

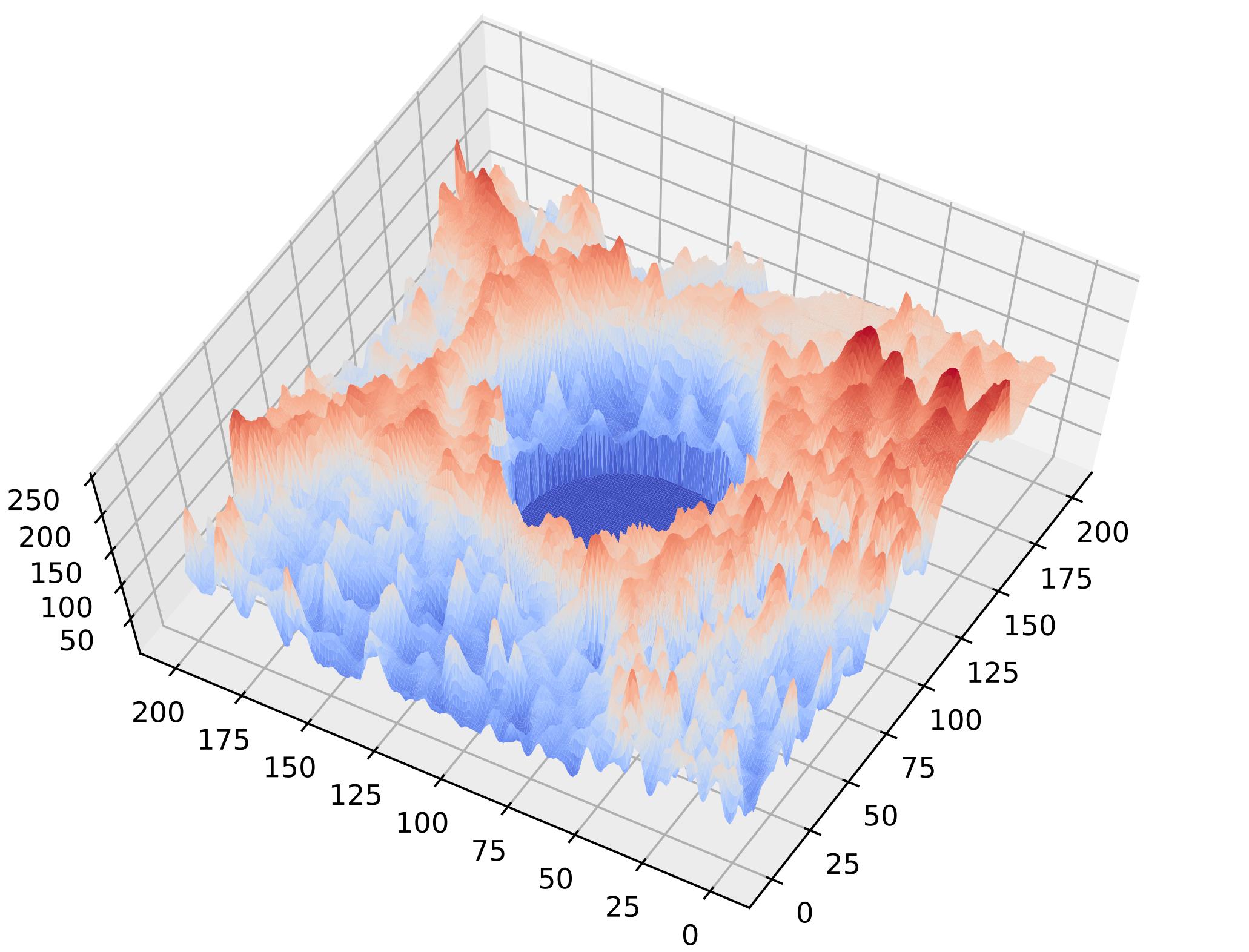
Yuli Wu

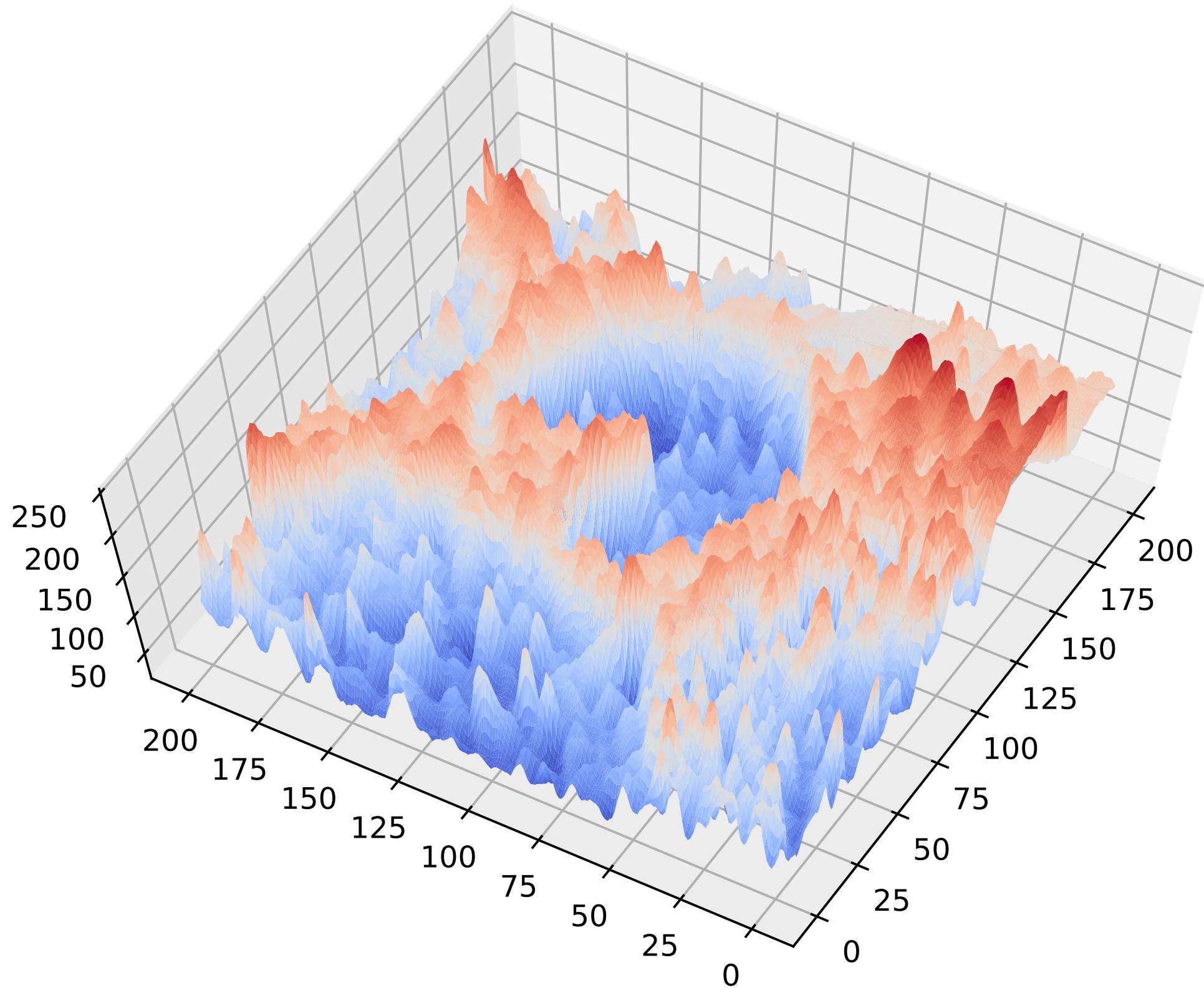
Segmentation of Leukocyte Segments in Stained Bone Marrow Scans Using Contour Refinement



