nature methods

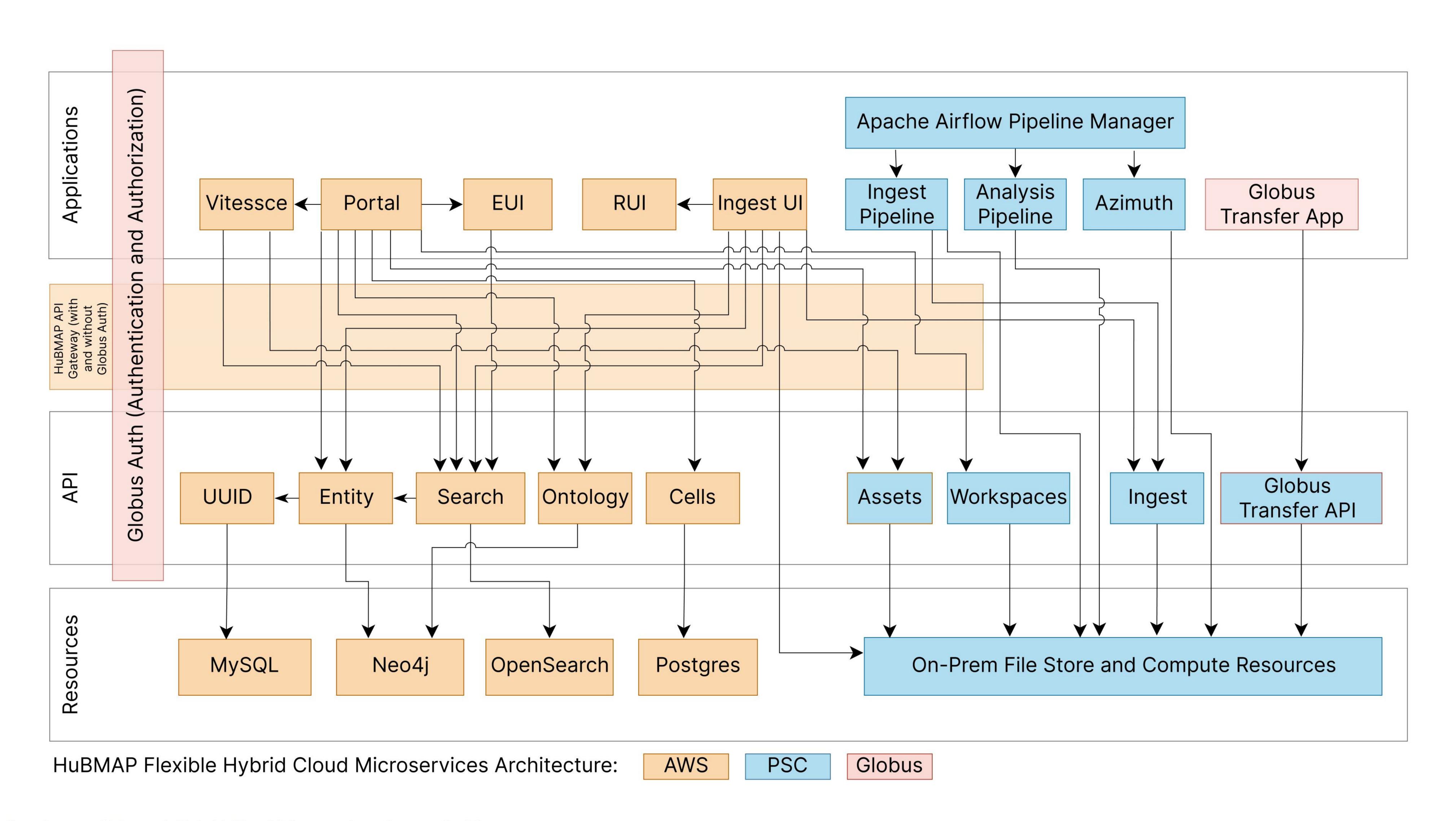


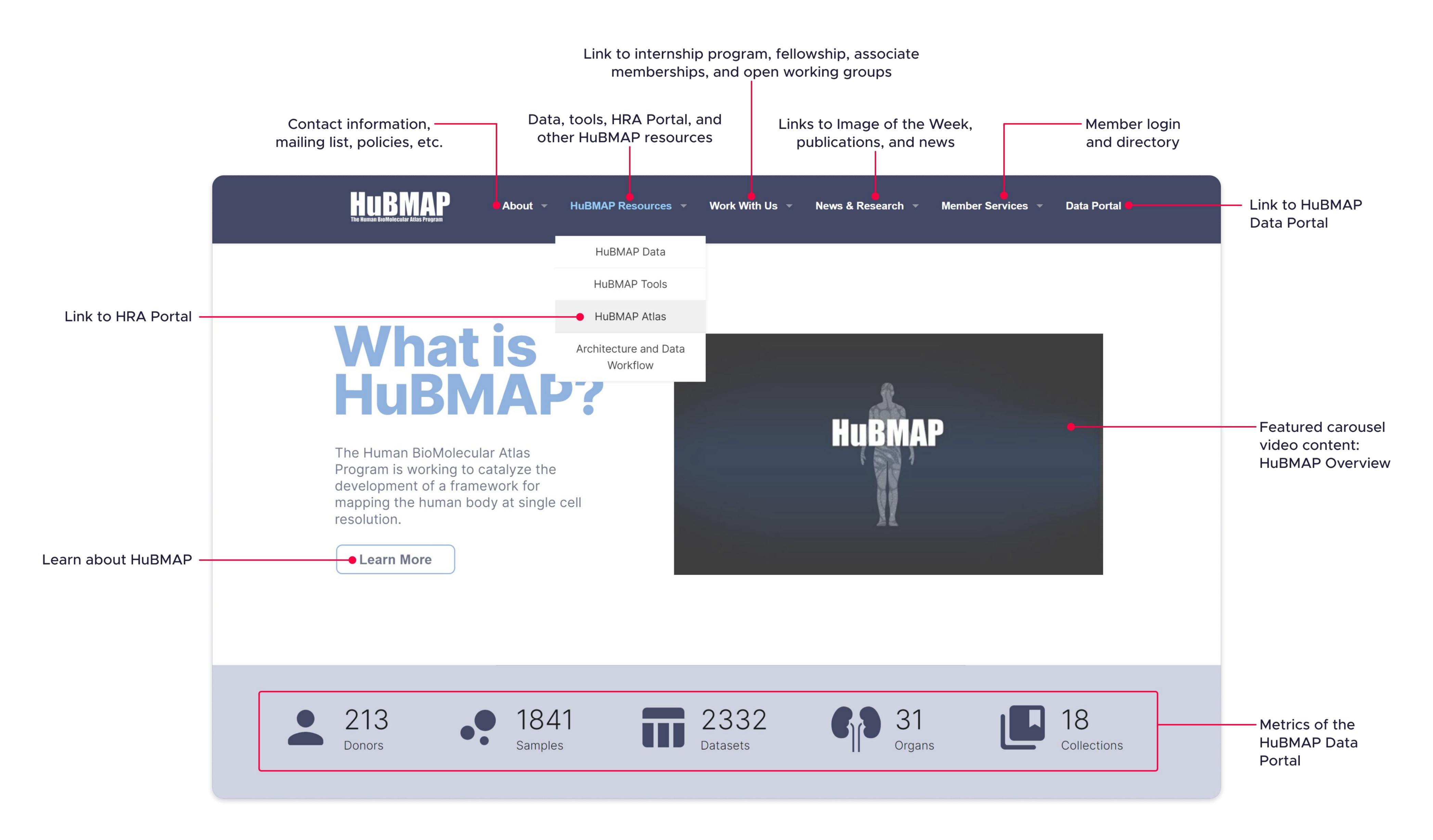
Supplementary information

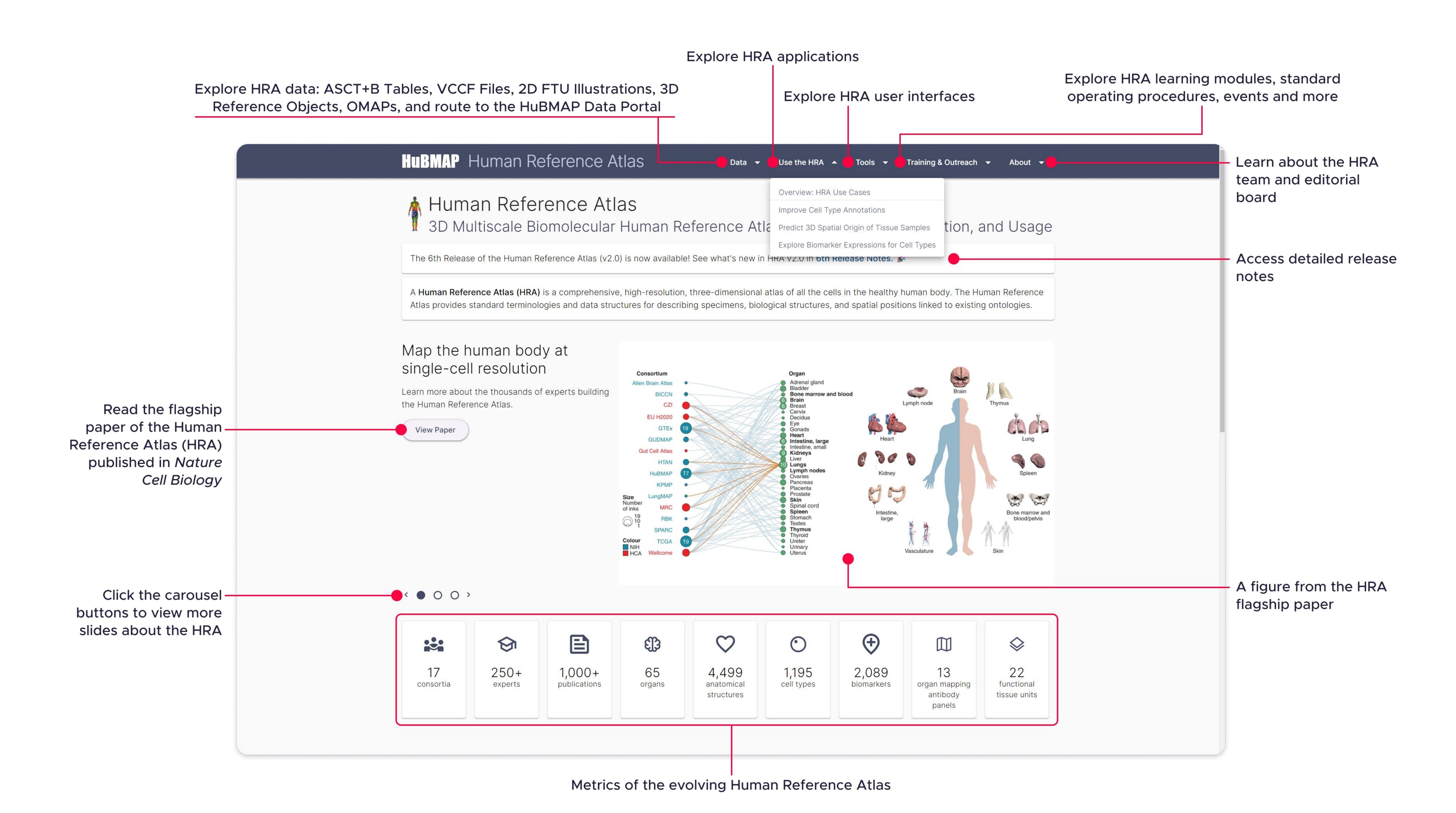
