



**Servicebio**

# Case Viewer 2.3 使用教程

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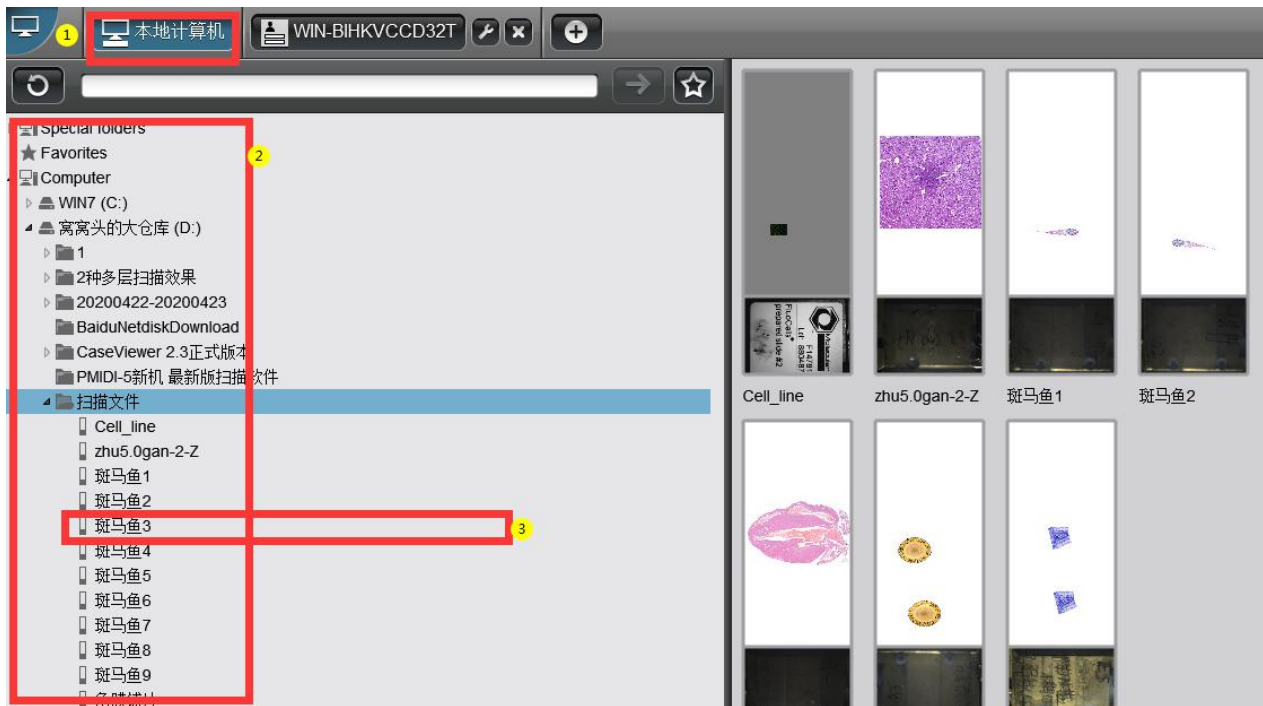
---