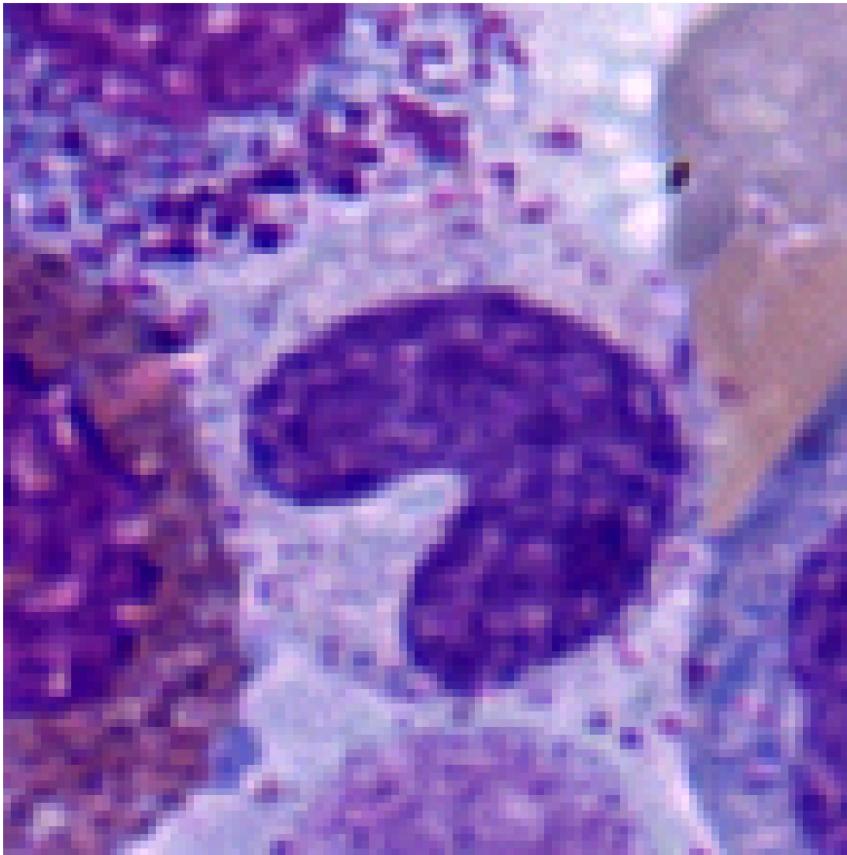
**Lehrstuhl für
Bildverarbeitung**

**RWTHAACHEN
UNIVERSITY**



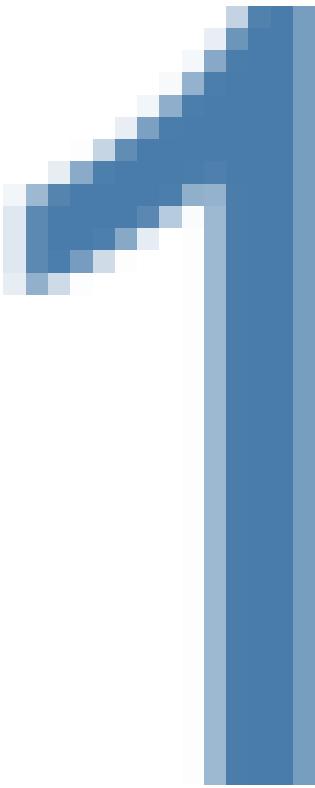
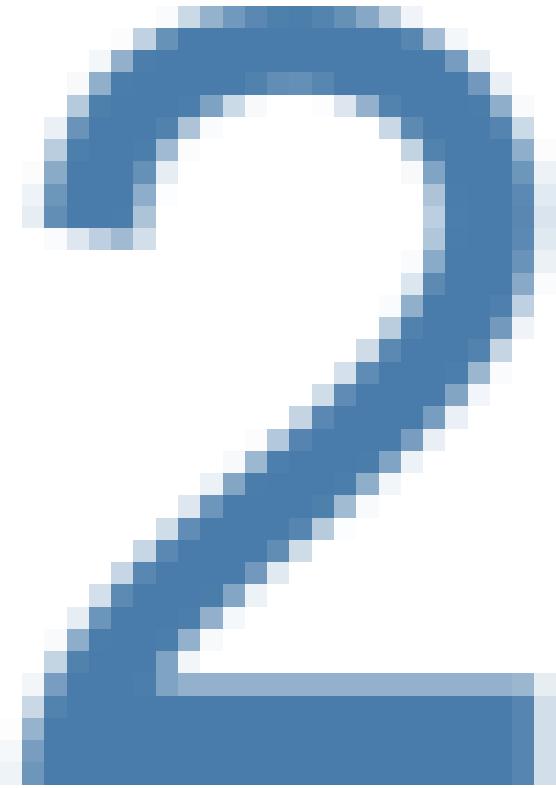


