

Yuli Wu

Contour Refinement of Leukocyte Segmentations in Scans of Stained Bone Marrow



Lehrstuhl für
Bildverarbeitung

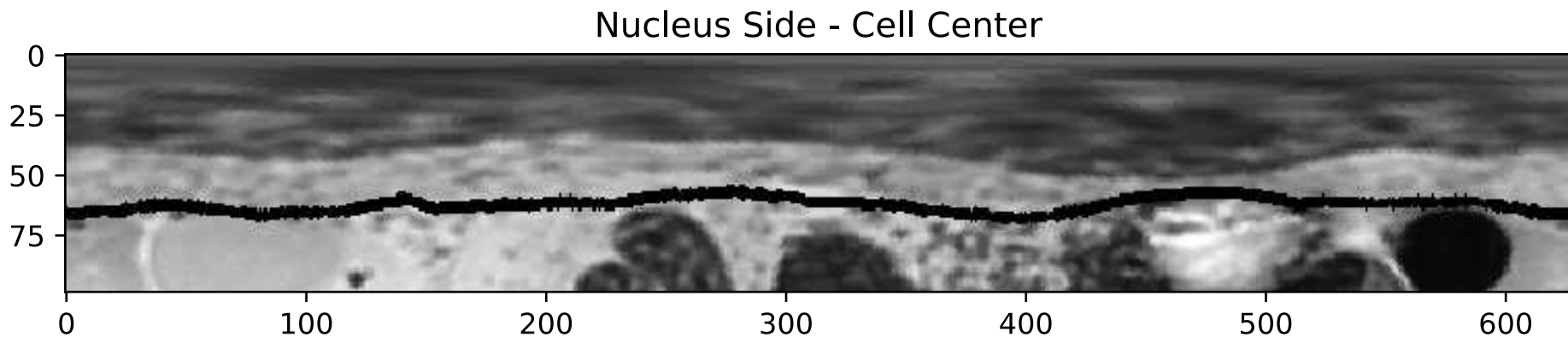
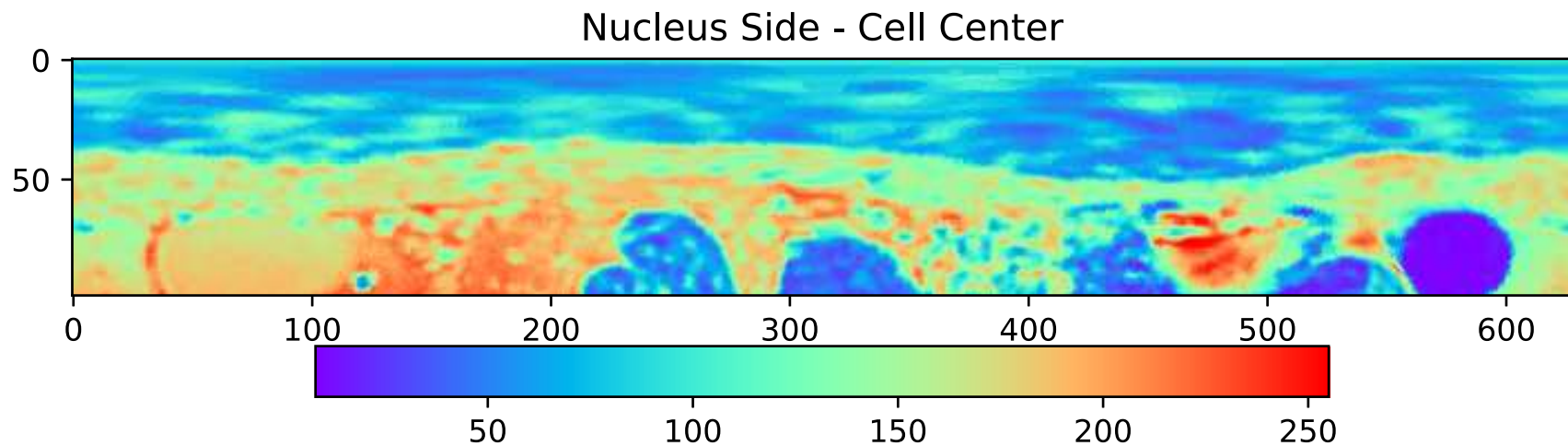
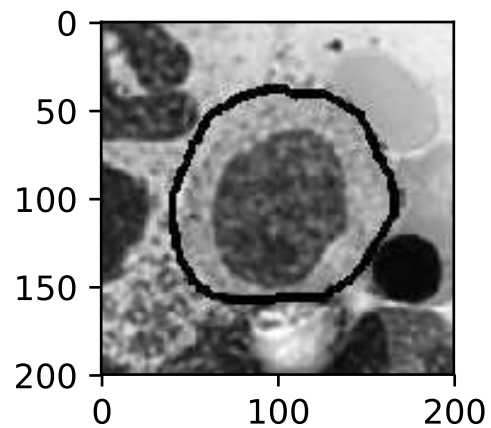
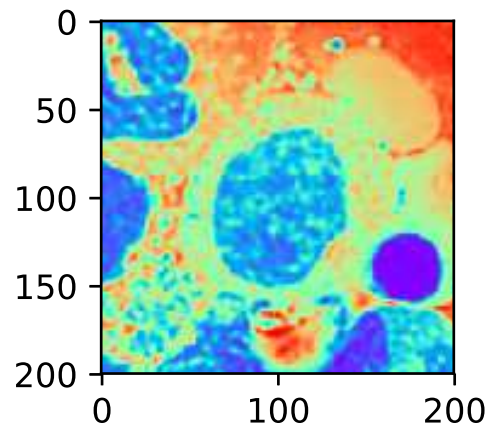
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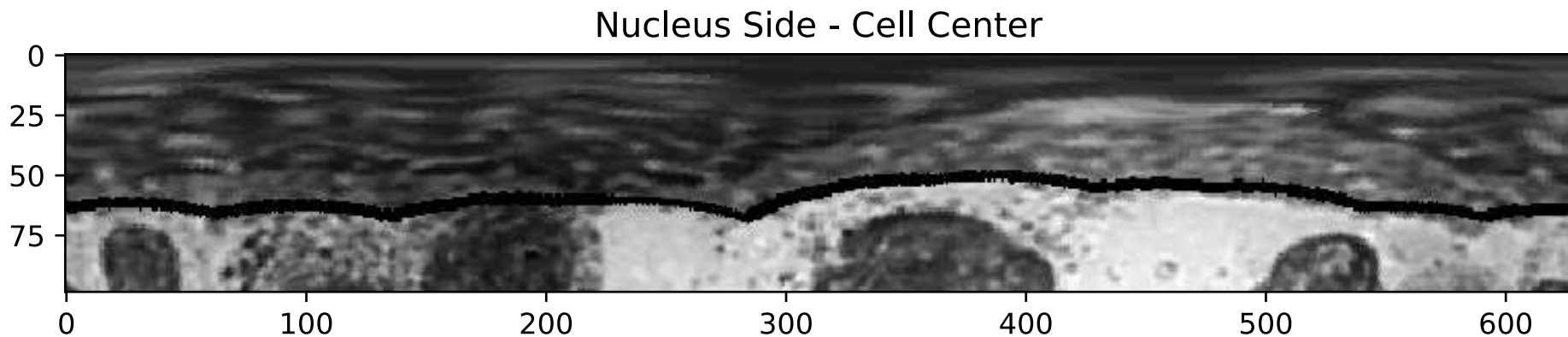