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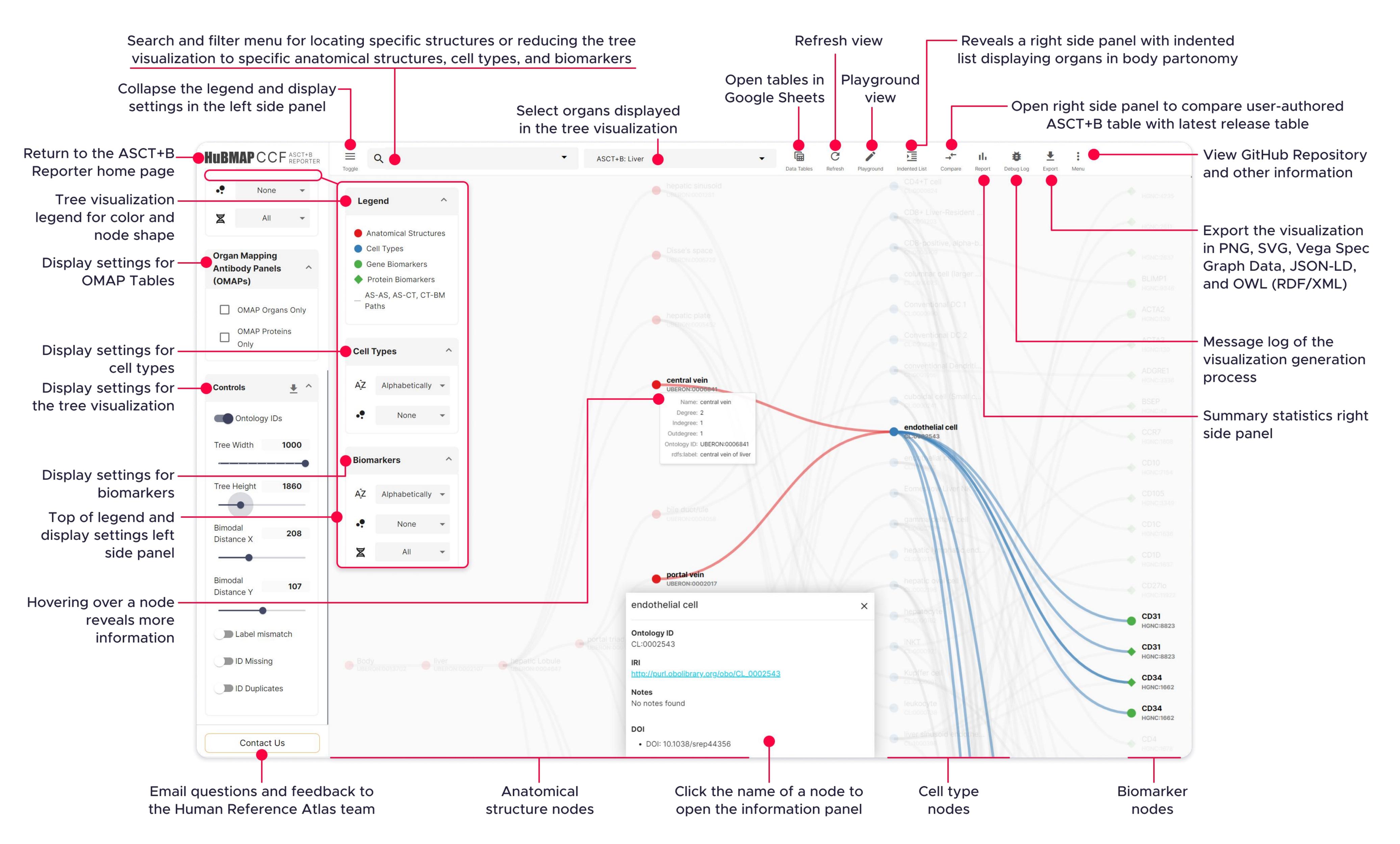
Human BioMolecular Atlas Program (HuBMAP): 3D Human Reference Atlas construction and usage