Original Image



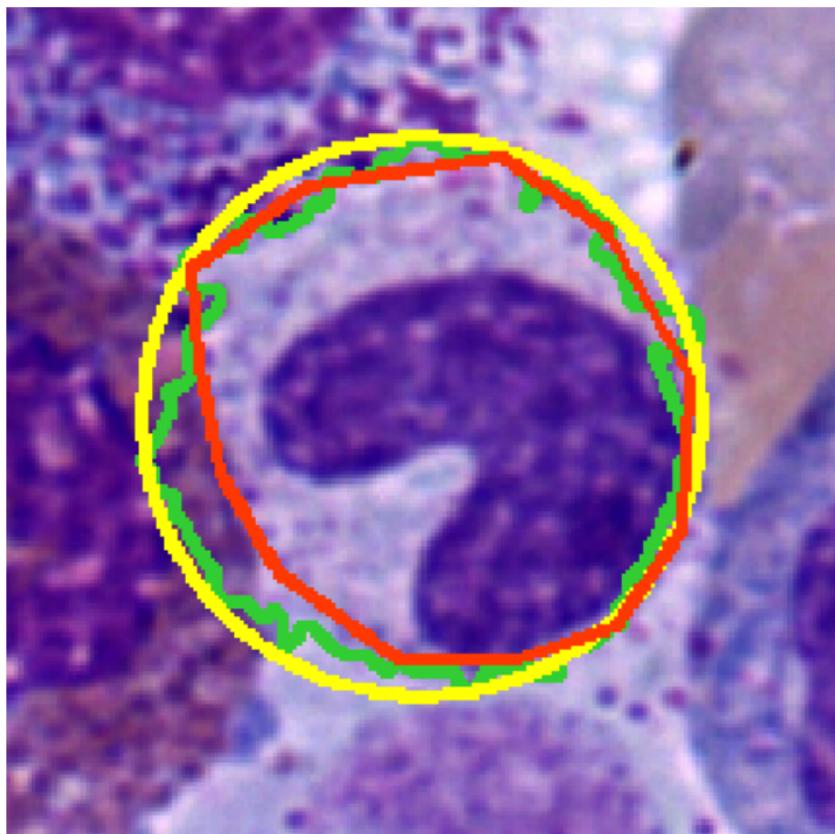
Waste
Recycling

metabolism



- Seeds are pre-marked: 85% of initial circle
- Resist irregular nucleus

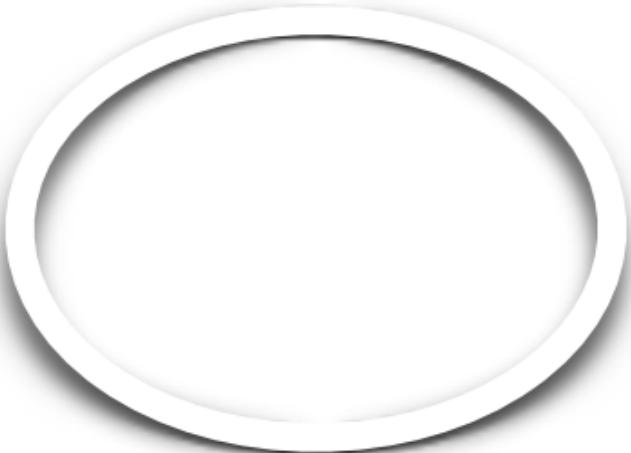
0.92, SPWS

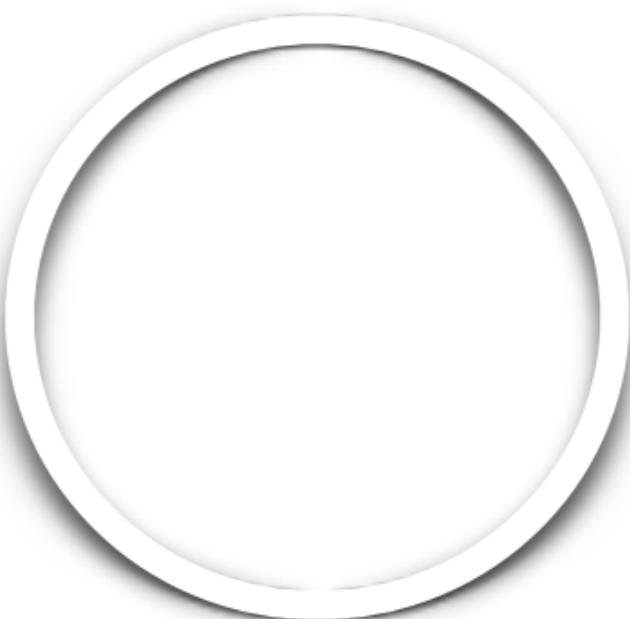


Yellow: Initial Circle

Green: Refined Contour

Red: Ground-Truth











Dear Sir or Madam,

I am writing to you today to express my sincere gratitude for your kind assistance in my recent application for a job at [Company Name].

