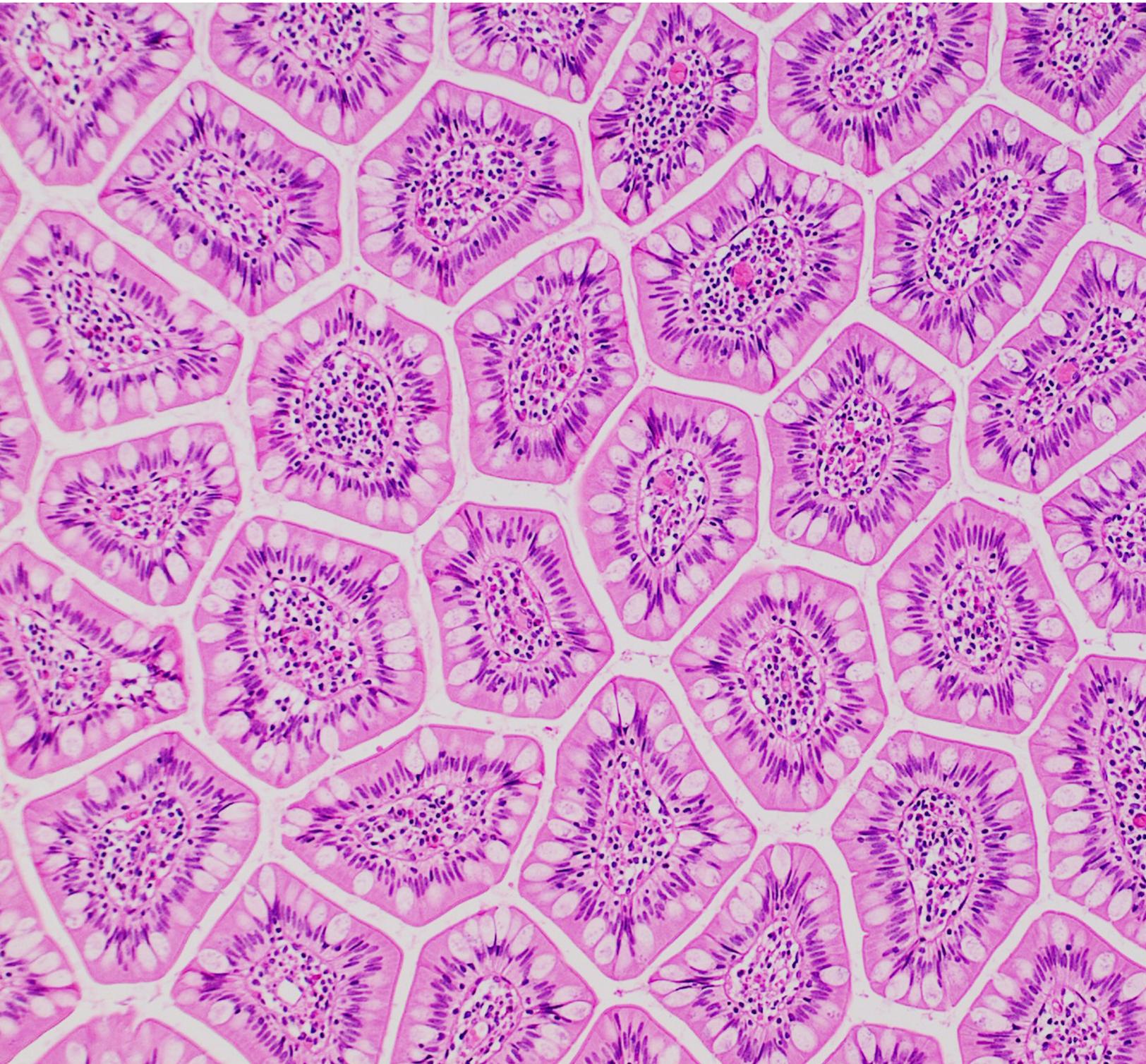




OpenHistoPath
a pathology data research company





**Our mission is
to ensure that
pathology data
benefits all and
improves lives**

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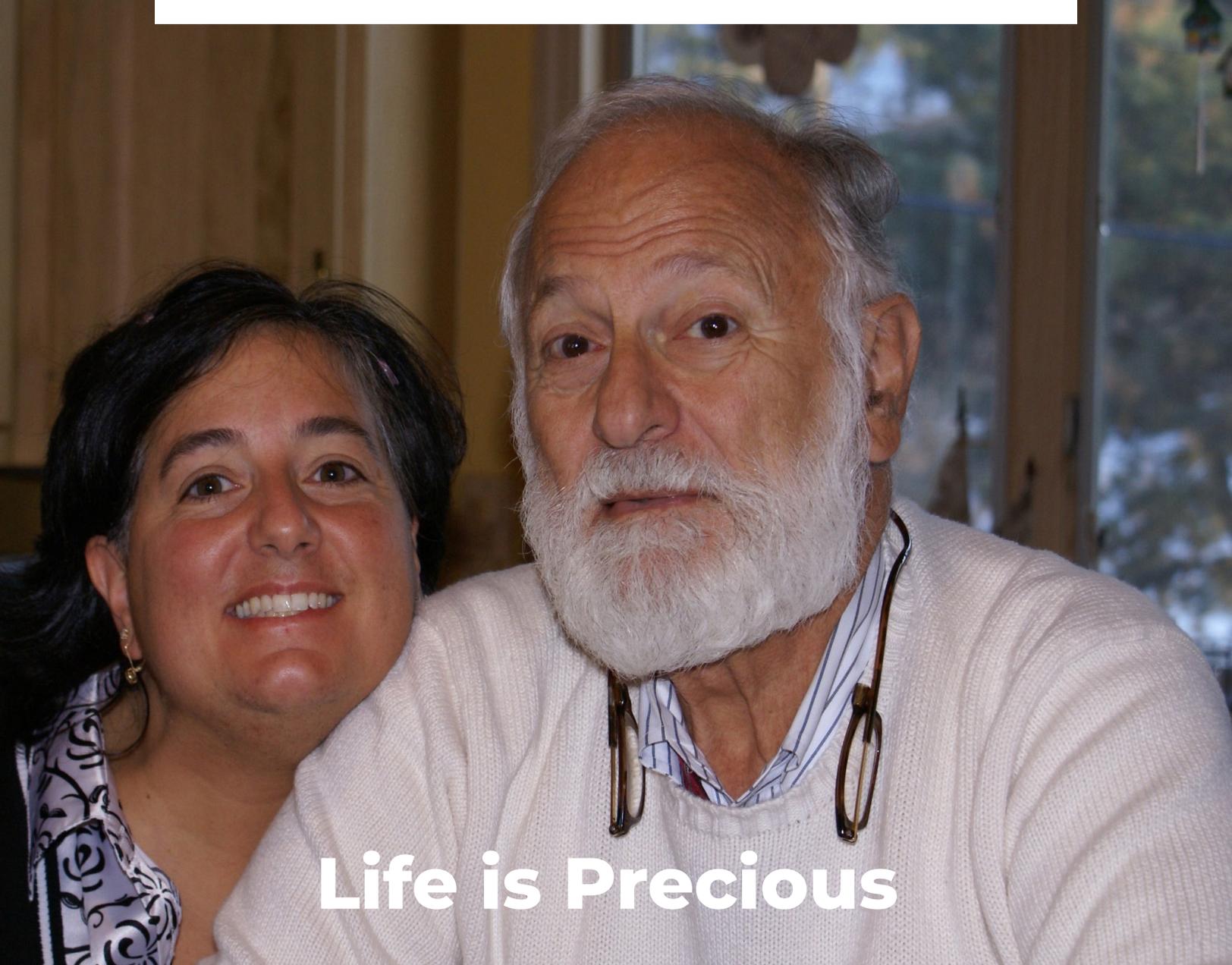
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Life is Precious

Despite numerous advances in healthcare, many still suffer. Nearly 50% of people have at least one chronic severe medical condition in America.

In addition, almost 1 in 20 Americans will have some form of cancer each year, and the incidence is higher in some countries.