14

结束语

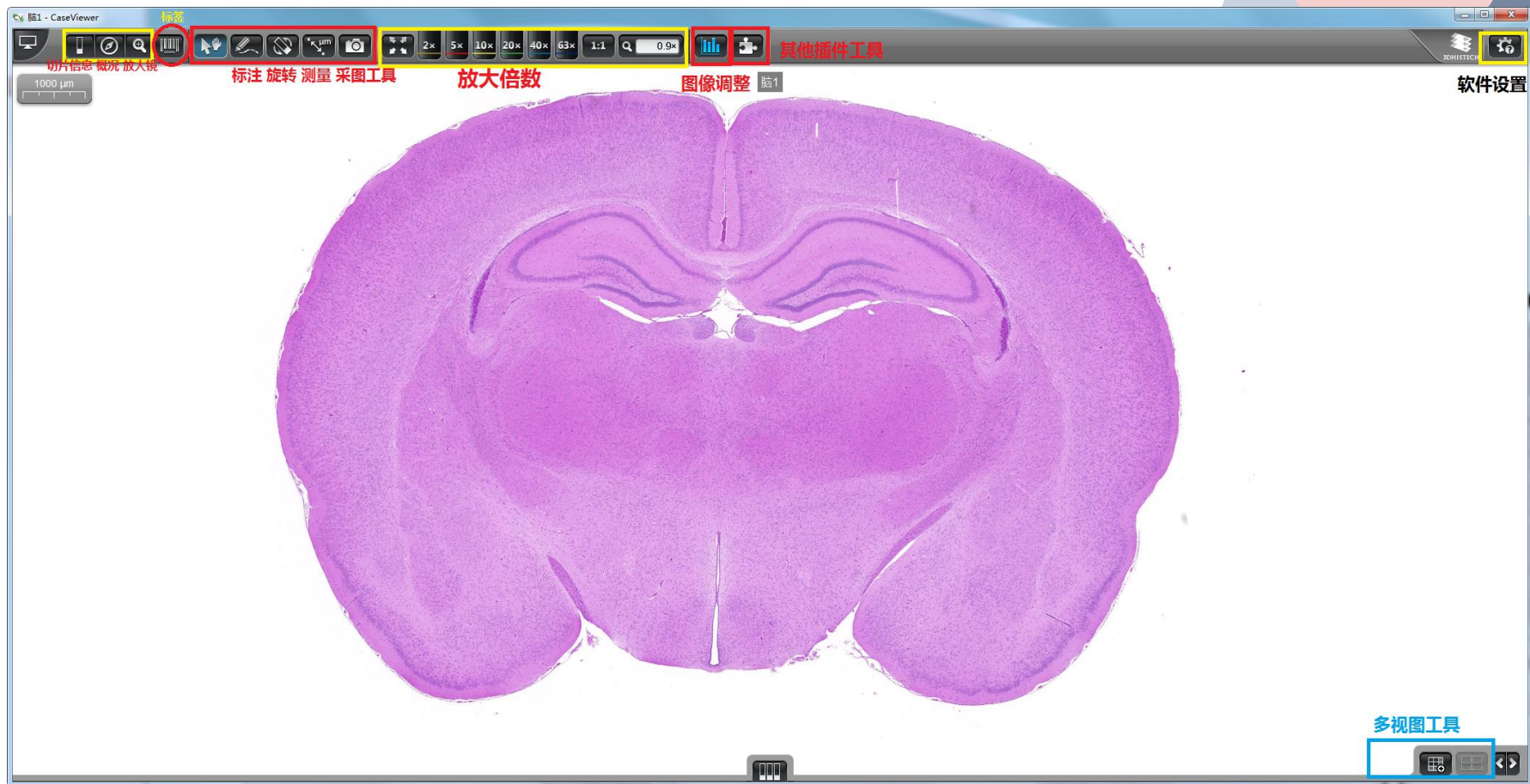
---

# 01 图像浏览



- ① 选择本地计算机
- ② 找到扫描文件所在位置
- ③ 双击选中要查看的图片

# 02 工具栏介绍



# 03 多视图预览

斑马鱼1

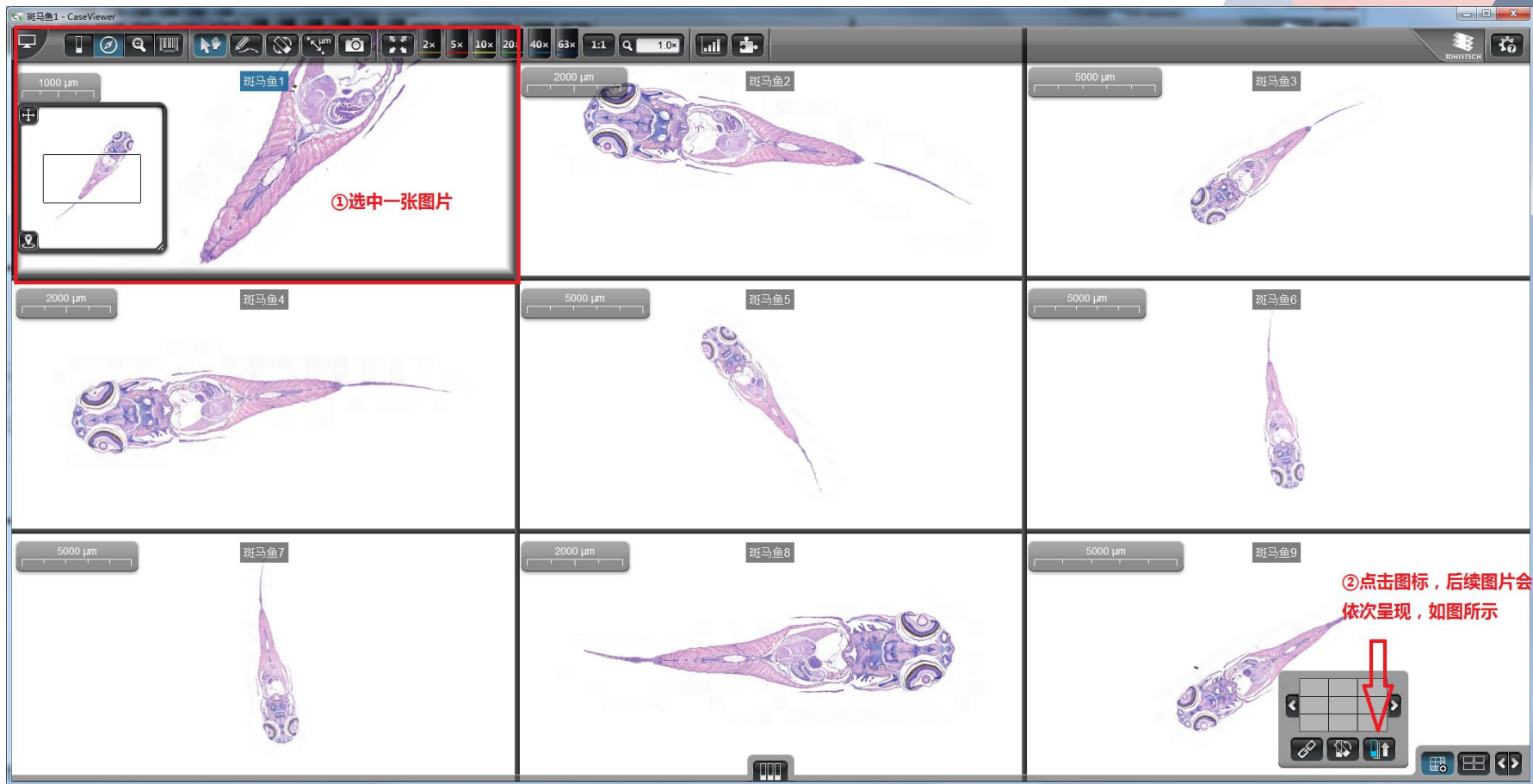
1000 µm

斑马鱼1

② 按住shift键  
点击鼠标左键，并划动选中小方格数（选中几个即几个图对比预览，最多9张）

