

Sapphire Biomolecular Imager

Oxana Klementieva

1. Short description of the infrastructure.

Sapphire Biomolecular Imager is a next generation laser scanning system

Product Features Three solid state lasers (488, 520, 784 nm) offering ultimate excitation Sapphire Biomolecular Imager has four solid-state lasers (488, 520, 658 and 784 nm) offering excitation sensitivity at the image resolution down to 10 micrometers.

The imager is equipped with a photomultiplier tube for fluorescence and phosphor imaging, avalanche photodiodes for near-infrared imaging and a CCD sensor for chemiluminescent and visible imaging.

Location: B1133

Service provided:

- Introduction to the platform;
- Provide tutorials and literature (2021);
- Organization of theoretical and practical workshops;
- One-year access to the B1133 room;
- Booking list;
- Access to the equipment;
- Access to Sapphire Capture and AzureSpot software programs for imaging analysis;
- On-demand consultation with the expert manager.

2. Is this infrastructure receiving support also from other Strategic Research Areas (SRAs) or organizations at Lund University (e.g. Medical faculty, LBIC). If yes, please specify the type of support and its amount.

NO

3. Number and names of MultiPark senior researchers using the infrastructure during 2020¹. (infrastructure was first established in 2020, please include this information)

G. Gouras
O. Klementieva
O. Hansson
A. Cenci Nilsson
Jia-Yi Li
A. Heuer

4. Number and names of senior researchers outside of Multipark and/or non-academic partners using the infrastructure 2018-2020.

N/A

¹ If the infrastructure was first established in 2020, please include this information.

5. **Does the infrastructure have a steering document accessible to the users? If yes, when was it last updated?²**

No, the web page is under development

6. **Is the infrastructure charging user fees? If yes, state the amount and what is covered by the user fees.**

NO.

7. **List publications generated with the help of this infrastructure during the past 3 years (2018-2020). Do not include manuscripts in preparation and please give the full reference (i.e., complete author list, complete title, journal name with year, volume, pages)³.**

N/A

² Note that the Multipark leadership may ask to see this document with a very short notice.

³ If the infrastructure was first established in 2020, please include this information here too.