In the format provided by the authors and unedited

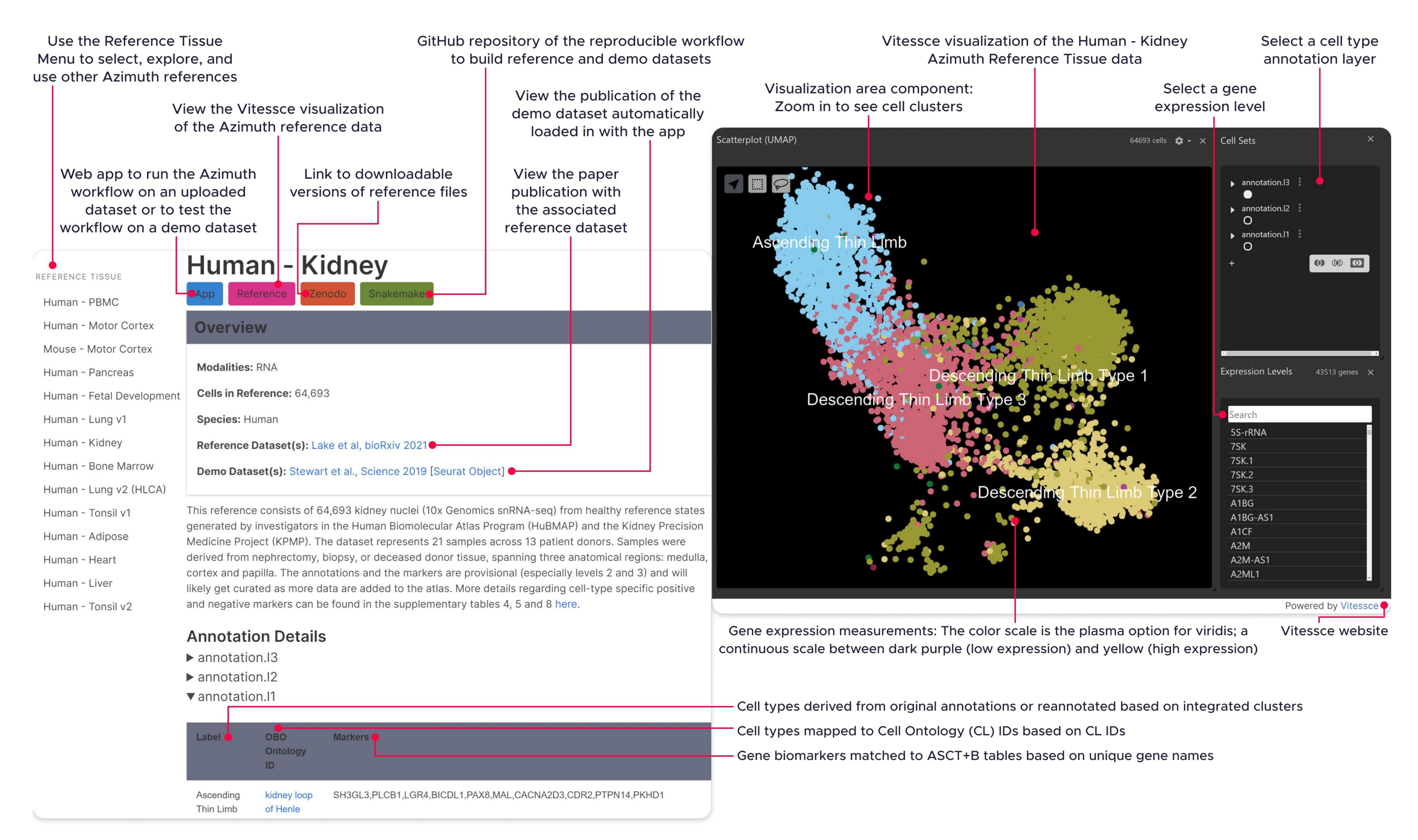




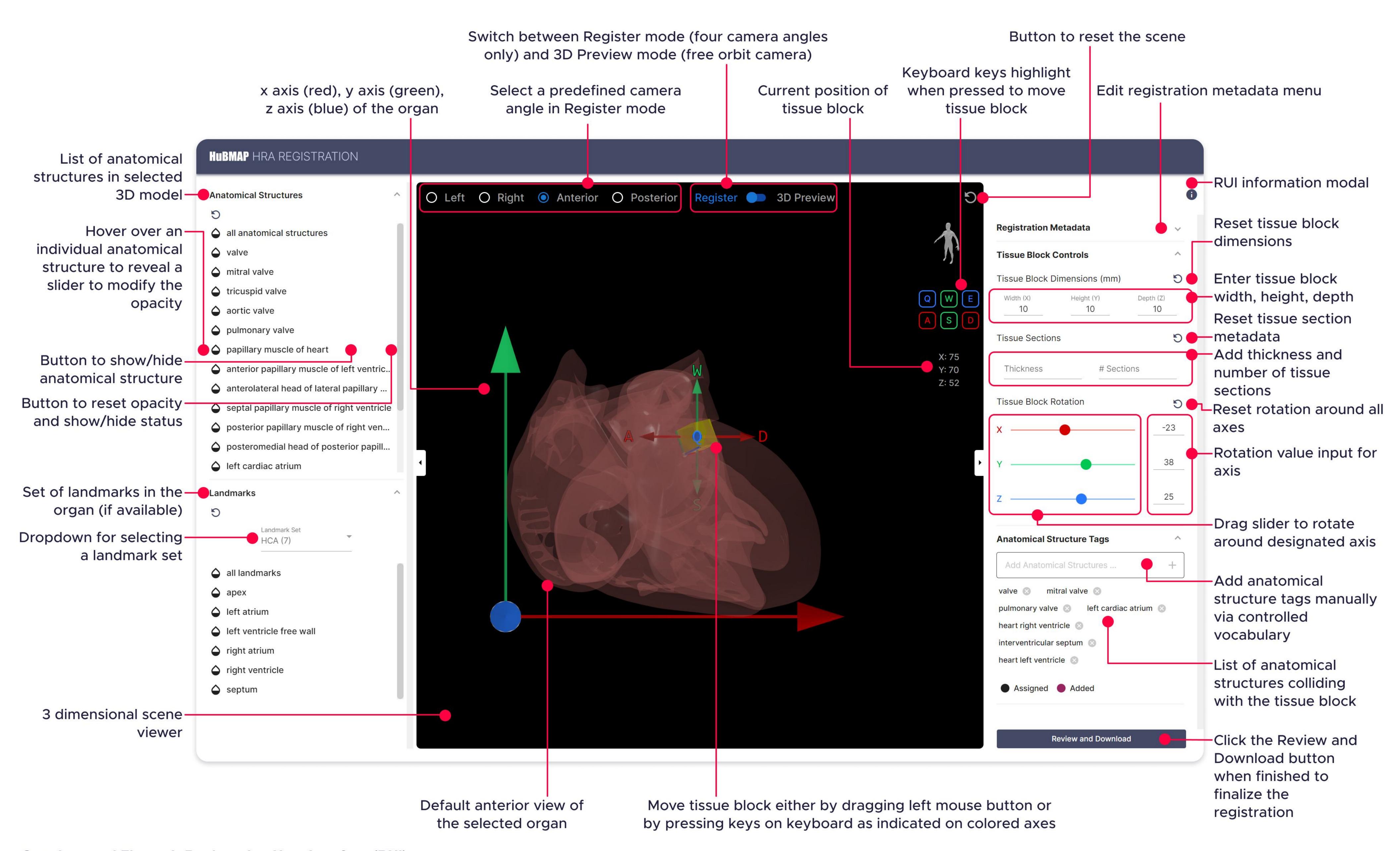




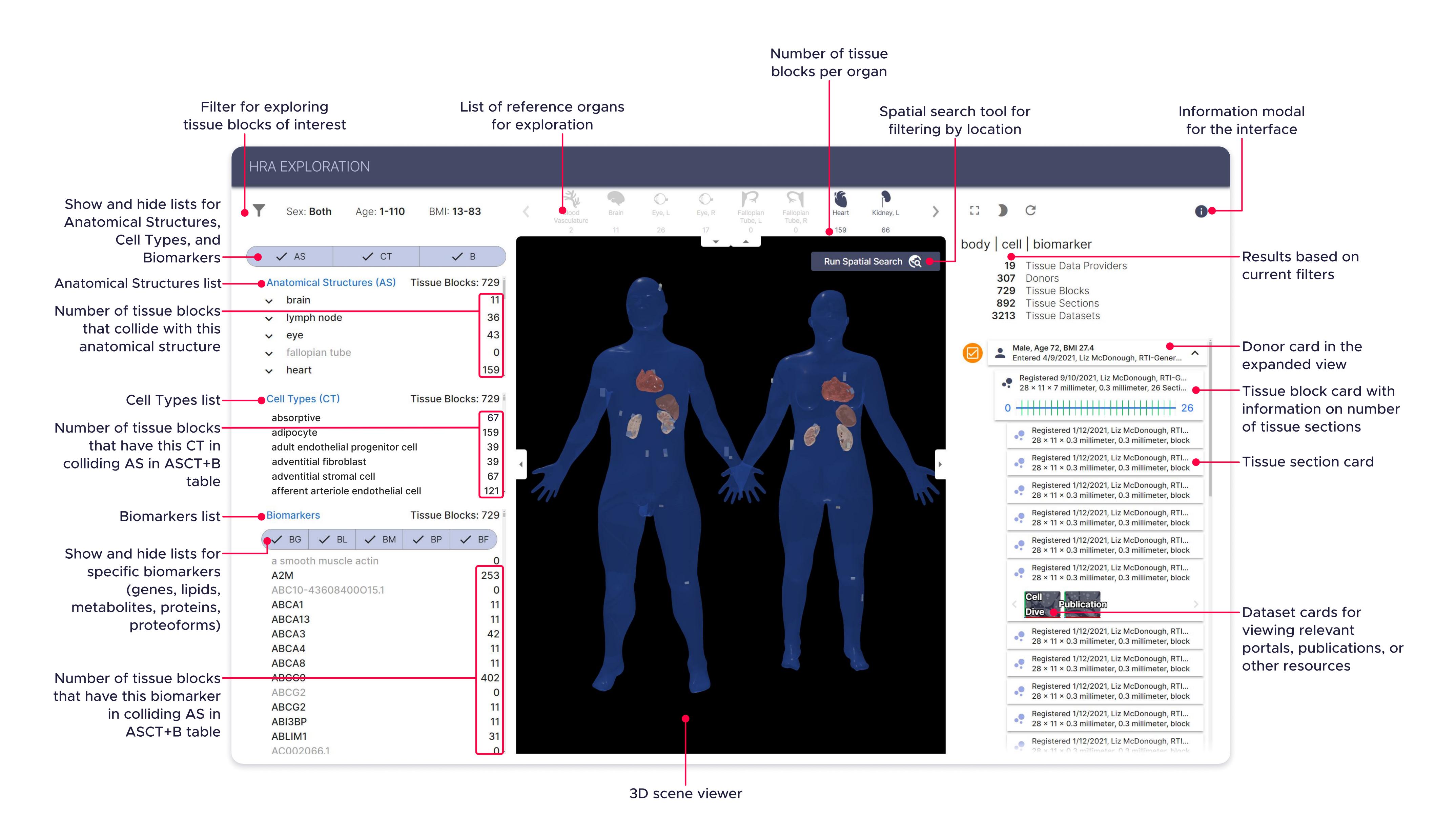
Supplemental Figure 4: ASCT+B Reporter User Interface