Your company has always been a source of admiration and respect for me, and I am truly honored to have the opportunity to work for such a distinguished organization.

I would like to thank you for your time and effort in reviewing my application and for your positive feedback. Your guidance and support have been instrumental in helping me prepare for this interview and I am grateful for your encouragement.

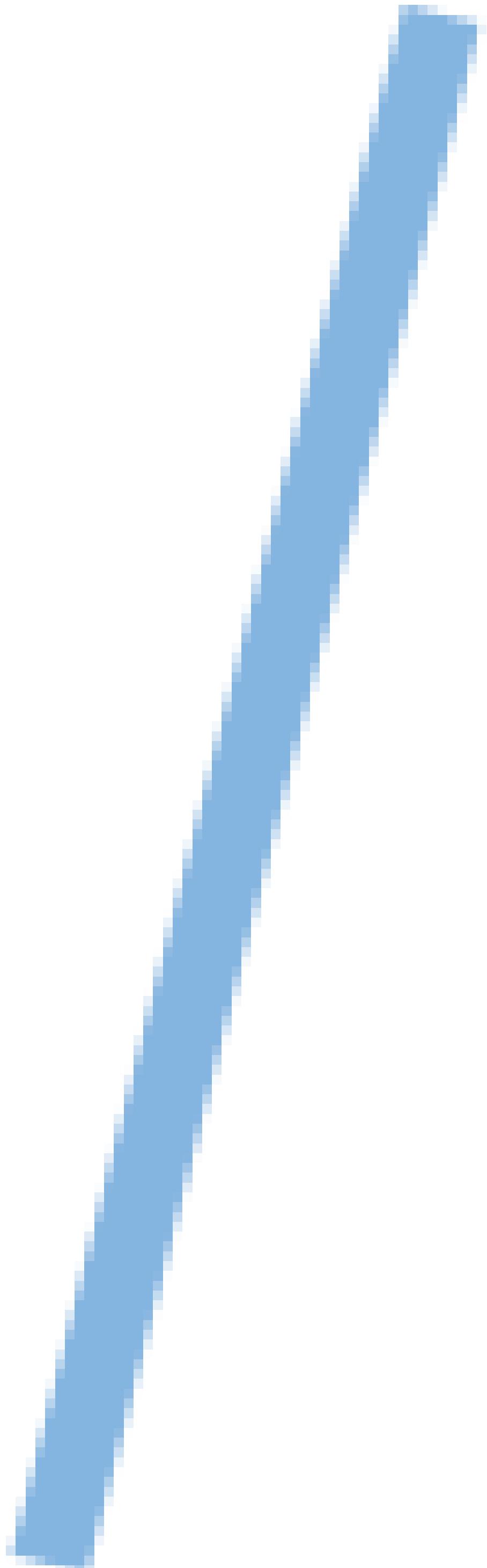
I am excited about the prospect of joining your team and contributing to the success of the company. I am confident in my skills and experience, and I am eager to bring my best to the role.