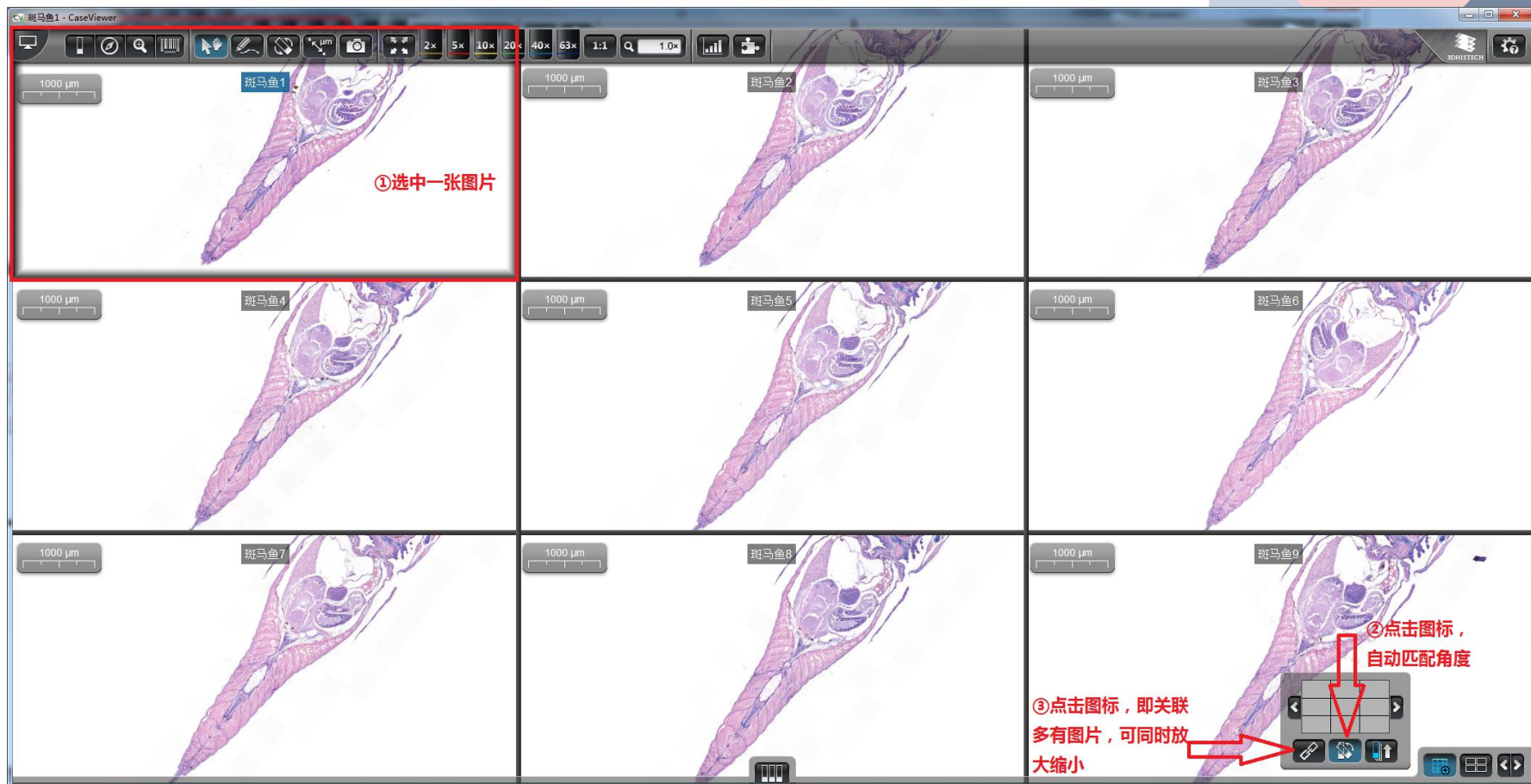
① 点击图标

# 03 多视图预览



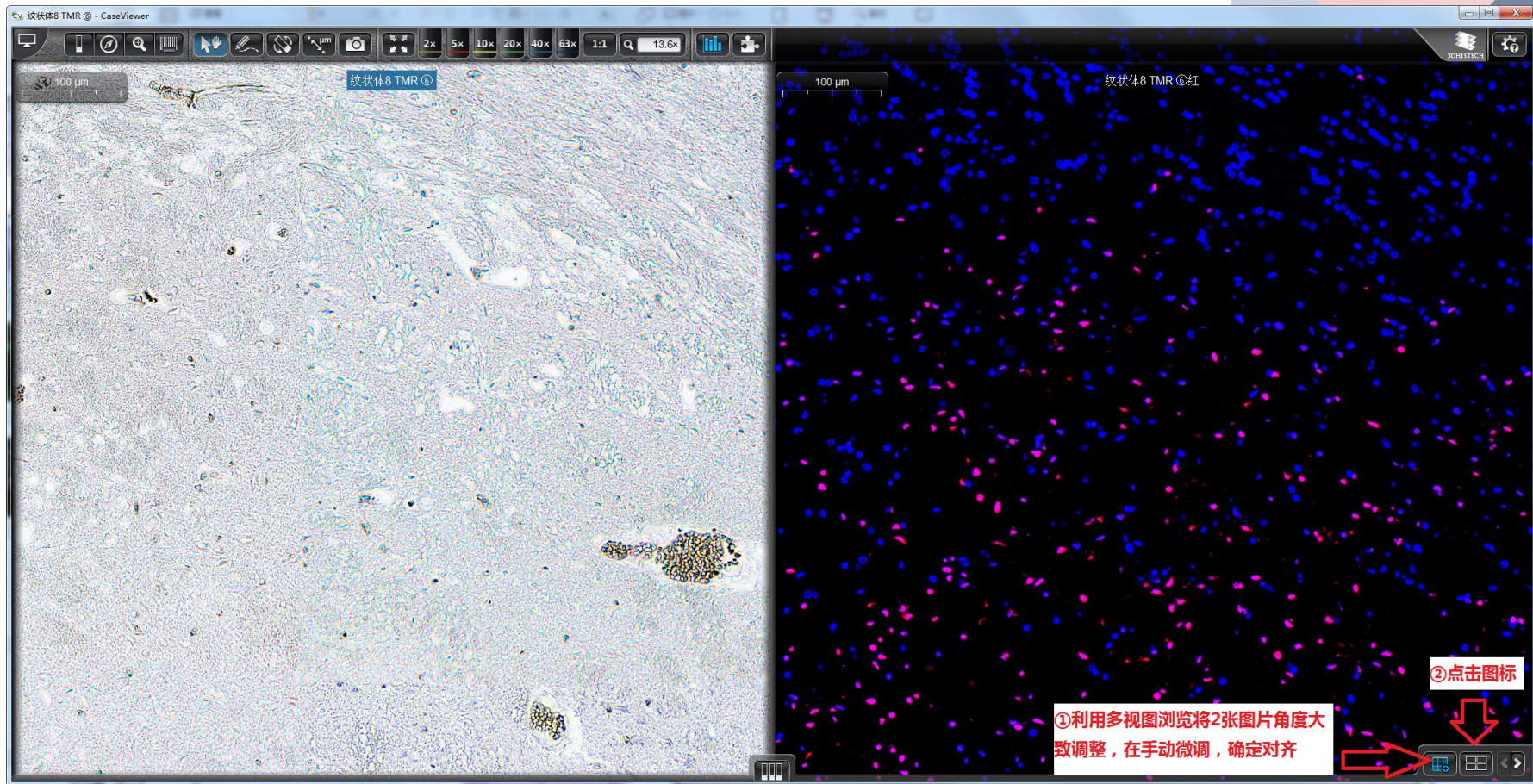
# 03 多视图预览

调整图片的方向，对齐



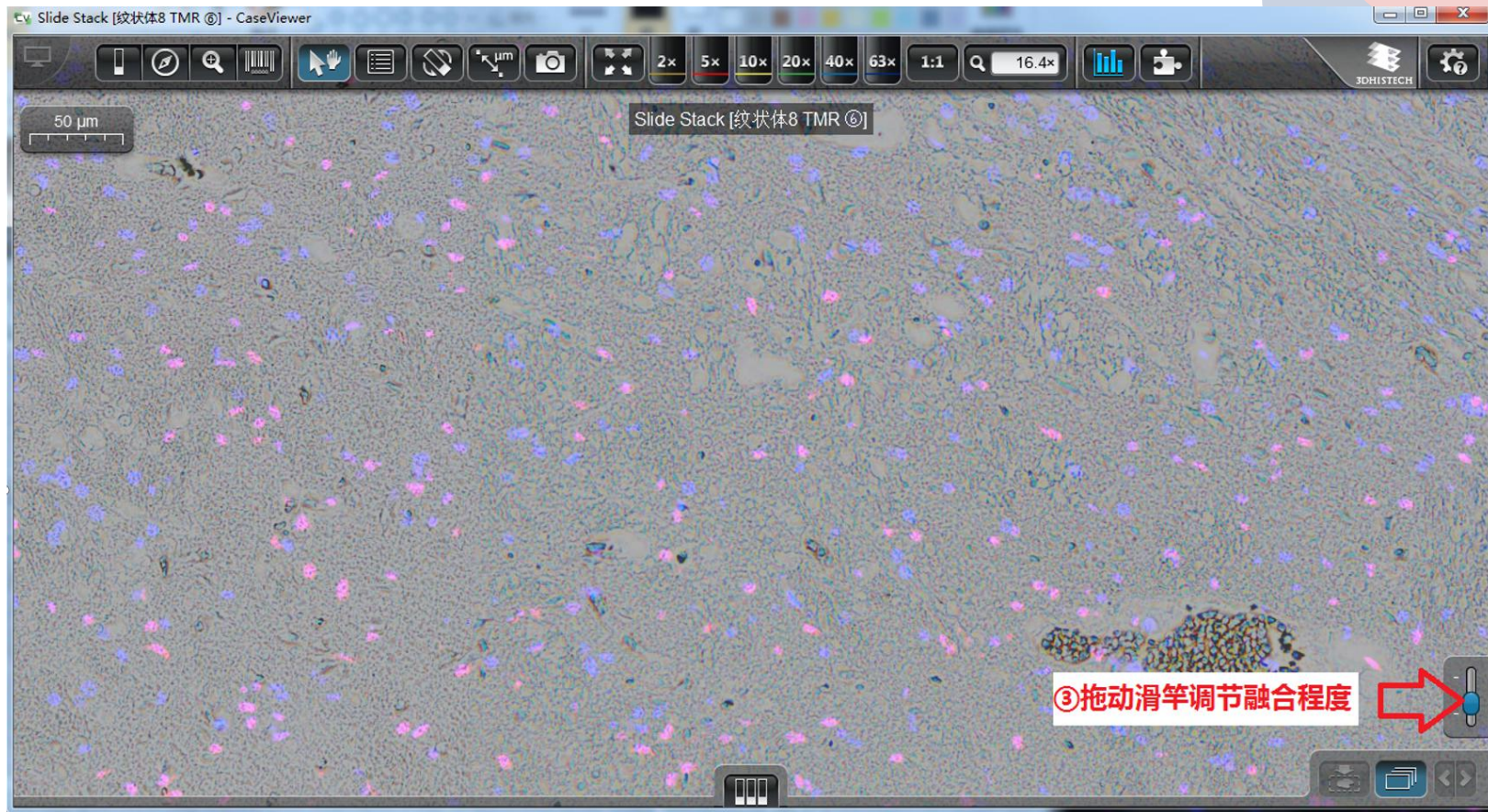
# 04 两张图片融合浏览

可白光荧光,



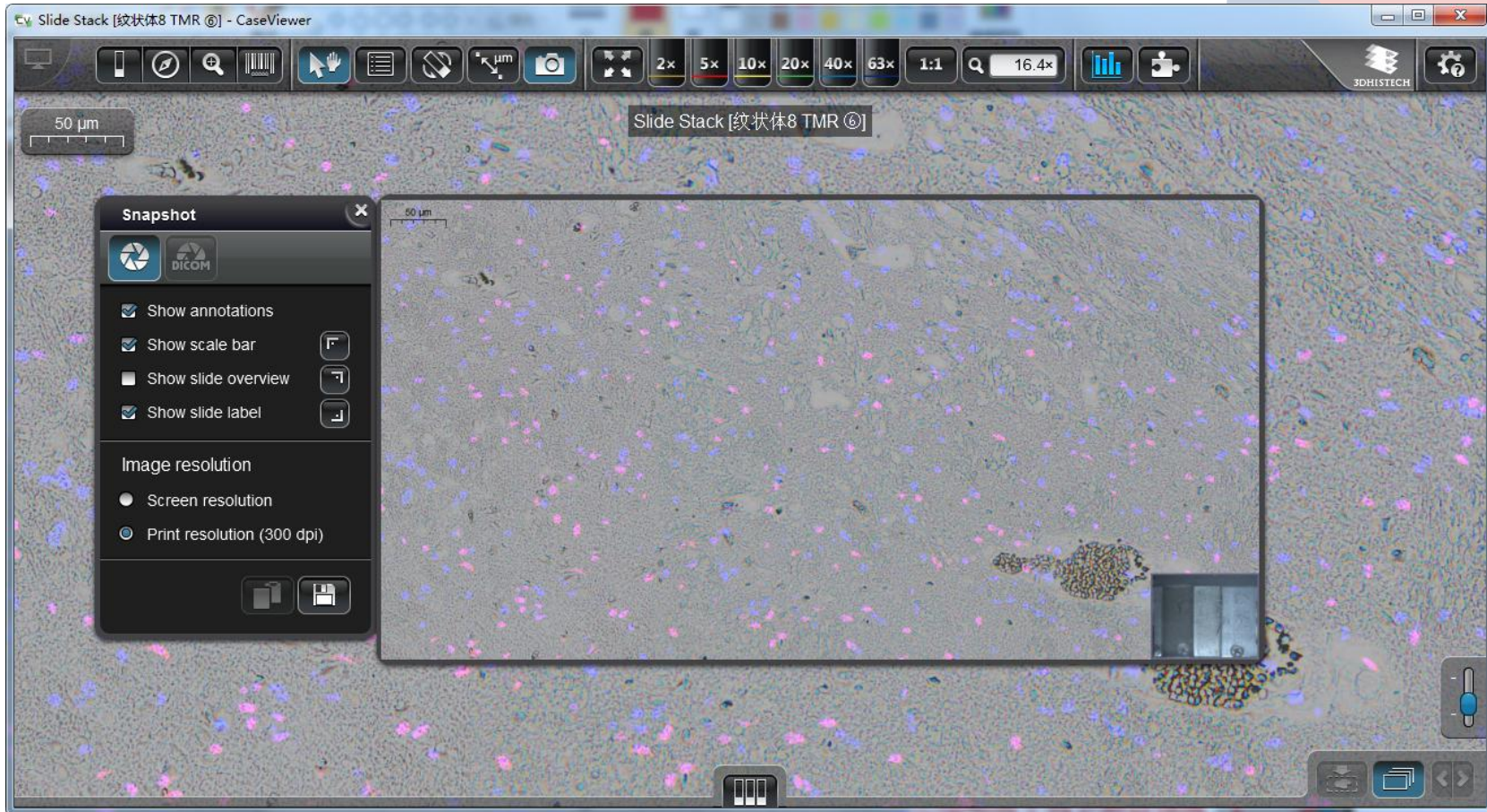
# 04 两张图片融合浏览

可反复调节后融合