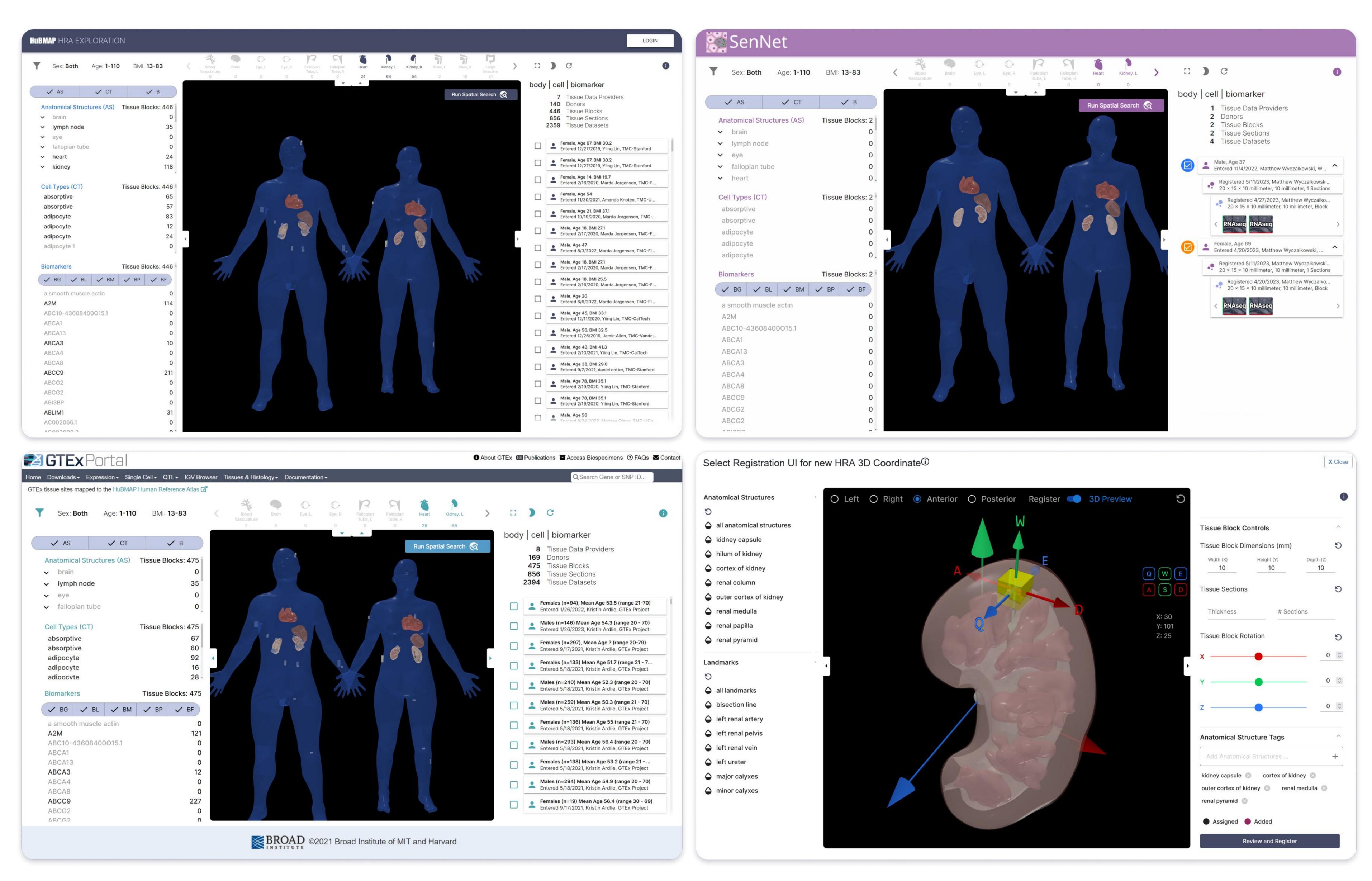
Supplemental Figure 5. Azimuth Portal and Reference Explorer User Interface



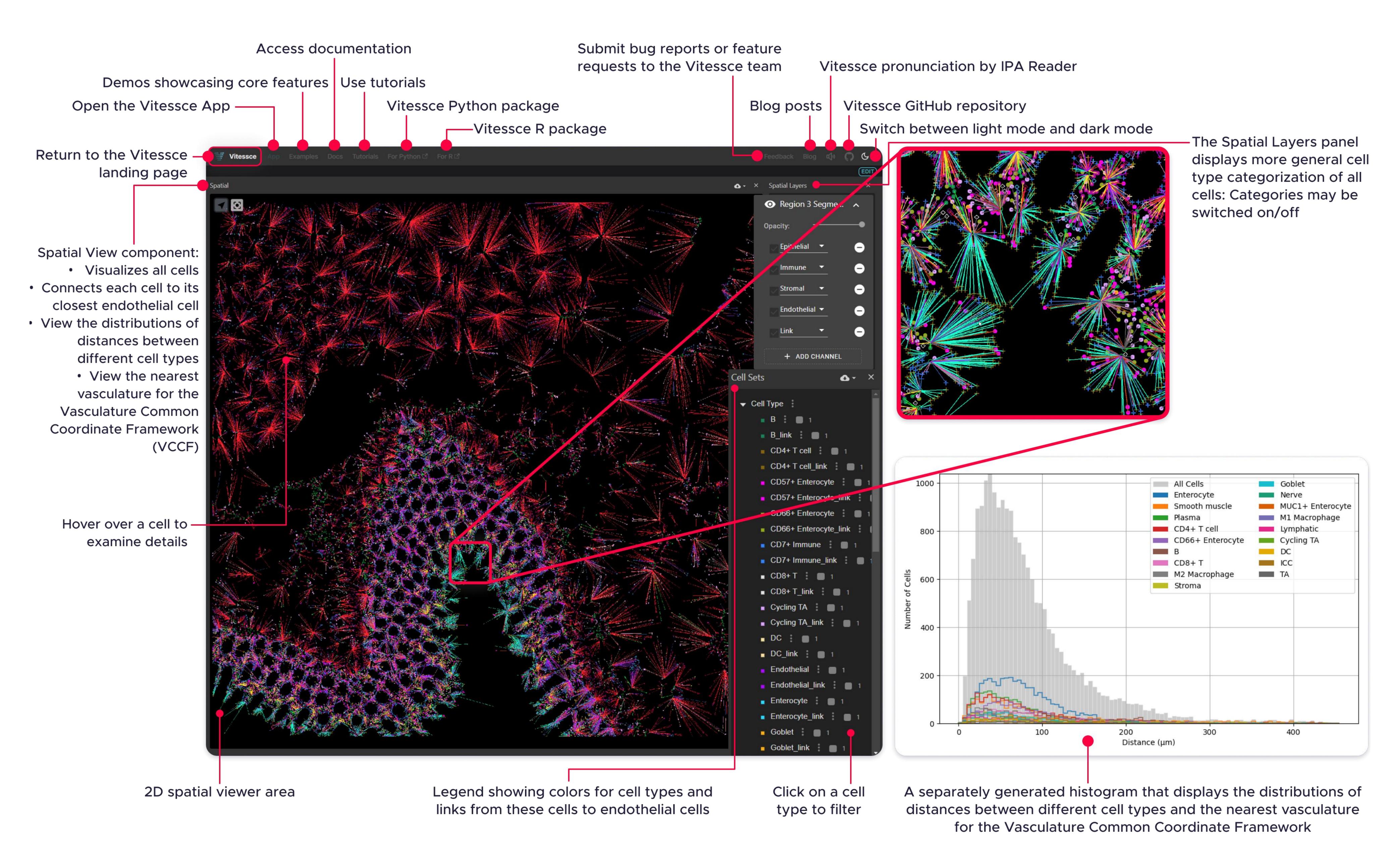
Supplemental Figure 6. Registration User Interface (RUI)



