



# Research Services

Maximize your research  
potential with precision  
whole genome  
sequencing, curation,  
and interpretation

**INOCRAS**

WE ARE INOCRAS

# Your trusted partner in cutting-edge whole genome sequencing and bioinformatics

By leveraging the power of whole genome insights, we've developed proprietary, highly automated bioinformatics solutions for cancer and rare diseases. Our CLIA-certified and CAP-accredited lab sets a new benchmark for operational excellence, achieving a two-week turnaround time.

## OUR PARTNERS



## UNLOCK THE FULL POTENTIAL OF YOUR RESEARCH – WITHIN 2 WEEKS

We offer whole genome sequencing and analytics services for research and clinical use (CLIA-certified, CAP-accredited), adopting a collaborative approach to deliver insights and support you to drive innovation.



### CLIA-certified, CAP-accredited

Our San Diego lab is CLIA-certified and CAP-accredited, serving both clinical and research demand. Our CLIA-validated tests are eligible for FDA submission for Phase I & III clinical trials.



### Latest sequencing technology

Get access to the latest high-throughput sequencers: Illumina (NovaSeq™ X Plus) and Ultima (UG 100™).



### World-class bioinformatics

Meet our proprietary, highly-automated bioinformatics pipelines, plus 15 expert genomic scientists (MD/PhDs in genomic science, computer science and bioinformatics) who curate the insights.

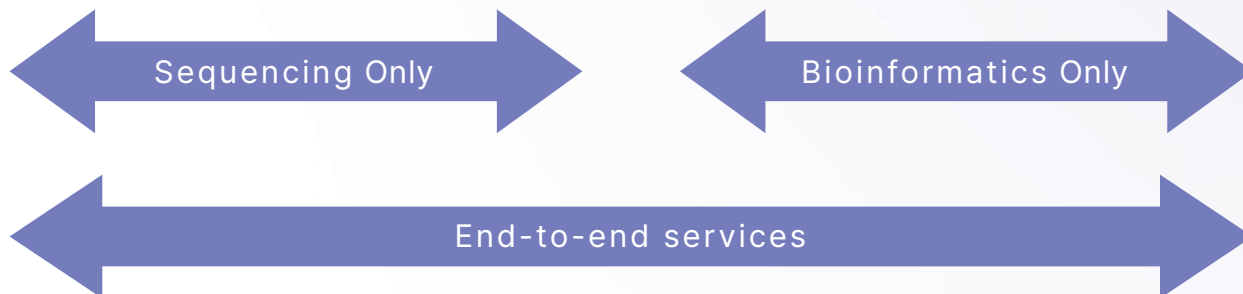
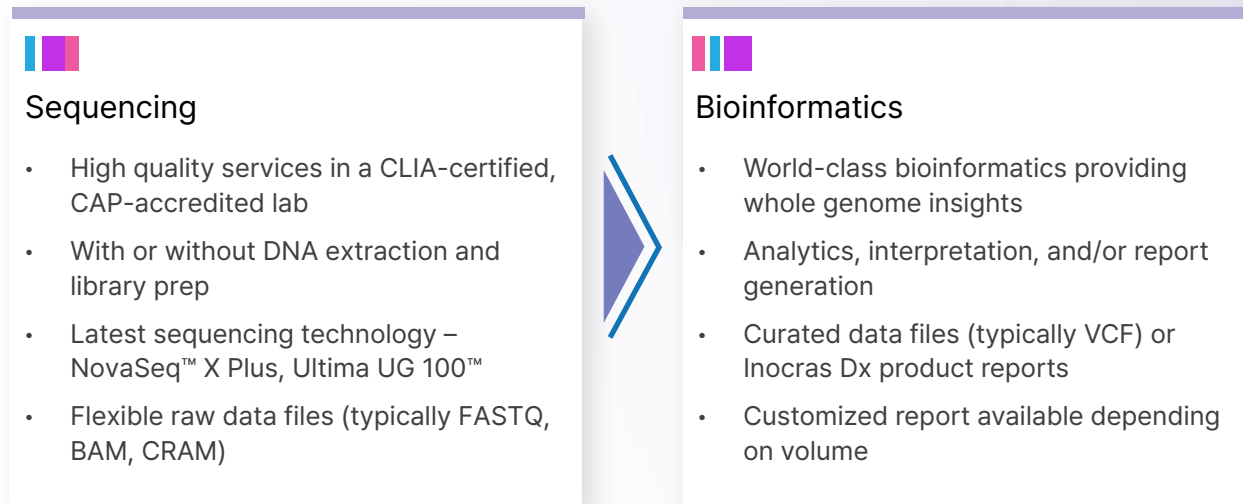



### Customized support

We can provide sequence only, analytics/curation only or full services with either standardized or customized reports. In addition, our experts can offer advisory services upon your request.

