



# The Stanford-Resolve Biosciences Spatially Resolved Transcriptomics Early Access Opportunity

Apply for one of three Molecular Cartography™ RNA profiling projects

## What is the Spatially Resolved Transcriptomics Early Access Opportunity?

Nature declared spatially resolved transcriptomics 2020 Method of the year. Without a doubt this emerging field is going to play a major role in transforming our understanding of systems biology. This powerful method will impact your research by providing answers to scientific questions previously left unanswered. Therefore Resolve Biosciences with Stanford University Protein and Nucleic Acid (PAN) Facility will demonstrate this valuable technology by providing instrument access to three competitive Molecular Cartography RNA profiling projects, of 8 samples each, to scientists who propose projects that can advance their field of study. Projects will be selected based on technical feasibility and the potential to accelerate a specific area of research.

## What is Molecular Cartography™?

This pioneering platform produces deep contextual data sets that illuminate molecular interactions at subcellular resolution while maintaining tissue integrity. Molecular Cartography interrogates RNA transcript activity from 100 genes of your choice per sample run, with each slide suitable for up to 8 samples. [Click here](#) to download our information demonstrating the utility of spatial genomics.

## What is the application process?

Visit [www.resolve-biosciences.com/stanford](http://www.resolve-biosciences.com/stanford)

- 1.) In no more than 600 words, outline the following:
  - Hypothesis | • Experimental design | • Scientific area | • Research significance | • Impact of your research
- 2.) Submission deadline 08/30/2021
- 3.) Resolve Biosciences will evaluate the project feasibility and identify potential technical questions.
- 4.) Notification of award 09/07/2021

## Which species and tissue types can be used?\*

Species	Tissue	Condition	Rin Score
Human Mouse	Brain Liver Heart Kidney	Fresh frozen non-tumor	>6
Human Mouse PDX	NSCLC Breast Colorectal Prostate	Fresh frozen tumor	

\*Note method development for some tumor samples will be required. FFPE samples cannot be guaranteed at this time.

## What are the terms and conditions of this opportunity?

- Publications and Promotion: You will be asked to verify on the application landing page that you are willing to co-present your data on 2 occasions within 3 months of project completion (excepting data reserved for original content in a peer-reviewed journal)
- Samples: You will be asked to confirm that samples will be available for processing within 15 business days of project being selected.
- Informed consent: All human samples must have received IRB approval and informed consent to be used for research purposes.
- Communication: You will be asked to verify that you will respond to Resolve Biosciences communications, during the selection and project process including upon project completion, within 3 business days.
- If any of the above requirements cannot be met, unless agreed to by both parties, the project opportunity may be forfeited.

## What if I have questions?

For technical questions, please contact Sam Stingley, PhD [sam.stingley@resolve-biosciences.com](mailto:sam.stingley@resolve-biosciences.com)

For general questions contact the PAN Core Director, Michael Eckhart, Ph.D. [meckart@stanford.edu](mailto:meckart@stanford.edu)