# 04 两张图片融合浏览

融合后采图



# 05 旋转

胎鼠 HE - CaseViewer

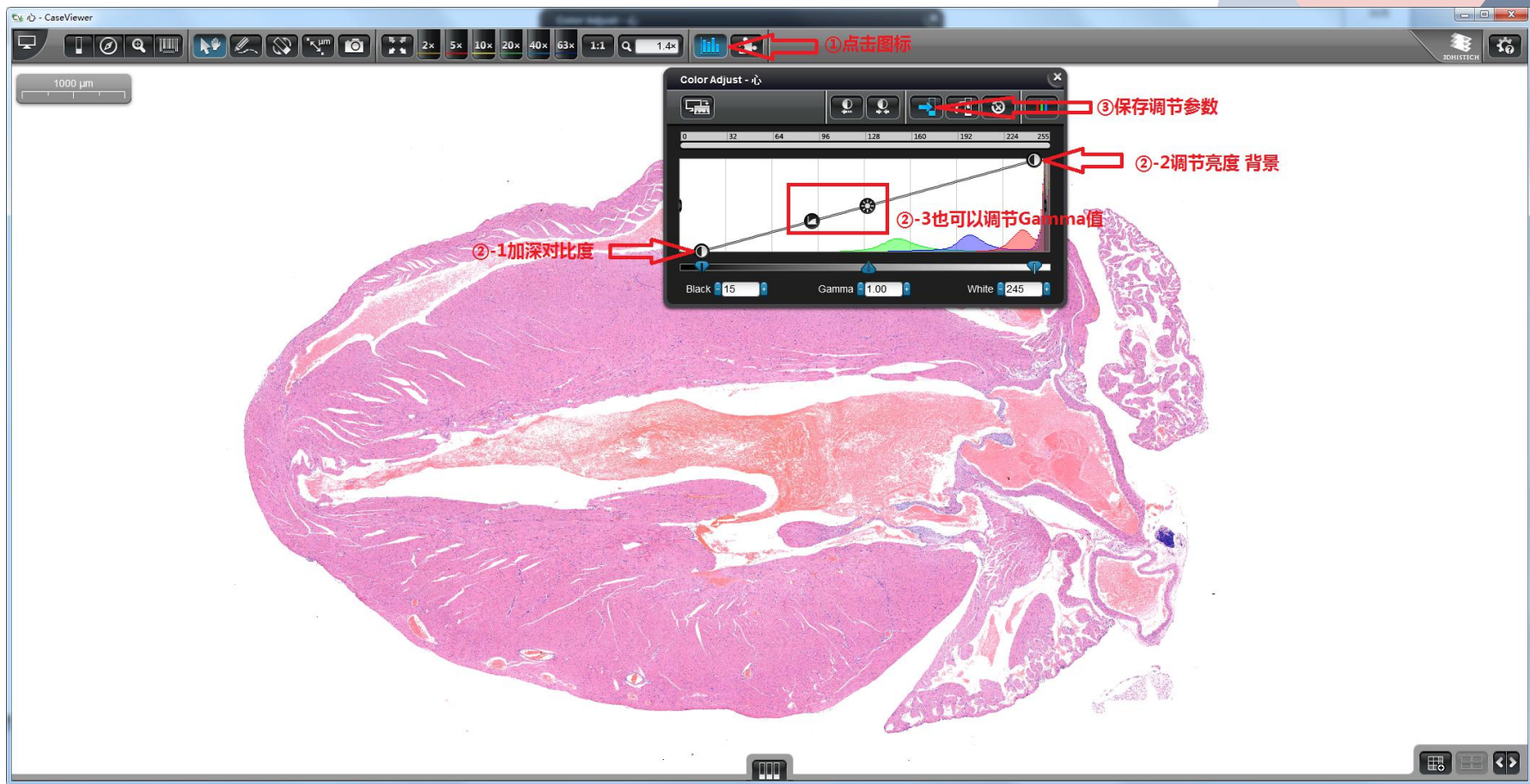
2000  $\mu\text{m}$  -65°

a.任意角度旋转 b.水平翻转 c.垂直翻转

胎鼠 HE

The screenshot displays a histology software interface for viewing a mouse embryo section. The main window shows a large, detailed cross-section of the embryo, stained with hematoxylin and eosin (H&E). The interface includes a toolbar at the top with various tools for navigation and zooming. A scale bar indicates 2000  $\mu\text{m}$ . A rotation slider is set to -65°. Three red boxes highlight the rotation and flip controls: 'a.任意角度旋转' (arbitrary angle rotation), 'b.水平翻转' (horizontal flip), and 'c.垂直翻转' (vertical flip). The software title is '胎鼠 HE - CaseViewer' and the image is labeled '胎鼠 HE'.

