

# WELCOME TO Research Link NEWSLETTER



## Accelerate your journey, imagine the possibilities

Welcome to the Research Link Newsletter. In this issue we will bring you exciting research-related content including educational articles, webinars, and short videos. We will cover topics in histology, IHC/ISH and emerging tests in multiplex advancements, and digital pathology.

We welcome you to visit our newly created peer-reviewed Publication Repository of Leica Biosystems instruments and solutions. This feature enables you to peruse current, research-based applications and self-create bibliographies from reference materials that may support your work in delivering today's tissue-based research driving tomorrow's clinical outcomes.

[LEARN MORE](#)

## Newsletter Highlight: Short Video Series

Tips & Tricks to Multiplexing: Top 5 Reasons to Multiplex

Accelerate Your Journey  
Imagine The Possibilities



SHORT VIDEO SERIES

### 5 KEY REASONS TO USE MULTIPLEX STAINING IN YOUR RESEARCH PROJECT

Multiplex advanced staining can provide biological information that helps to better understand the molecular mechanisms of health and disease for biomarker and drug discovery.

SHORT VIDEO SERIES

#### CHROMOGENIC vs IMMUNOFLOUORESCENT MULTIPLEX STAINING

When adapting multiplex staining to research needs, it is important to consider whether to use chromogenic or immunofluorescent detection.

Here are key reasons to use either detection system.

**Chromogenic vs. immunofluorescent multiplex staining**

SHORT VIDEO SERIES

#### 10 TIPS FOR CHROMOGENIC MULTIPLEXING

Chromogenic multiplex staining needs careful planning and consideration to produce a multi-color, multi-target, permanent slide that is essential to photo-bleaching, and perfect for brightfield imaging and downstream analysis.

**How to choose chromogen colors for multiplex**

SHORT VIDEO SERIES

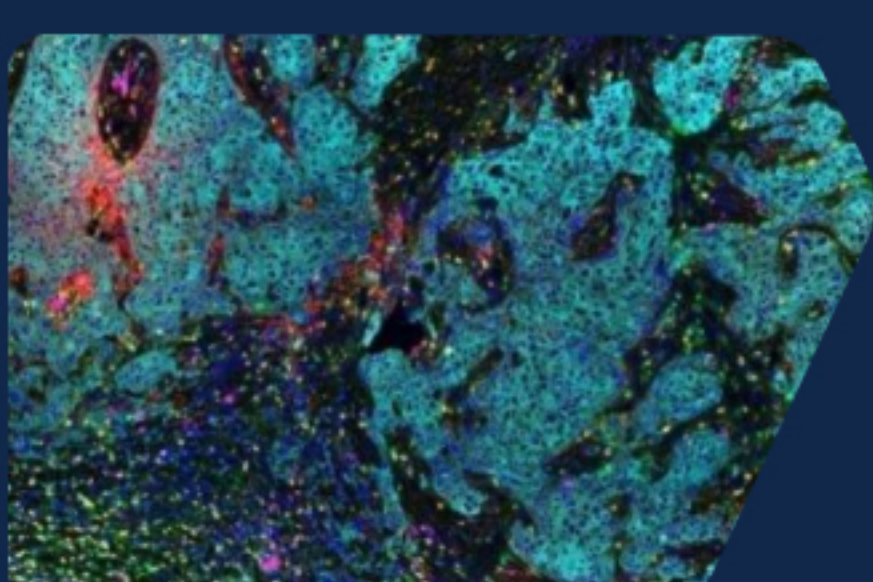
#### MULTIPLEX DETECTION SYSTEMS

There are several detection systems available for multiplex staining that are direct primary antibody detection, indirect detection with AEC, polymer linked antibodies, with or without tyramide amplification, and finally, oligonucleotide labeled primary antibodies with complementary probes. Which detection system you decide to use in your multiplex assay, optimization is vital.

**Detection systems for multiplex assays**

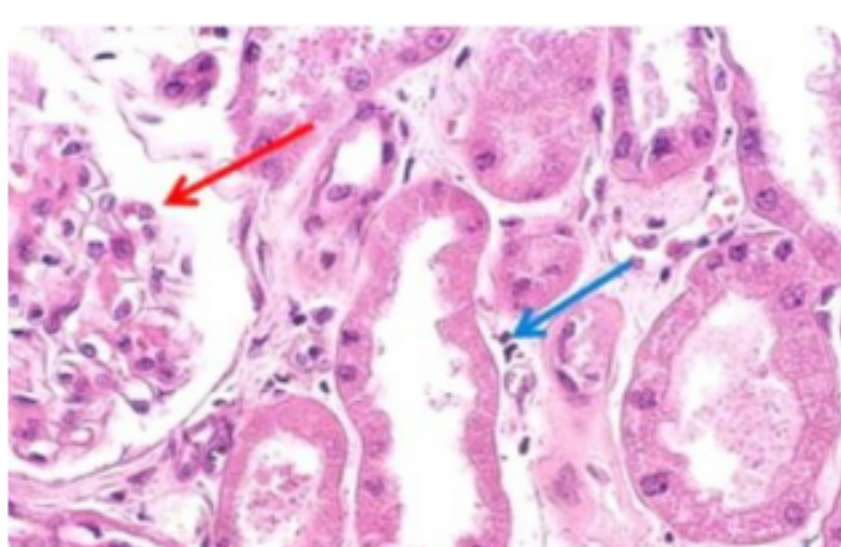
## Missed any of our live webinars?