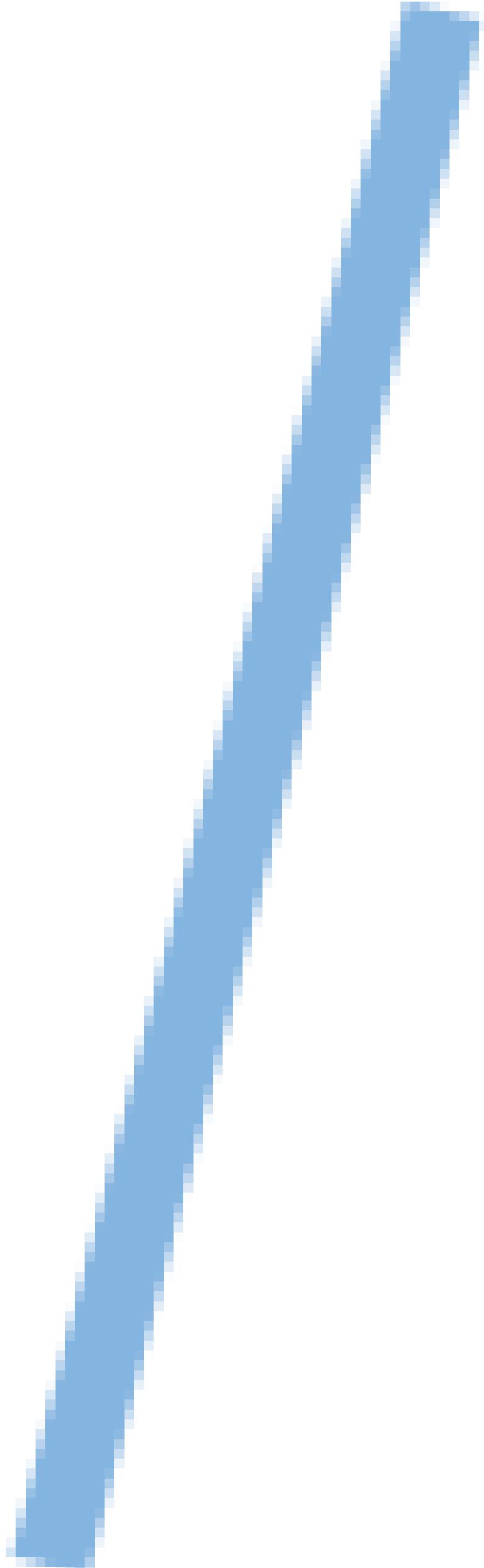
Once again, thank you for your time and consideration. I look forward to hearing from you soon.

