

分析機器部門講習会シリーズ

空間トランスクリプトーム解析装置
10X GENOMICS 社 Xenium Analyzer
利用者説明会

Xenium は FFPE 組織または新鮮凍結組織を対象に、数百種の RNA ターゲット（2024 年以内に 5000 遺伝子を検出可能とする予定）の細胞内プロファイリングを行うことができ、同一切片上で組織内の細胞種類と遺伝子の位置情報の解析が可能です。

シングルセル解析の結果を活用して研究者独自の高感度、高特異性のプローブをカスタマイズして解析できます。

【日 時】 2024 年 1 月 19 日（金）16：00～18：00

【紹介機器】 10X GENOMICS 社 Xenium Analyzer

【対 象】 本装置のご利用をお考えの方

【講習内容】 ① Xenium の概要、使用事例 ② Xenium 利用時の流れ
③ 標本作製の受託

【会 場】 オンライン開催

【申込期間】 2024 年 1 月 18 日（木）まで

【申込方法】 以下の URL よりお申し込みください。

<https://forms.office.com/r/6W6m9G6ma2?origin=lprLink>

※カスタム遺伝子パネルの発注に 2～3 カ月要しますので、早めの解析をご希望の方は個別にご相談ください。

利用について
ご相談先

分析機器部門長 榎本（腫瘍病理学）
Email：enomoto[at]med.nagoya-u.ac.jp

講習会
お問合せ先

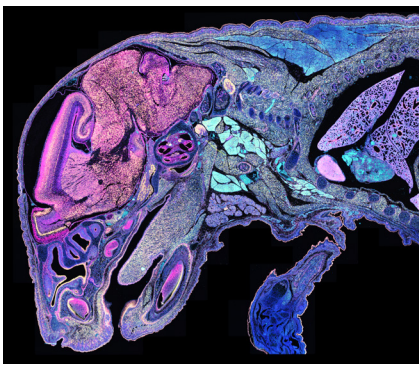
医学教育研究支援センター分析機器部門
担当：山口
Email：kiki.micro[at]med.nagoya-u.ac.jp
（送信の際は[at]を@に変えてください）

申込時にいただいた個人情報は、「東海国立大学機構個人情報保護規程」に基づき適切に管理いたします。
詳しくは、ホームページをご参照ください。 <https://www.thers.ac.jp/disclosure/protection/index.html>

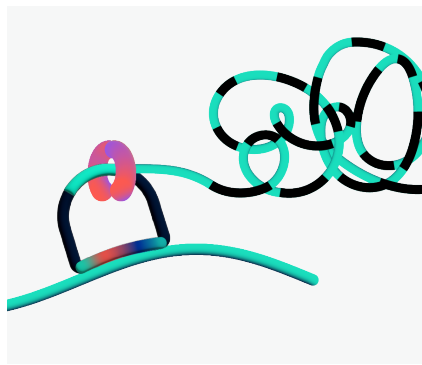
Combine the power of single cell & spatial to make the impossible, possible

Xenium In Situ

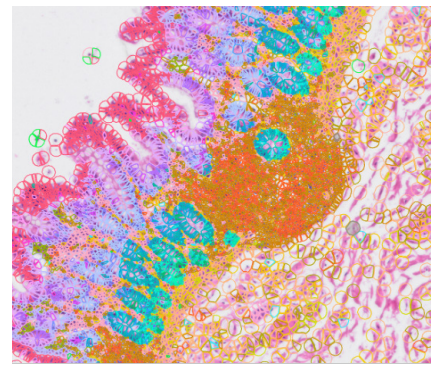
Xenium builds on our years of innovation in single cell and spatial technologies to deliver the most advanced end-to-end high-plex in situ platform on the market. The purpose-built design streamlines going from tissue section to data, with an automated analyzer, curated and/or custom panels, and intuitive visualization and analysis software.



