



Augmented Reality Microscopy



SPIE.

2021

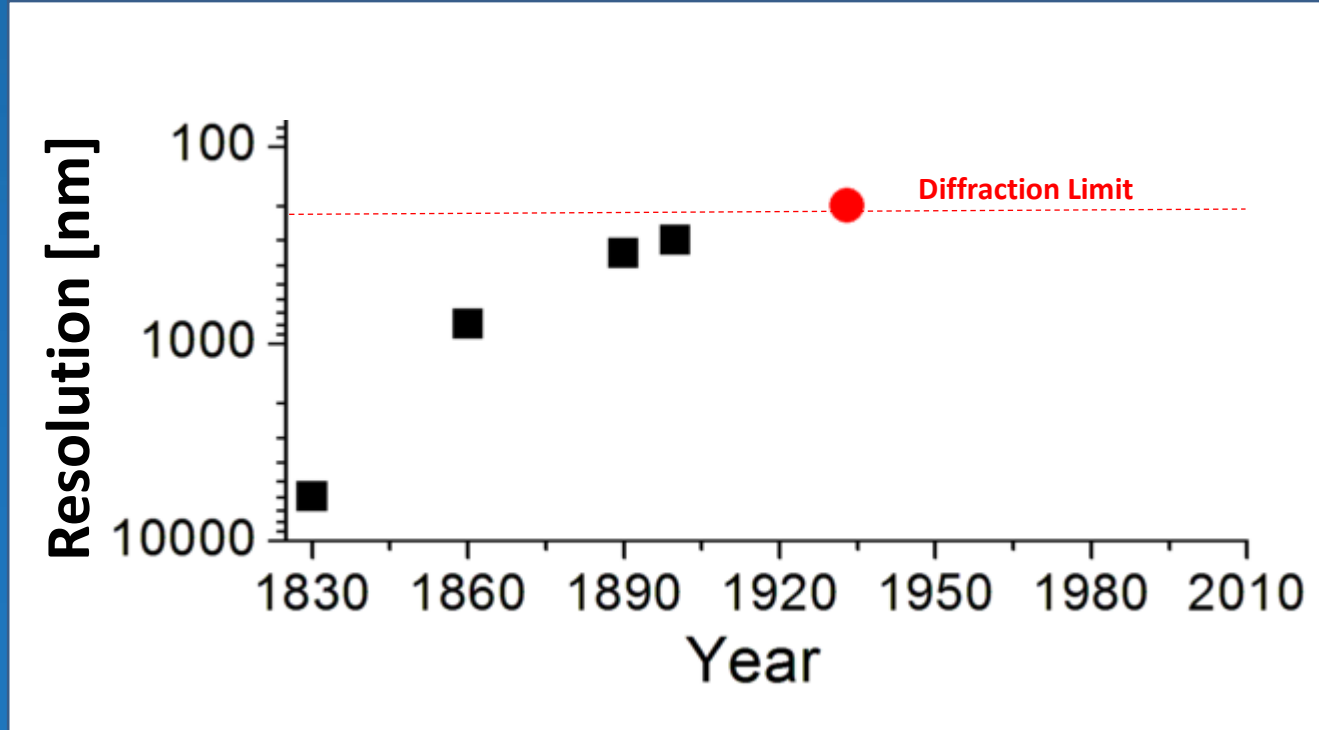
**PRISM
AWARDS
WINNER**

Augmentiqs
SEE THE SMART PATH

GREAT THINGS DO NOT REQUIRE CHANGE



Carl Zeiss
microscope, 1914



Olympus BX61, 2014

100 years : Almost the same resolution limited by the Laws of Physics

The major challenge of diagnostics:

**“In 90% of instances I
don’t need you...”**

**And in 10%
I don’t trust you!”**

Augmented Reality Microscopy (ARM)

ARM converts the existing traditional light microscope into a digital pathology platform:

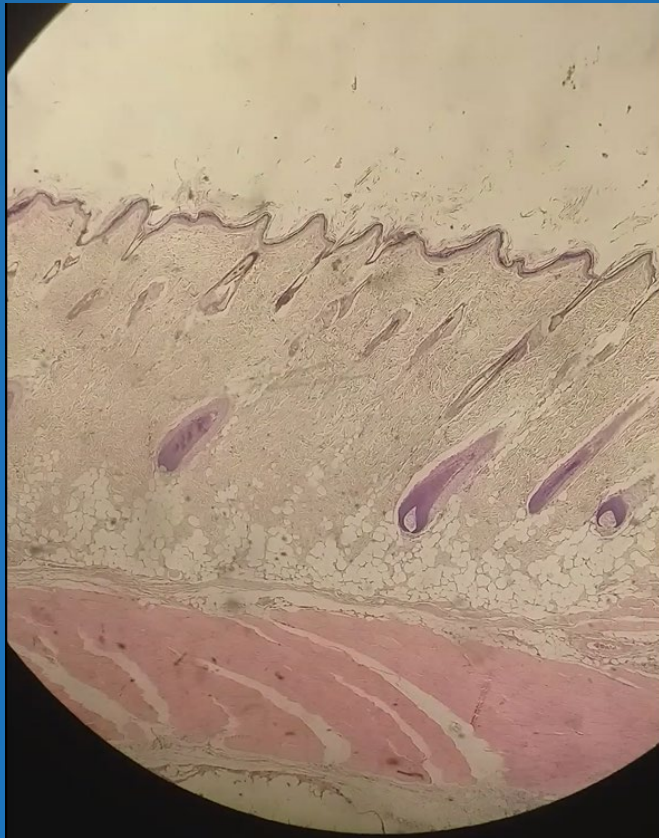
- Real-time telepathology,
- computer-assisted diagnostics,
- pathology informatics, and
- other digital functions;