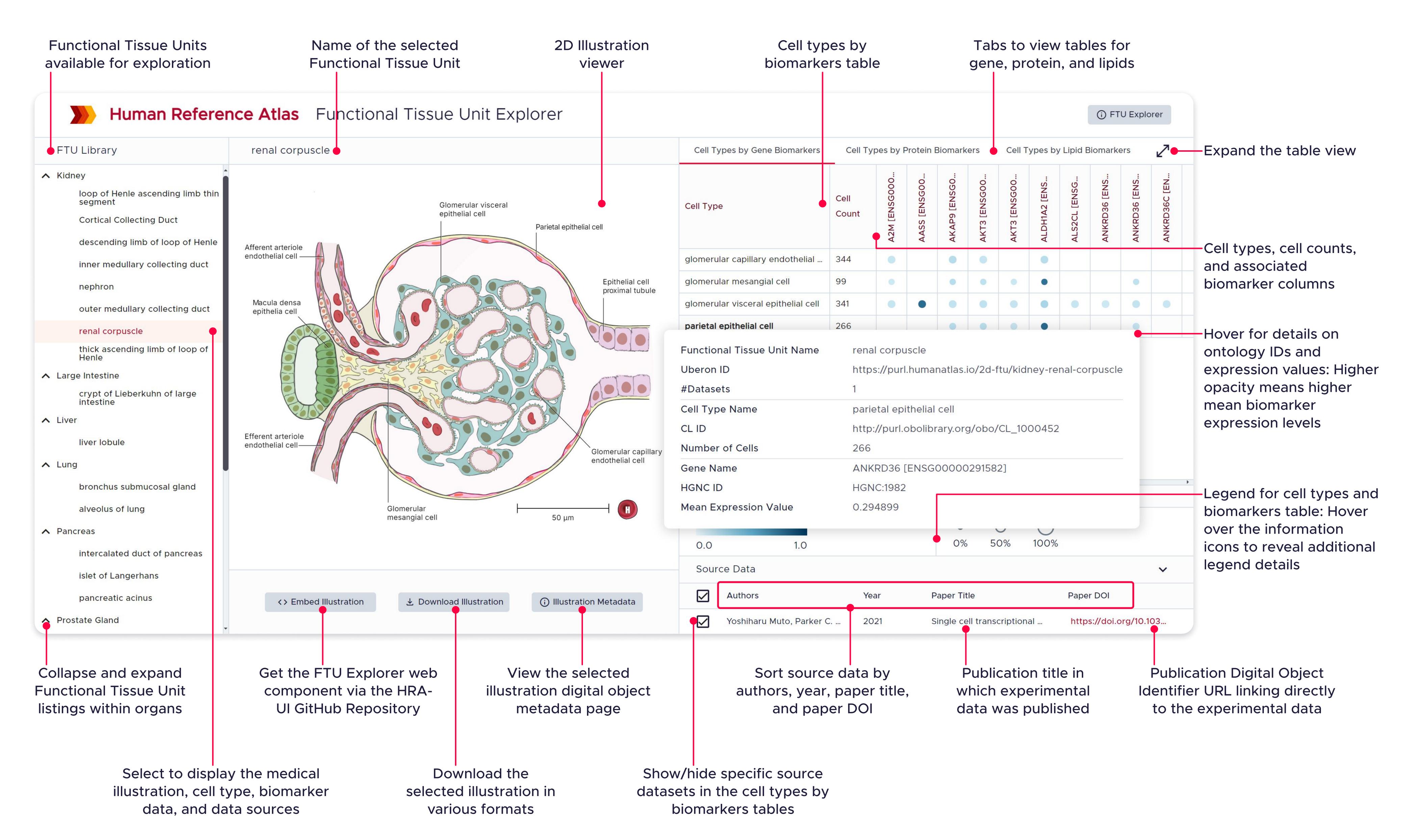
Supplemental Figure 7: Exploration User Interface (EUI)



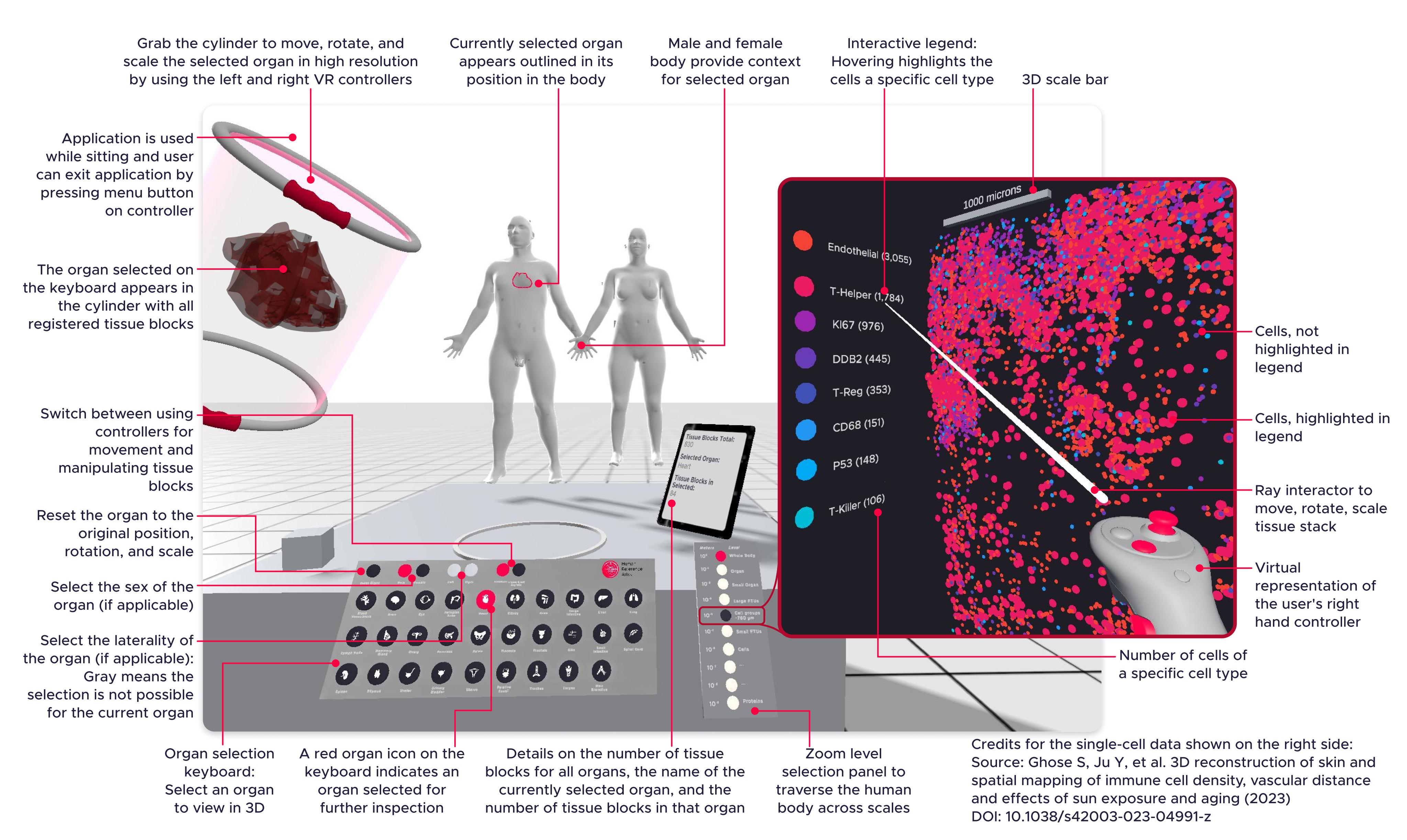
Supplemental Figure 8: Customized, Branded Deployment of EUI in HuBMAP, SenNet, GTEx, and RUI in GUDMAP



