

3D Fermentation Facility

This is to inform you on the latest changes in the 3D repertoire fermentation facility. Jelena Gvozdenovic-Jeremic has joined the project as our new fermentation specialist. Jelena has worked at the Iowa State University Fermentation Facility where she became highly proficient at operating a wide variety of fermentation-related equipment. She also contributed to diverse projects involving techniques such as batch, fed batch, continuous, solid-state, and biofilm fermentation.

You can from now on, directly send your request to Jelena (gvozdeno@embl.de)

Please do not forget to:

- Specify the yeast strain/name. Note that we have a duplicate of the Euroscarf collection expressing TAP-fusions in the lab. If the strains do not belong to this collection please also send the plates/strains.
- Provide with all useful information on how you usually grow the strains: media, size of the *inoculum*, growth rate.
- Notify of any special requirement (for example, cell synchronization, use of inhibitors, etc.)

We will first optimize the fermentation condition in the 1 liter fermenter. This includes the following measurements over time:

- Biomass (OD)
- Viability (fluorescein diacetate assay) and “healthiness?”(overall morphology)
- Level of expression of the tagged-fusion (Western blot)

Once the optimal conditions are set, we will perform a 30 liters culture. Typically, we could grow to an OD of 30 and expect >1kg of yeast pellet from the 30 liters.

Please do not hesitate to contact us if anything is unclear

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