ARM enables pathologists to “go digital”, while avoiding the need to first digitize slides.



“Augmentiqs is a low-cost platform for multi-directional communication between the PC & microscope”

ON DEMAND, AUGMENTED REALITY MICROSCOPE



- AI, image analysis — from any vendor
- Morphometrics & annotations
- Case data

TECHNOLOGY OVERVIEW

1

Augmented reality displays software in eyepiece

2

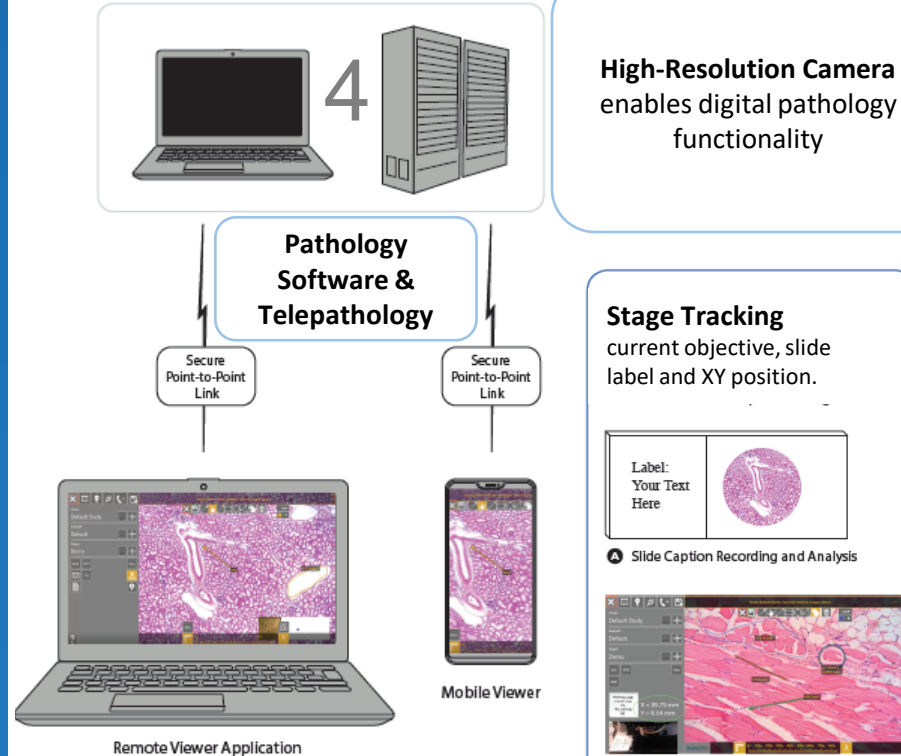
Camera views live image of region of interest, connects to PC

3

Comprehensive stage tracking collects metadata of workflow

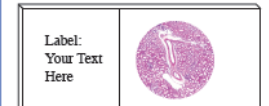
4

Open API deploys 3rd party pathology software in real-time

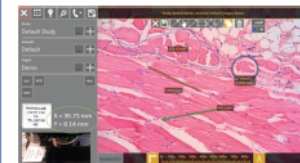


High-Resolution Camera
enables digital pathology
functionality

Stage Tracking
current objective, slide
label and XY position.



