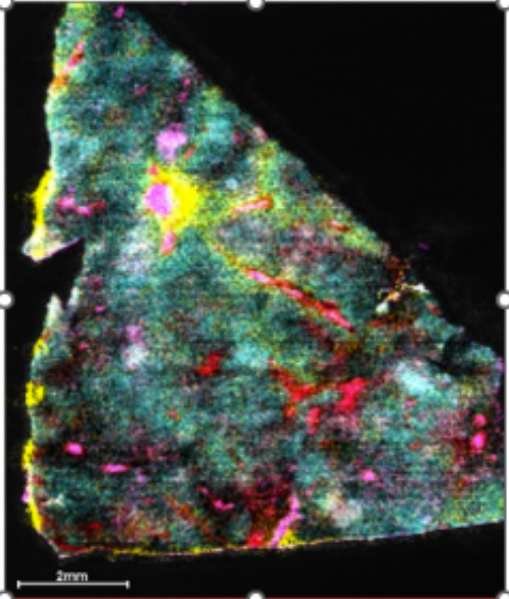


**From:** Presha Rajbhandari pr2162@columbia.edu  
**Subject:** Re: Re: [External] Invitation to Register Data in the Human Reference Atlas (HRA)  
**Date:** February 25, 2025 at 11:34 AM  
**To:** Apte, Siddharth Sachin sapte@iu.edu  
**Cc:** Qaurooni, Dan dequeue@iu.edu, Tian, Hua hut17@pitt.edu

PR

You don't often get email from pr2162@columbia.edu. [Learn why this is important](#)



Hi Siddharth,

The approximate size of the whole block is about 1cmx1cm. Screenshot attached. But the OMAP with SIMS was created on a smaller section- I believe 1mm2- Hua can confirm.

The metadata including donor\_ID on hubmap portal is below.

donor\_id - Age - Sex - Race - Medical history- Area of Liver  
HBM384.JGFB.757- 51 -Female - White Benign hemangioma- Left lobe

Best,  
Presha

On Tue, Feb 25, 2025 at 11:03 AM Apte, Siddharth Sachin <sapte@iu.edu> wrote:

### This Message Is From an External Sender

This message came from outside your organization.

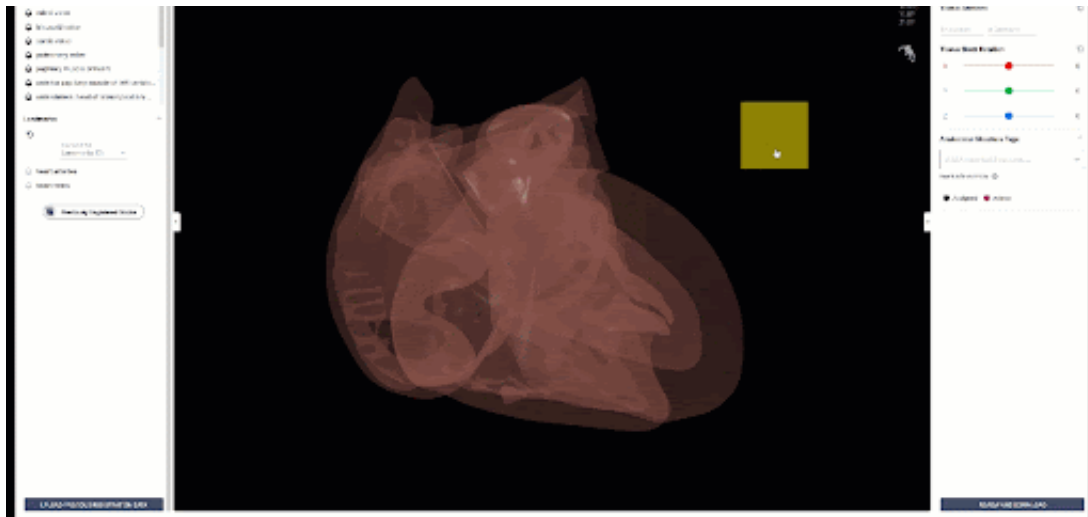
Dear Presha Rajbhandari,

Thanks for getting back to us on this. What we put into registration is

- 1) Location data (the approximate size and anatomic location) (your best judgment) and
- 2) Metadata about the sample (minimally, donor sex and age bracket)

As an example, the GIF below shows a tissue block being registered into the heart:





Please let us know who would best be able to provide us with both of these components, then we can proceed with the registration.

Thank you and looking forward!

