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Perspectives of Life Science at ALBA

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The Life Sciences scientific program at the ALBA synchrotron has been well established for years, with several beamlines covering multiple techniques widely used in structural molecular and cellular biology. Still, as part of the future ALBA-II upgrade, the program is being further developed to offer new techniques. The existing beamlines are planned to undergo throughout upgrades in the optics and the end-station, and new beamlines are being built. Beyond the traditional portfolio of beamlines, a new super-resolution 3D microscope for correlated ultrastructural cell imaging is currently available, and the first electronic microscope, implemented through a consortium of nearby institutions, will start user operation in few months. Also, the bio laboratories are being completed with a macromolecular crystallography platform, among other equipment. Here we aim to open a discussion about the perspectives of the program and the instruments and services to be conceived and implemented, still to be defined, to optimally boost the scientific capabilities and productivity of the scientific community.

Would you like to participate in the Poster Prize competition?

No

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