Click below to get them on-demand today!

[WATCH OUR WEBINARS](#)


### Modern Multiplexing

Multiplexing addresses the need for researchers to assess multiple biomarkers at specific locations within a tissue sample.

[LEARN MORE](#)


### H&E Image Quality and Tissue-Based Research

H&E is an important tool for disease research and drug development and is being increasingly combined with digital pathology technology. Image quality is important for slide digitization to ensure that interpretation is accurate.

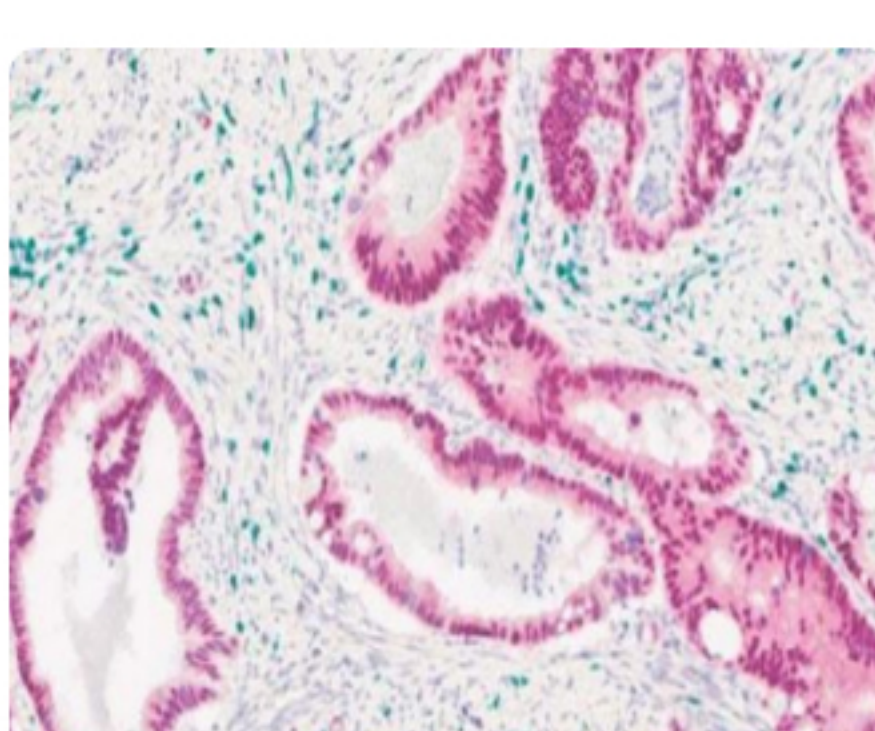
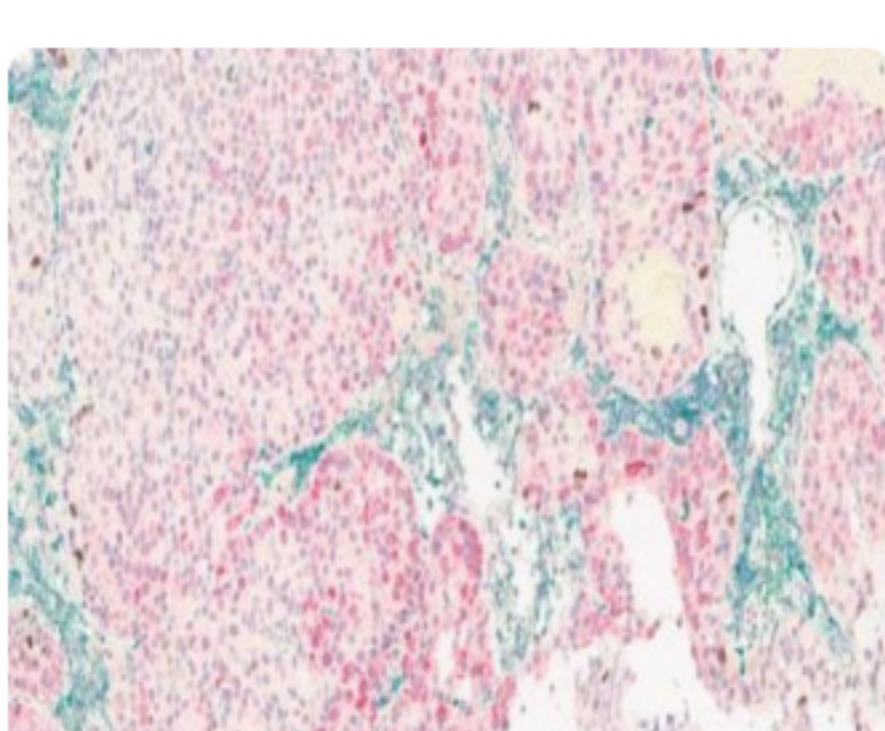
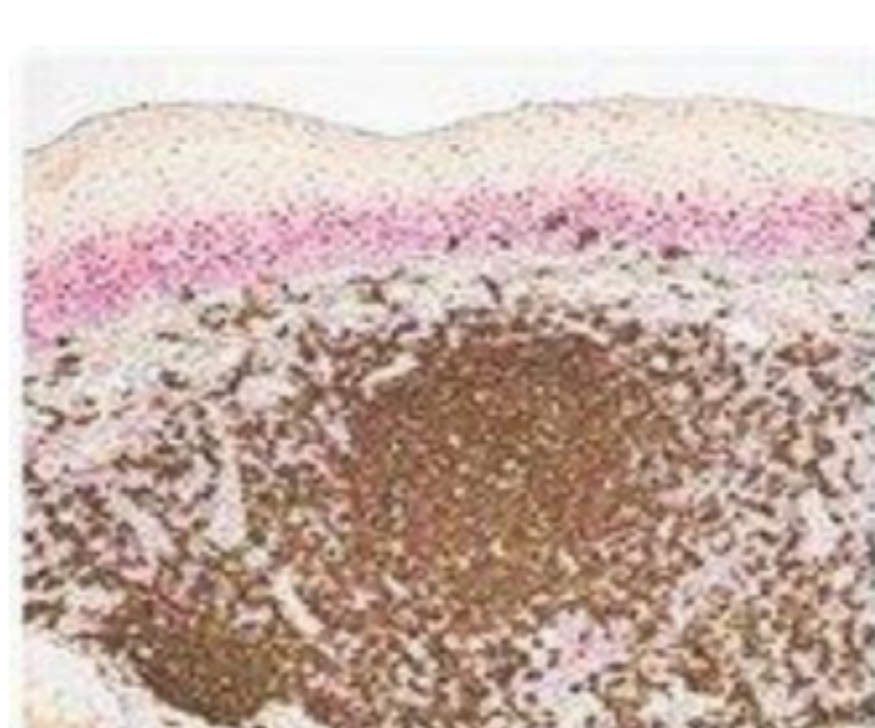