Regards,  
Siddharth Apte  
Registration Coordinator,  
Human Reference Atlas (<https://humanatlas.io/>)  
CNS Center (<https://cns.iu.edu>)  
Indiana University Bloomington

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**From:** Presha Rajbhandari <[pr2162@columbia.edu](mailto:pr2162@columbia.edu)>  
**Sent:** Thursday, February 20, 2025 3:21 PM  
**To:** Apte, Siddharth Sachin <[sapte@iu.edu](mailto:sapte@iu.edu)>  
**Cc:** Qaurooni, Dan <[dequeue@iu.edu](mailto:dequeue@iu.edu)>; Tian, Hua <[hut17@pitt.edu](mailto:hut17@pitt.edu)>  
**Subject:** [External] Re: Invitation to Register Data in the Human Reference Atlas (HRA)

This message was sent from a non-IU address. Please exercise caution when clicking links or opening attachments from external sources.

Hi Siddharth,  
Sorry for the late reply. The OMAP data was acquired by our collaborator- Hua Tian, who should be able to help. If you need any information about the sample itself, I'll be able to provide it. Thank you.

Best,  
Preha

On Wed, Feb 19, 2025 at 4:10 PM Apte, Siddharth Sachin <[sapte@iu.edu](mailto:sapte@iu.edu)> wrote:

**This Message Is From an External Sender**

This message came from outside your organization. Dear Presha Rajbhandari,

I hope you are well. I wanted to follow up on my earlier email about registering the data from your paper, OMAP-5 based on Multi-modal mass spectrometry imaging reveals single-cell metabolic states in mammalian liver, into the Human Reference Atlas.

Regards,  
Siddharth Apte  
Registration Coordinator,  
Human Reference Atlas (<https://humanatlas.io/>)  
CNS Center (<https://cns.iu.edu>)  
Indiana University Bloomington

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**From:** Apte, Siddharth Sachin <[sapte@iu.edu](mailto:sapte@iu.edu)>  
**Sent:** Wednesday, February 12, 2025 3:03 PM  
**To:** [pr2162@columbia.edu](mailto:pr2162@columbia.edu) <[pr2162@columbia.edu](mailto:pr2162@columbia.edu)>  
**Cc:** Qaurooni, Dan <[dequeue@iu.edu](mailto:dequeue@iu.edu)>  
**Subject:** Re: Invitation to Register Data in the Human Reference Atlas (HRA)

Dear Presha Rajbhandari,

I hope you are well. I wanted to follow up on my earlier email about registering the data from your paper, OMAP-5 based on Multi-modal mass spectrometry imaging reveals single-cell metabolic states in mammalian liver, into the Human Reference Atlas.

Regards,  
Siddharth Apte  
Registration Coordinator,  
Human Reference Atlas (<https://humanatlas.io/>)  
CNS Center (<https://cns.iu.edu>)  
Indiana University Bloomington

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**From:** Apte, Siddharth Sachin <[sapte@iu.edu](mailto:sapte@iu.edu)>  
**Sent:** Wednesday, February 5, 2025 3:55 PM  
**To:** [pr2162@columbia.edu](mailto:pr2162@columbia.edu) <[pr2162@columbia.edu](mailto:pr2162@columbia.edu)>  
**Cc:** Qaurooni, Dan <[dequeue@iu.edu](mailto:dequeue@iu.edu)>  
**Subject:** Invitation to Register Data in the Human Reference Atlas (HRA)

Dear Presha Rajbhandari,

I hope you are well. My name is Siddharth Apte, and I serve as the registration coordinator for the Human Reference Atlas (HRA), an NIH-supported initiative to create a spatial atlas of the adult human body at single cell level. I am reaching

out to see if you are interested in registering the data featured in your paper, OMAP-5 based on Multi-modal mass spectrometry imaging reveals single-cell metabolic states in mammalian liver into the HRA.

Registering your data into the HRA requires creating 3D tissue blocks that represent the extraction site for your tissue and linking it to the publication or portal. The process usually takes less than thirty minutes and can be completed during a Zoom call with a team member familiar with:

- 1.the approximate size and anatomic location of the tissue sample(s),
- 2.basic donor information (minimally, donor sex and age bracket).

Once you confirm the accuracy of the registration, your data will be featured alongside hundreds of others in the growing HRA universe, increasing its visibility to the biomedical community. You can go to the link below to see the latest version of the HRA: <https://apps.humanatlas.io/eui/>

Your data would be a great addition to the HRA. Please let me know if we can schedule a registration session. I would be happy to answer any questions and look forward to hearing from you.

Regards,  
Siddharth Apte  
Registration Coordinator,  
Human Reference Atlas (<https://humanatlas.io/>)  
CNS Center (<https://cns.iu.edu>)  
Indiana University Bloomington