Sincerely,

[Your Name]

Science Fiction









Scans of stained bone marrow sections show that Leukocyte recruitment is concentrated around Sca-1⁺ stromal cells.



$$E_{\text{int}} = \frac{1}{2} \alpha \|x_i - x_{i-1}\|^2 + \frac{1}{2} \beta \|x_{i-1} - 2x_i + x_{i+1}\|^2$$

activation code is stored in a cookie on your computer.

regularizar
resistir
regularizar

Seeds are re-marketed: 85% of it is a circle.

goes refigured. Refigured.

initial circice

Find God -
God finds you

$$E_{\text{snake}} = \sum_{x \in \mathcal{E}} E_{\text{int}}(x) + E_{\text{image}}(x)$$

idea: minimising energy function in the set

$$E_{\text{image}} = -w_{\text{line}} |\nabla V(x)|^2$$







continuity, variable length, variable

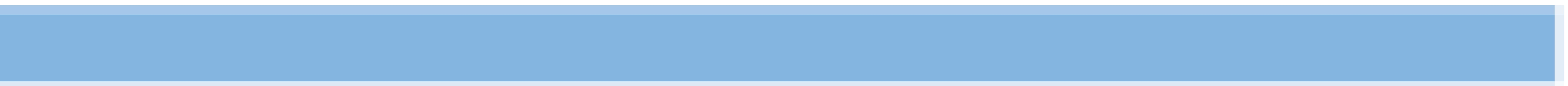
smoothness, set to zero, so that the curve is continuous.

the gate regions, set to 1, attracted to light

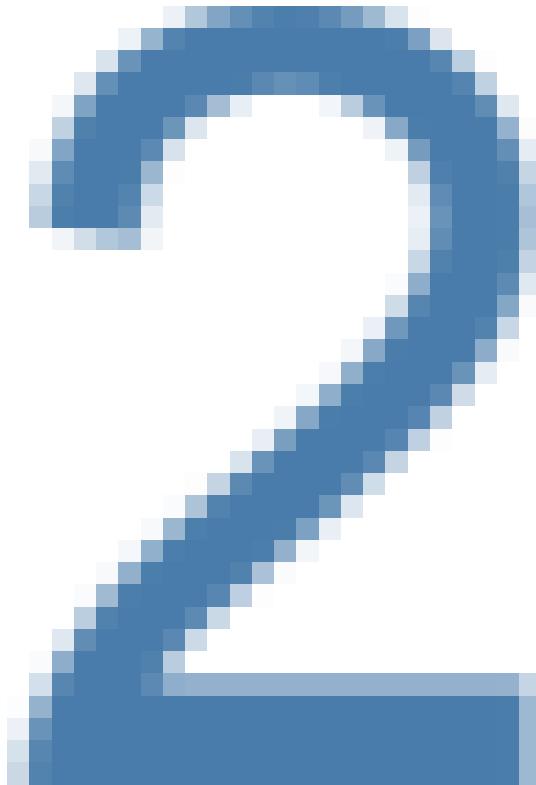
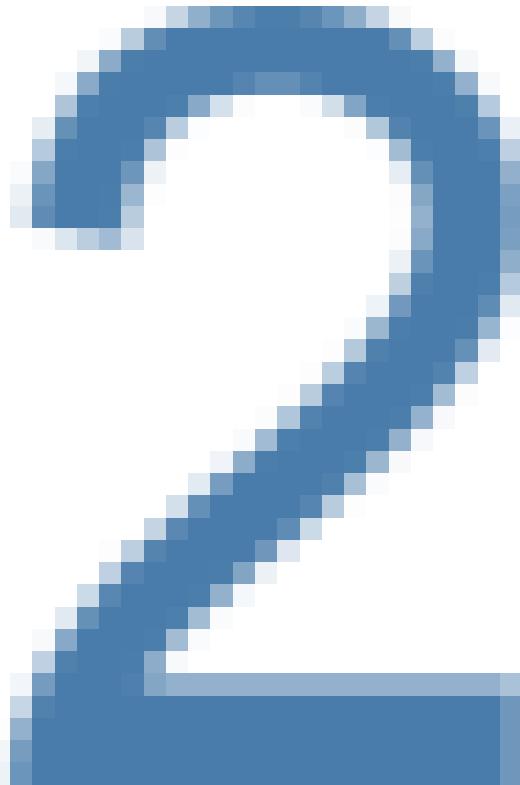
edges, set to 3, attract more important edges than intensity, and edge

Meet the team













Arco Cessino