# 06 图片调节 - 白光



# 06 图片调节 - 荧光

Cell\_line - CaseViewer

100  $\mu$ m 0°

Cell\_line

③保存

Color Adjust - Cell\_line

Green Blue Red

0 32 64 96 128 160 192 224 255

①调节亮度

②去背景、增加对比度

Black 0 Gamma 1.00 White 255

Green Blue Red

注：每个通道单独调节，并保存

# 07 标注、删除、隐藏、更改

CaseViewer

1000  $\mu\text{m}$

a. 各种类型的标注

Annotation 6  
Perimeter: 12.4 mm  
Area: 5.8 mm<sup>2</sup>

2745.1  $\mu\text{m}$

2681.0  $\mu\text{m}$   
2682.5  $\mu\text{m}$   
2745.1  $\mu\text{m}$   
Annotation 6  
矩形  
Perimeter: 12.4 mm  
Area: 5.8 mm<sup>2</sup>  
Click for note

④选中要删除的选框, 点击此图标删除, 或者点击"delete", 按住快捷键Ctrl+A, 全选, 可一次性全部删除。

①可编辑标注名

②隐藏标注

③改标注选框颜色

矩形  
Perimeter: 6.1 mm  
Area: 2.1 mm<sup>2</sup>

箭头

2682.5  $\mu\text{m}$

# 08 改标注选框颜色、关闭标注信息

The screenshot displays the CaseViewer interface with a brain scan image. A central 'Annotation Properties' dialog box is open, and a 'Define Color' dialog box is also visible. Red arrows and numbers 1 through 5 point to specific UI elements. A blue box highlights the 'Show Name' section, and a red box highlights the 'Default Color' section. A blue circle highlights a specific annotation on the brain image.

1. Top right toolbar icon (gear)

2. Top right toolbar icon (gear)

3. Annotation Properties dialog box (gear icon)

4. Left side of the 'Show Name' section in the 'Annotation Properties' dialog box

5. 'Default Color' section in the 'Annotation Properties' dialog box

④ 左边开关可选择关掉标注上方相关信息，呈现出单独的选框；

⑤ 点击图标，可选择标注框的颜色

Slide Name: Example 67  
Annotation Label: Example 67  
Default Color: Brightfield (selected), Fluorescent

Define Color dialog box: 255, 0, 0

# 09 导图

The image shows two software windows. The left window, 'CaseViewer', displays a histological slide with a red circle annotation. A red arrow points to the 'Annotations' toolbar with the instruction: ①使用标注工具，圈出感兴趣的地方，保存 (Use the annotation tool to circle the area of interest and save). The 'Annotations' panel shows 'Annotation 1' with a perimeter of 10.3 mm and an area of 4.7 mm². The right window, '3DHISTECH's Slide Converter', shows the conversion settings. A red box highlights the 'To' dropdown menu with the instruction: ②弹出下图所示窗口，选择保存文件格式 (TIFF、MRXS) (Open the window shown in the figure below, select the save file format (TIFF, MRXS)). The 'Output location' section has 'Local folder' selected, with a red box around the folder path and the instruction: ③选择保存位置 (Select save location). The 'Add slide(s) to queue' button is highlighted with a red box and the instruction: ④添加 (Add). The table below shows the conversion progress:

Input slide	Output slide	Status
MRXS D:\扫描文件\小鼠 HE - Annotation 1	MRXS E:\测试\小鼠 HE - Annotation 1_20200509150820769	Finished

⑤完成后，点击文件夹，即可浏览图片 (After completion, click the folder to view the image).

注：荧光导出图片为黑白单通道图片，荧光彩色图片只能采图

# 10 采图

The screenshot displays the CaseViewer interface with a histology image of a mouse embryo. A red box highlights a region of interest with the following measurements: Perimeter: 8.8 mm, Area: 4.7 mm<sup>2</sup>. A 'Snapshot' dialog box is open, showing options for annotations, scale bar, overview, and slide label. A 'Save As' dialog box is also open, showing file format options.

