

Scope2Screen: Focus+Context Techniques for Pathology TumorAssessment in Multivariate Image Data

Expert Survey (Questionnaire Results after Hands-On Usage of Tool)

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
1. The application interface design is intuitive and accessible.			1	1	1
2. Global channel (marker) selection and configuration are manageable.			1	2	
3. The focus+context approach (i.e. localized interaction via the lens) improved exploration over an overview + detail approach (i.e. the viewer without the lens).					3
4. The lens tool within the viewer is distracting.		2	1		
5. Lens magnification is helpful for observing local ROIs.					3
6. The channel filters (isolating single channel, multiple channels in lens) are helpful for comparing local and global results.				2	1
7. The pre-set channel combination lens is helpful for understanding cell populations.				2	1
8. The split-screen lens is helpful to relate H&E data to CyCIF data and to validate the alignment.					3
9. The single-cell lens features (histograms, radial plot) are helpful to relate to spatially referenced single-cell expressions				1	2
10. The cell type lens is helpful for identifying and validate cell type results from classification.				1	2
11. The similarity search returns 'similar areas' aligning with the visual impression of similarity.			1	2	
12. The segmentation outline filter is helpful for image comparison.			1	1	1
13. The snapshot fuctionality and dotter panel (right) is useful for saving and annotating ROIs.				2	1
14. The tool is easy to learn and use.				2	1

*numbers refer to the nu,ber of experts giving this answer