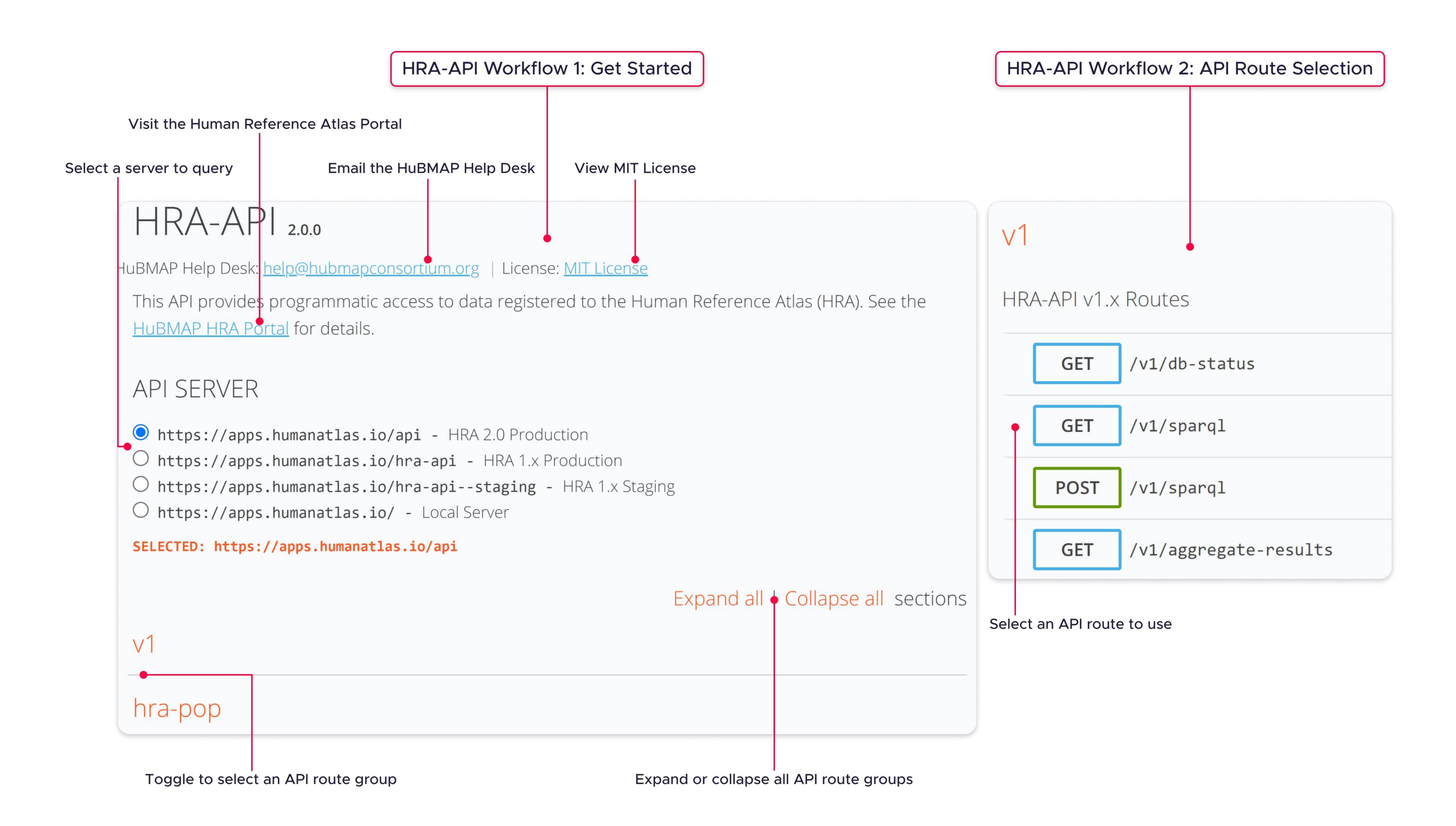
Supplemental Figure 9: Vasculature Common Coordinate Framework Distance Visualizations



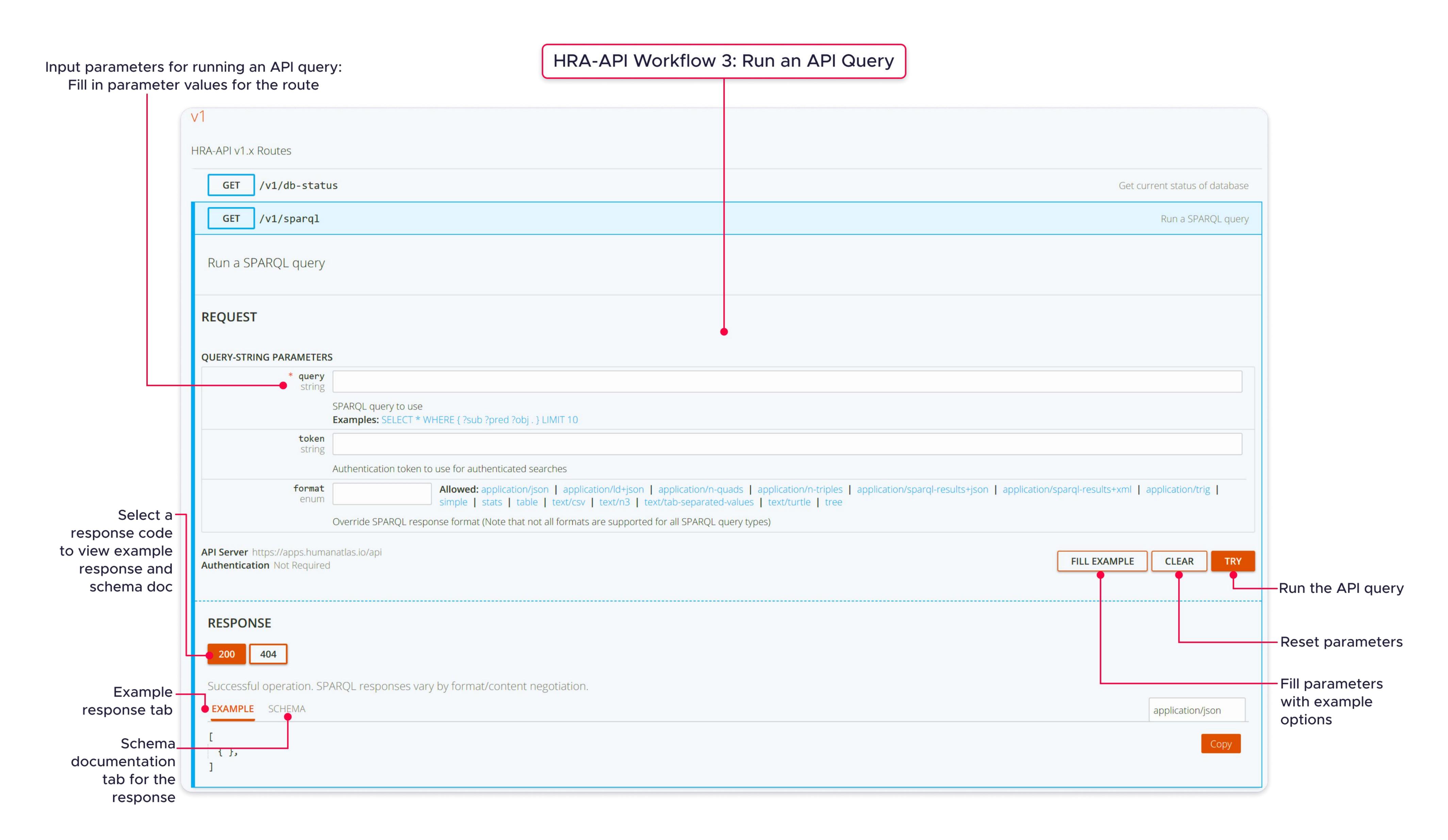
Supplemental Figure 10: Interactive FTU Explorer