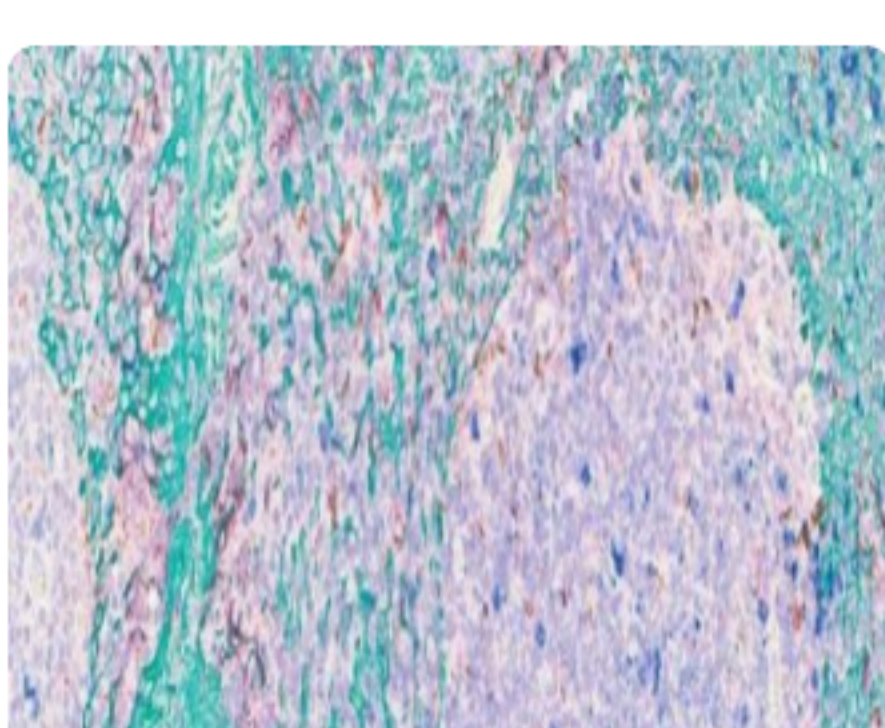
[READ MORE](#)


### Digital Pathology in Toxicological Pathology Studies

Drug development is a timely and costly process, with the average cost of bringing a single new drug to market costing \$1.3 billion, taking anywhere between 10-15 years to finalize complete all clinical trials.

[LEARN MORE](#)

## Stain Gallery


[VIEW WHOLE SLIDE IMAGES](#)

## Are You Ready to Get in Touch?

Do you have any questions or want to speak to a Leica Biosystems representative? Click below to complete the short form.

[TALK TO AN EXPERT](#)
[NEWSLETTER QUESTION](#)