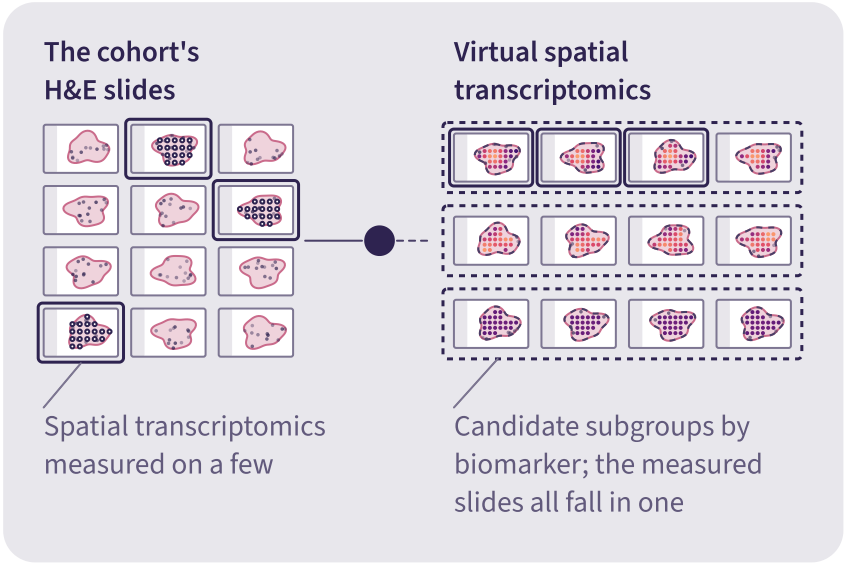
aurora omics

PHARMA & BIOTECH

See new possibilities for the medicines of tomorrow.

Bring a new molecular perspective to your existing cohorts. Revisit familiar questions, explore unexpected connections and open directions beyond the original scope of a study.

Aurora predicts spatial gene expression from the H&E slides behind your studies, so a cohort you know well can be explored again on the same genes.



APPLICATIONS

A broader field of opportunity for discovery

Revisit a completed study with a new question

The slides a finished study left behind can take up a question it was never designed to answer, including once its tissue is exhausted or reserved for other work.

Follow unexpected connections across the whole cohort

Samples from the same indication can carry very different tissue, while molecular characterisation usually reaches a subset of them.

Take a study beyond the panel it was designed around

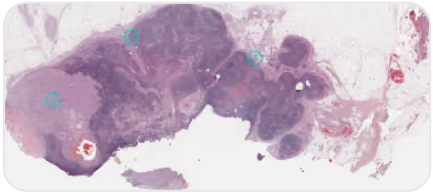
With our team, a completed spatial study gains predictions for the protein-coding genes its panel left out, adapted to the data it measured.

Begin each new study with a wider view

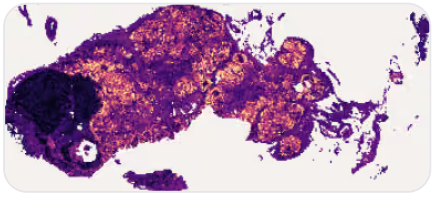
Predicted expression across the candidate samples shows where the biology a study is about sits, before any tissue is cut for it.

See each direction on real tissue

auroraomics.org/use-cases/for/pharma-and-biotech



A new chapter for your collection.



Give molecular data a sense of place.

Begin your next experiment with a wider view.

Open new directions for your discovery programme.

Bring a fresh molecular perspective to the tissue behind your research.

Aurora helps teams explore possibilities beyond the questions their studies were originally designed to answer — with the ambition of making existing research a starting point for what comes next.

Tiers for commercial research and development

Start as one researcher exploring Aurora on your own slides. Advanced R&D adds capacity for an R&D team, plus gene restoration and panel extension for teams with spatial data of their own. Enterprise extends everything to your whole organisation, with private, on-premises image processing.

IN EVERY TIER

- ✓ Virtual spatial transcriptomics (19k genes)
- ✓ Quality-control and analysis reports
- ✓ AnnData (.h5ad) output for downstream analysis
- ✓ An interactive spatial map

Commercial

Explore what Aurora can do, at a small scale.

Includes:

- ✓ Commercial use rights
- ✓ **Aurora Intelligence**: shared workspaces, the slide viewer and comparisons between regions you select
- ✓ Programmatic access through the **Aurora API**
- ✓ Capacity sized to your expected use

Advanced R&D

Use Aurora as a team, with more capacity.

Everything in Commercial, plus:

- ✓ Higher capacity, planned with you
- ✓ Gene restoration: predicted values for genes your assay lost to quality control
- ✓ Panel extension: predicted values for the genes a targeted panel did not measure
- ✓ Optional model adaptation to your own spatial data

Enterprise

The complete Aurora platform, across your organisation.

Everything in Advanced R&D, plus:

- ✓ Capacity and access planned across several teams
- ✓ Private, on-premises image processing
- ✓ Data handling and terms agreed for your organisation
- ✓ Onboarding, integration support and a named point of contact

Built to work where research already lives.

Use Aurora through Swiss-hosted infrastructure, or keep original images within your own environment through our secure API approach.

- ✓ Swiss-based processing
- ✓ Encrypted transfer
- ✓ Local-image options

Plan the next step for your programme

Bring a cohort, a biomarker question or a completed study to the conversation.

Discuss your programme auroraomics.org/contact

References

Nonchev K, Dawo S, Silina K, Koelzer VH, Rätsch G. DeepSpot-M: a multimodal foundation model for transcriptome-wide virtual spatial transcriptomics from histology. *medRxiv*. Preprint, 2026. https://doi.org/10.64898/2026.06.19.26356060

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