A Slide Caption Recording and Analysis



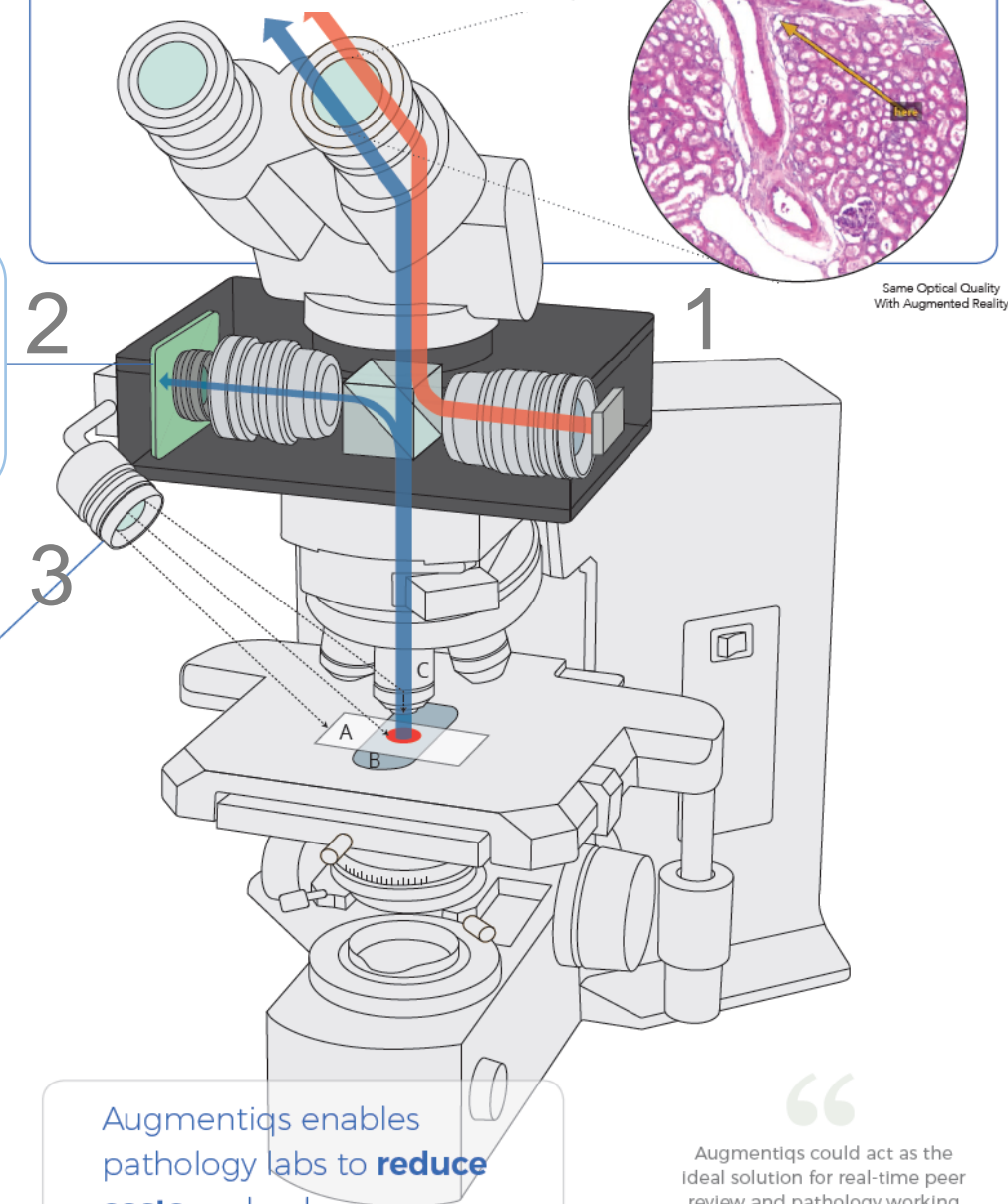
B Slide Position Detection



C Objective Magnification Detection

Augmented Reality

A digital overlay streamlines workflow by providing relevant data in eyepiece

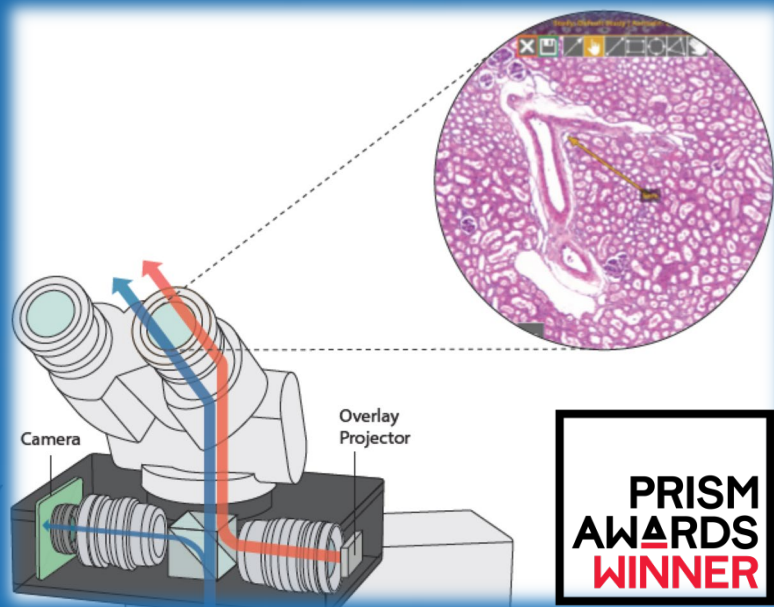


Augmentiqs enables
pathology labs to **reduce**
costs and enhance
clinical excellence.

Augmentiqs could act as the
ideal solution for real-time peer
review and pathology working
group applications.

— Robert Maronpot
Former Director of NIEHS/NIH

Thank you !



Gabe Siegel
CEO



Dan Regelman, PhD
Scientific Director

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- Morphometrics & annotations

www.augmentiqs.com