Visualize & analyze the expression of 1,000s of genes in single cells in their native tissue context from FFPE or FF sections



Have confidence in your data thanks to Xenium's highly sensitive and specific padlock chemistry



Unite histopathology insights with your high-plex in situ data on the same tissue section

Up to 7x faster throughput than other platforms

Fast workflow with 3 hours hands-on time & guided instrument run setup

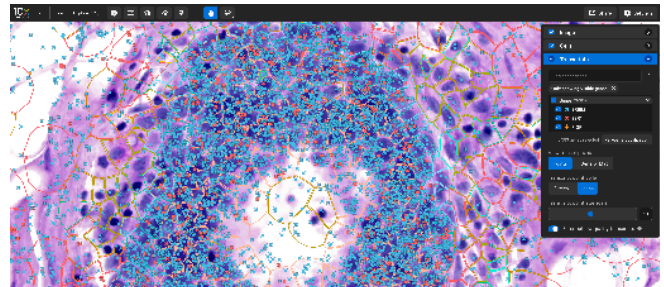
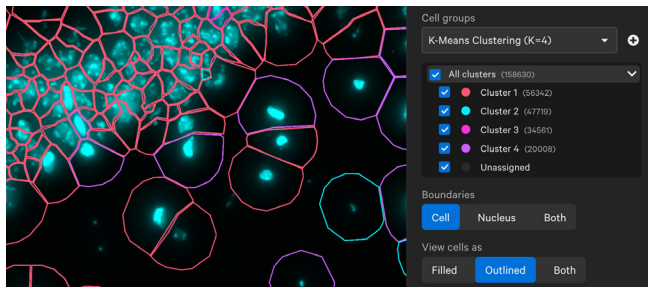
Analyze up to 1,400 mm² of tissue per week



Simultaneously collects and processes data letting you visualize results right after a run completes

Xenium Analyzer

Diverse panel menu to fit any research need



Pre-designed Xenium panels

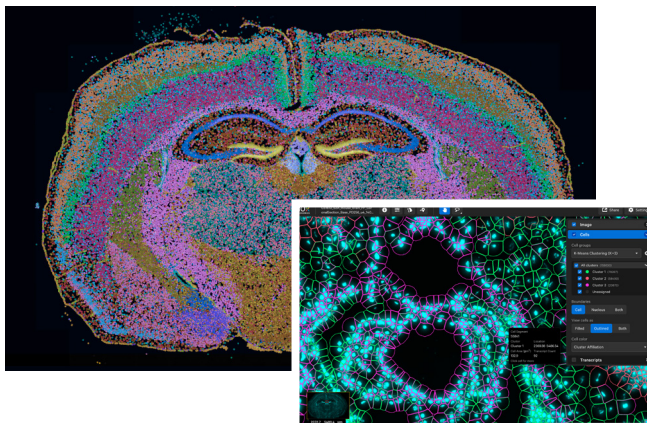
- ✓ Profile key cell types and states in human or mouse tissues, and customize with up to 100 additional genes
- ✓ Extensively tested by 10x Genomics on healthy and diseased tissues
- ✓ Ready to ship right away

Custom panels

- ✓ Select gene markers and signatures of your choosing
- ✓ Design probes for special applications (isoforms, fusions, viral/bacterial sequences, protein tags, and fluorescent reporters)
- ✓ Designed and delivered in 4–6 weeks

Immediate access to insights

Xenium Onboard Analysis automatically processes data during a run, without needing to wait for hours of post-run processing. Xenium Explorer, our intuitive visualization software, allows for seamless exploration of your in situ data. Xenium Ranger analysis pipelines give you the flexibility to further refine your data for your research needs, then continue your analysis journey in Xenium Explorer.



- ✓ Keep full ownership of your data at no extra cost and transfer it from the instrument to the storage location of your choosing.
- ✓ Visualize an entire unified image with overlaid morphology, segmentation, cell typing, and transcript density at any scale using Xenium Explorer.
- ✓ Import Xenium data seamlessly into third-party tools for filtering, clustering, trajectory analysis, and beyond without additional processing of the open file formats
- ✓ Easily reanalyze your data and visualize it in Xenium Explorer thanks to simple data interoperability

10xgenomics.com/xenium

SAM000693 Rev A - Platform flyer - Xenium In Situ Platform

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