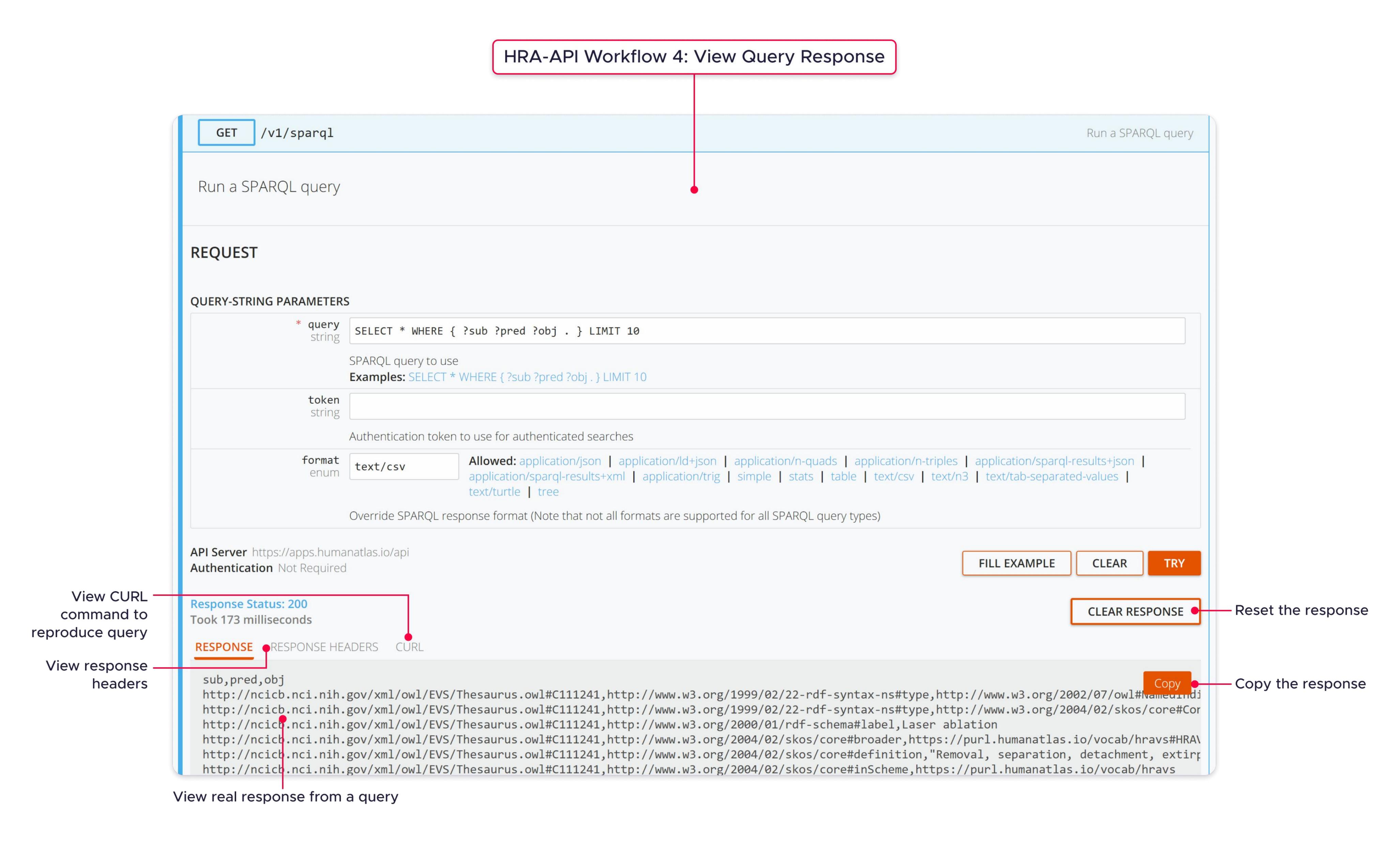
Supplemental Figure 11: HRA Organ Gallery



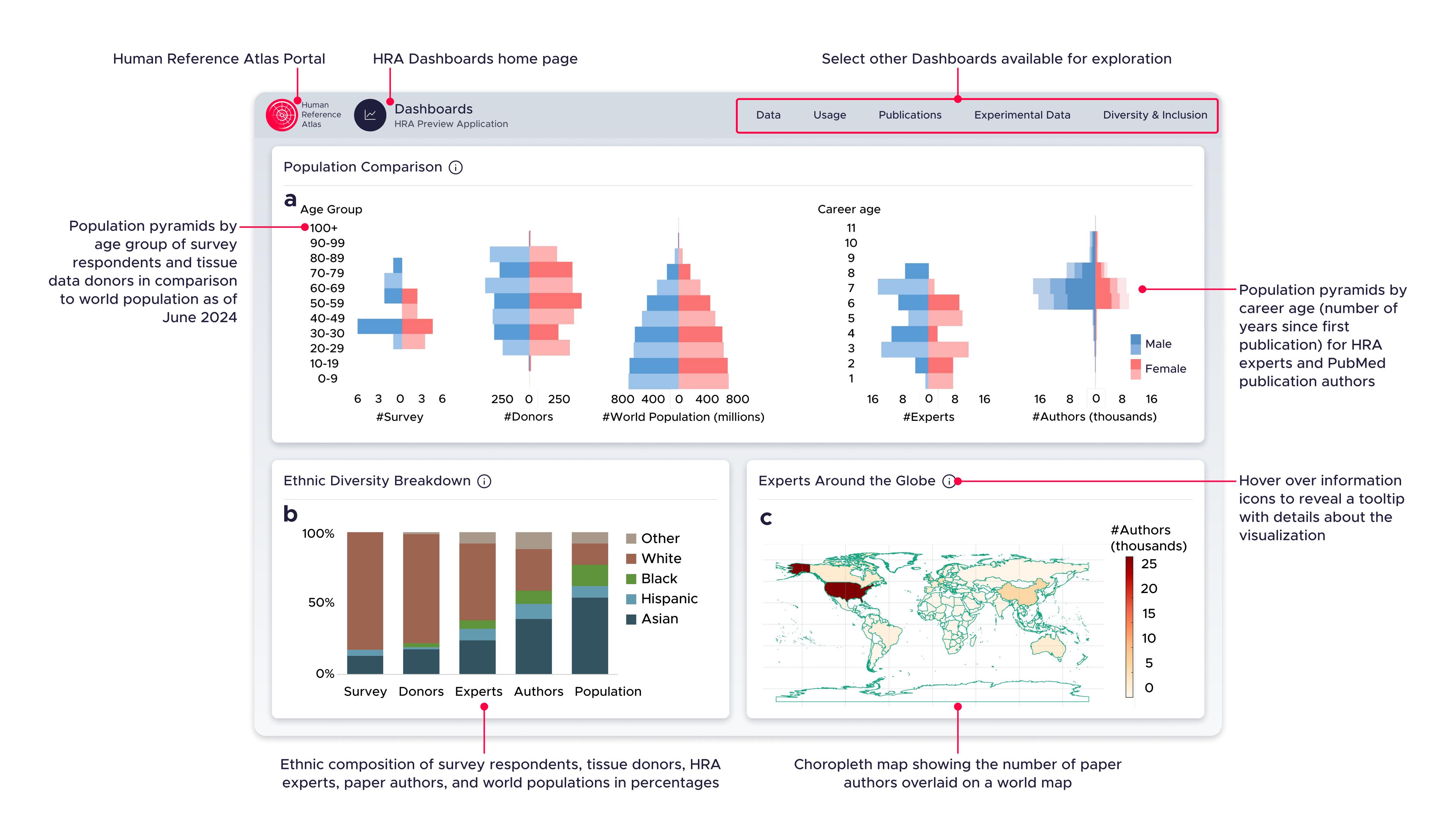
Supplemental Figure 12: Human Reference Atlas Application Programming Interface: Get Started and API Route Selection

