)

IMC measurement - workflow

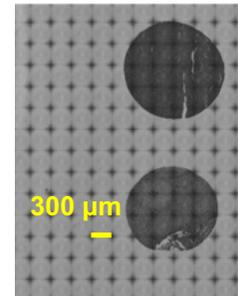
we take a photo of the slide for upload into the software



we acquire a panorama of the selected tissue sections

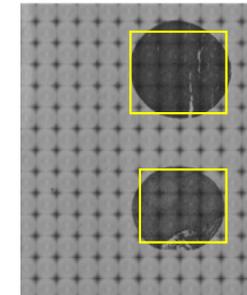


we save the mcd-file on the core facility server



one "tile" = $0.3 \times 0.3 \text{ mm} = 0.09 \text{ mm}^2$

you load the mcd-file into the CyTOF software, select your region(s) of interest (ROI) on the panorama(s) by drawing a rectangle and save it again on the core facility server



we start the ablation



we will send you the data and the acquisition protocol via the core facility server

some remarks:

- $1 \text{ mm}^2 = 2 \text{ hours}$ of ablation time
- ROIs can only be rectangles, no circles, free-hand polygons or trapezoids
- for titrations a one-row TMA with 'positive' and 'negative' tissue serves best, as you can fit 4 sections and thus 4 concentrations on one slide