# Tailored research services that meet your unique research needs

Our offerings are fully customizable. Choose from sequencing only, bioinformatics only, or full end-to-end services, all supported by our expert team of medical and genomic scientists throughout your project.



 **Expert advisory support**

Our team of MDs and PhDs specialize in medical, genomic science, computer science and bioinformatics and provide expert advisory services on an hourly or project basis.

## World-Class Bioinformatics Tailored to Your Research Needs

Sequencing is just the start. Our world-class bioinformatics capabilities offer CAP/CLIA assays through standardized pipelines or fully customized solutions, delivering the insights and interpretations you need to take your research to the next level.

## Inocras Bioinformatics Platform

### CancerVision

Cancer genomic profiling for personalized diagnosis and more informed treatment decisions.

- Paired somatic + germline cancer genomic profiling
- Target-enhanced whole genome sequencing, merging benefits of targeted panel (40x average read-depth WGS backbone with focused exploration of an average of 500x depth for key biomarker genes)
- Somatic driver alternations, including SNV, Indels, CNV, SV, fusion, variants in non-coding areas
- Germline variants according to ACMG guidelines
- Genome-wide markers: TMB, MSI, HRD and more

### MRDVision

WGS-informed MRD, with no personalized panel needed.

- WGS, tumor-informed minimal residual disease (MRD) detection pipeline
- WGS 30x read-depth, on average
- Extremely low ppm level limit of detection
- Powered by Inocras CancerVision platform + Ultima ppmSeq™

### RareVision

Rare disease pathogenic variant diagnosis with deep whole genome insights.

- Comprehensive rare disease pathogenic variant diagnosis
- Whole genome 30x read-depth, on average
- Variants associated with rare diseases from one of the most up-to-date databases
- Secondary findings following ACMG/ClinGen guidelines and standards

# Accelerate your research with whole genome insights

Our diverse partners range from biopharmaceutical companies, to research organizations, to health tech and beyond. We provide top-tier lab services at competitive prices, leveraging advanced automation, operational excellence, and high-throughput sequencing technology. Scale your research project with Inocras.



## For **pharmaceuticals** and **biotechs**

- Identify candidate biomarkers that correlate with outcomes
- Understand responders vs. non-responders during or post clinical trials
- Accelerate clinical trial enrollment by identifying patients for rare indications
- Analyze clinical trial results for efficacy and safety profile



## For **academia**, **CROs**, and **biobanks**

- Research genomic profiles in-depth, often resulting in new biomarker identification, or re-classification
- Profile genomic characteristics of your biospecimens to increase the value of your biospecimen assets



## For **health tech/data companies**

- Leverage genetic information to provide precision health insights to your customers and users
- Generate real world evidence data including genetic information

# Get started on your research project



**Fill out a research inquiry form.** We will reach out within 48 hours to discuss your needs and an optimal approach.



**Align on project scope and deliverables.** We will provide estimated costs and activate partnership through an MSA/SOW.



**Ship your samples to Inocras.** We will deliver your data ~14 days from receipt of the sample in our lab.



## Accepted samples

### Germline samples

Peripheral Blood  
Buccal swab  
Saliva

gDNA  
Adjacent normal tissue  
Buffy coat

### Tissue samples

Fresh frozen tissue  
FFPE tissue

Ready to partner with us on your research? Please fill out and submit an inquiry form and we will get in touch with you within 48 hours to address your project needs, or get in touch with us at [inquiry@inocras.com](mailto:inquiry@inocras.com)





**INOCRAS**

[INOCRAS.COM](http://INOCRAS.COM)  
6330 Nancy Ridge Drive, Suite 106  
San Diego, CA 92121