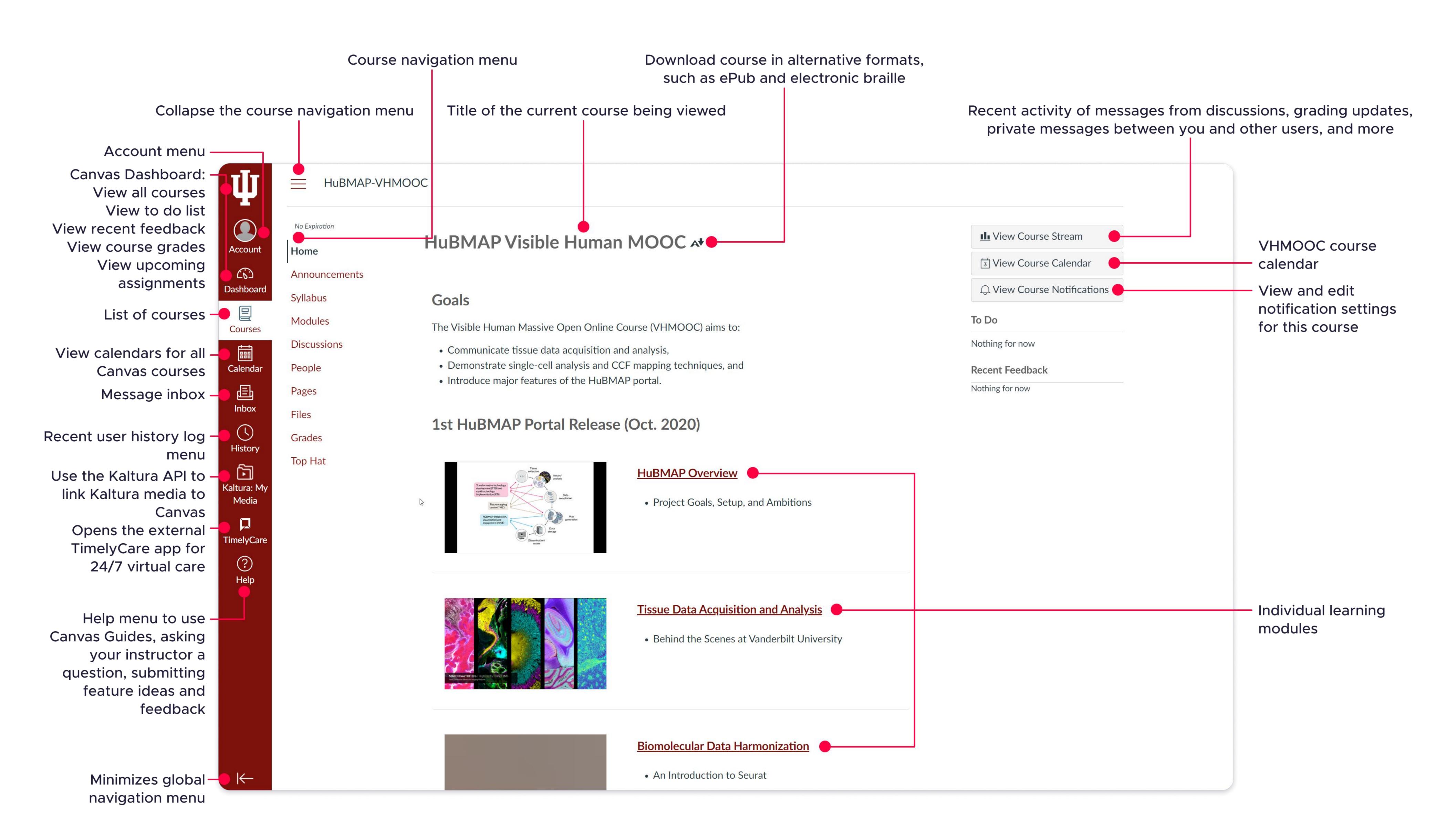


Supplemental Figure 13: Human Reference Atlas Application Programming Interface: Run an API Query

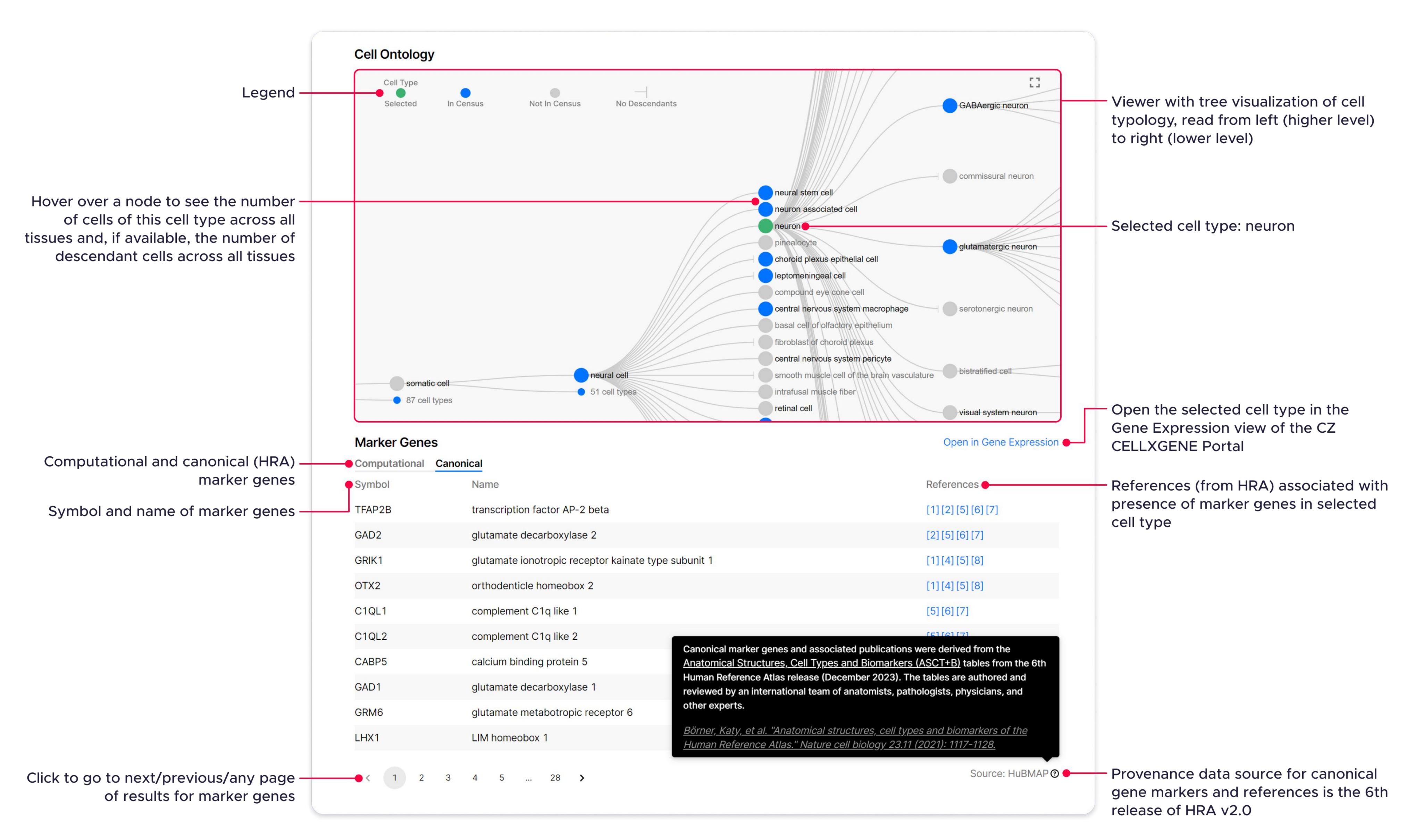


Supplemental Figure 14: Human Reference Atlas Application Programming Interface: View Query Response





Supplemental Figure 16: Visible Human Massive Open Online Course (MOOC)



Supplemental Figure 17: CZ CellGuide Visualization With 'Canonical' Marker Genes And 'References' From The HRA