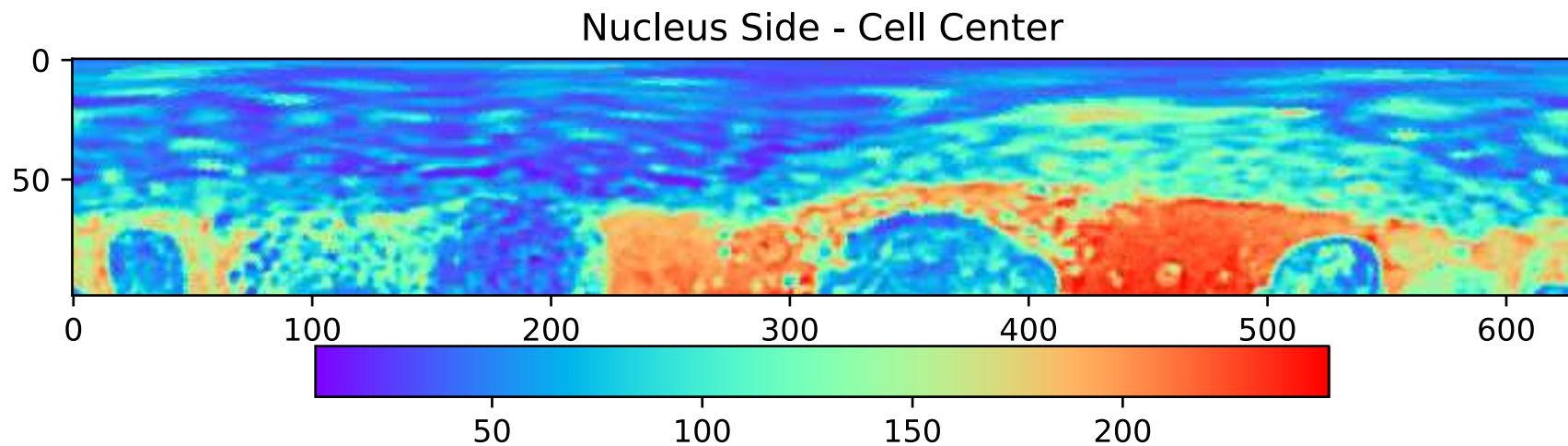
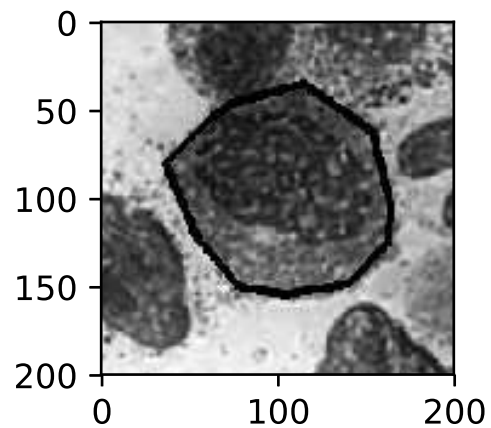
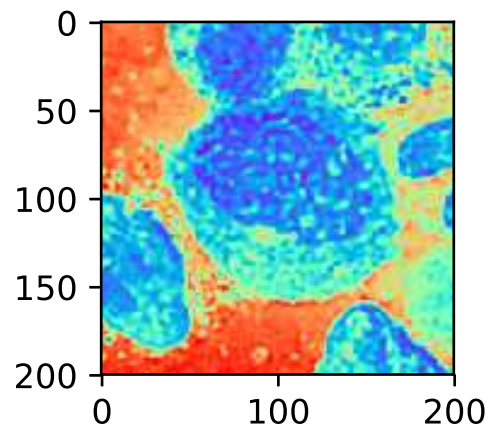
Gradients in Polar Coordinates

Methodology

2

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Ground-Truth contour





- Sometimes easy:
 - + Clear boundary
 - + Linear contour
- Sometimes hard:
 - Ambiguous boundary
 - Curved contour

Nonnaisation





Representing

segmentation















Yui Wu

Content Refinement of Labeled Segments in Stained Bone Marrow

Watershed





- Ambiguous boundary

+ Clear boundary

• Sometimes hard:

-cunveedcontour

+Linear control

• sometimes easy:

- Seeds are pre-marked: 85% of initial circle

- Resist irregular nuclei







Methodology



Nonnaisation



Approaching