**①快速采图**

**a.显示标注** Show annotations  
**b.显示标尺** Show scale bar  
**c.显示概况** Show slide overview  
**d.显示标签** Show slide label

可移动a.b.c  
显示的位置

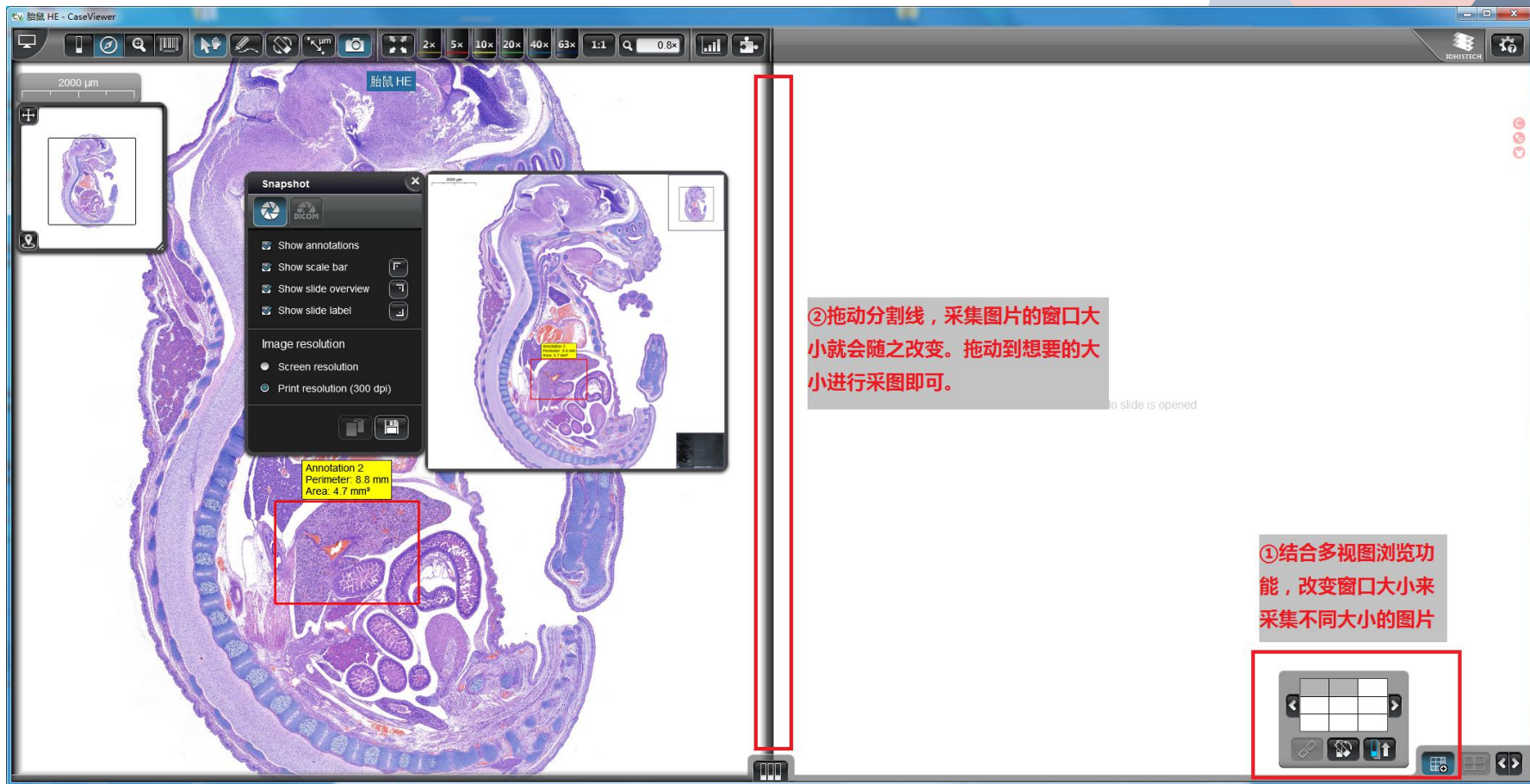
**②勾选上述需要显示的, 保存**

文件名称(N): 胎鼠\_HE\_0.8x.jpg  
保存类型(T): JPEG files (\*.jpg)  
PNG files (\*.png)  
TIFF files (\*.tif)  
BMP files (\*.bmp)

**③弹出如图所示窗口, 可选择不同的图片格式进行保存, TIFF\JPEG等。**

# 11 采集不同大小的图片

正方形、长方形



胎鼠 HE

2000  $\mu\text{m}$

Snapshot

- Show annotations
- Show scale bar  $\text{F}$
- Show slide overview  $\text{T}$
- Show slide label  $\text{J}$

Image resolution

- Screen resolution
- Print resolution (300 dpi)

Annotation 2  
Perimeter: 6.8 mm  
Area: 4.7  $\text{mm}^2$

to slide is opened

② 拖动分割线，采集图片的窗口大小就会随之改变。拖动到想要的大小进行采图即可。

① 结合多视图浏览功能，改变窗口大小来采集不同大小的图片

# 12 改荧光通道伪色

Cell\_line - CaseViewer

50  $\mu\text{m}$

Cell\_line

Pseudo-Color

②选中颜色，保存

①将光标移动到通道上，右键

Green Blue Red

The screenshot shows the 'Cell\_line - CaseViewer' software interface. The main window displays a fluorescence microscopy image of cells with blue nuclei, green cytoplasm, and red cell membranes. A 'Pseudo-Color' panel is open on the left, showing a color palette and sliders. A red box highlights the 'Save' button in the Pseudo-Color panel, with the annotation '②选中颜色，保存'. Below the Pseudo-Color panel, a 'Channel' panel is visible, showing three channels: Green, Blue, and Red. A red box highlights the 'Green' channel button, with the annotation '①将光标移动到通道上，右键'. The software interface includes a toolbar at the top with various icons for navigation and zooming, and a scale bar in the top left corner indicating 50  $\mu\text{m}$ .

# 13 改标尺颜色

Cell\_line - CaseViewer

50 µm

Cell\_line

4. 保存

Utility Panels

Define Color

Magnifying

Relative x 8.0

Absolute x 40.3 x

Show Scan Area outline

Scale Bar

Foreground Color

③ 点击选择颜色

Background

Semi-transparent

Opaque

标尺背景选择

②

Pseudo-Color

Green Blue Red

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- 地址：武汉市东湖高新技术开发区高新二路388号生物医药加速器22栋5楼
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