For almost two centuries, the analysis of tissue has taken place primarily through the lens of a microscope

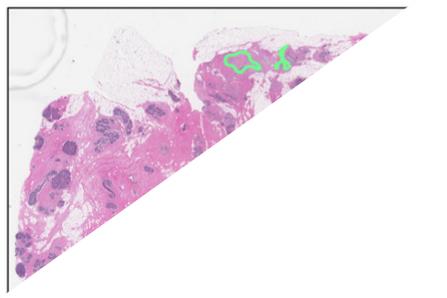
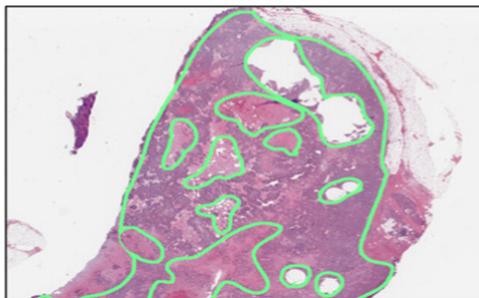
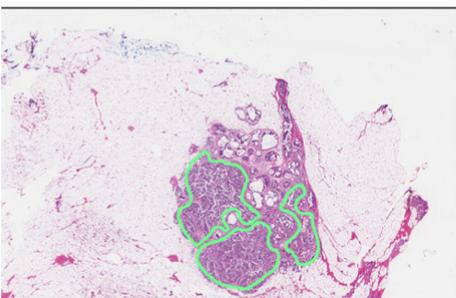
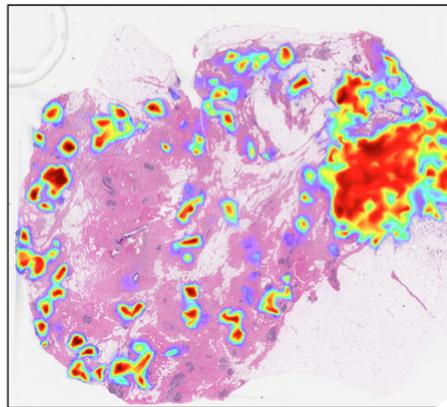
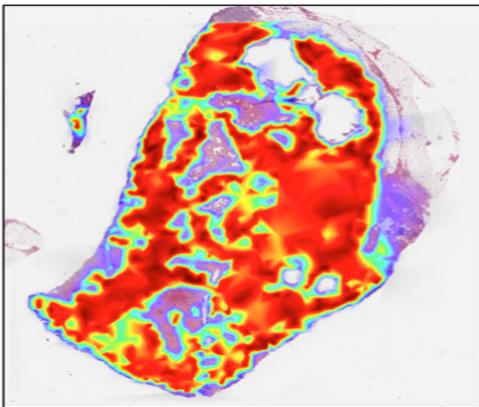
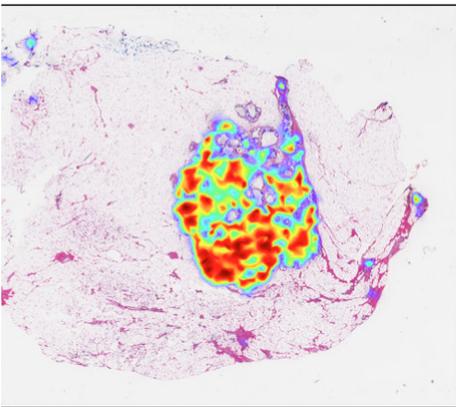
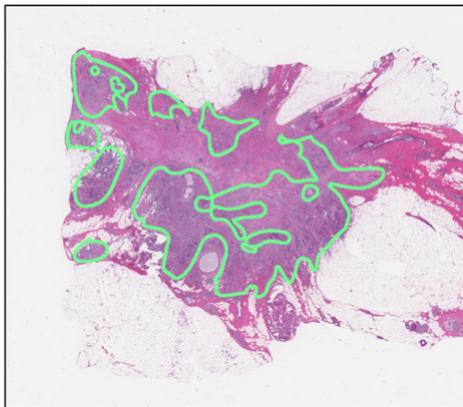
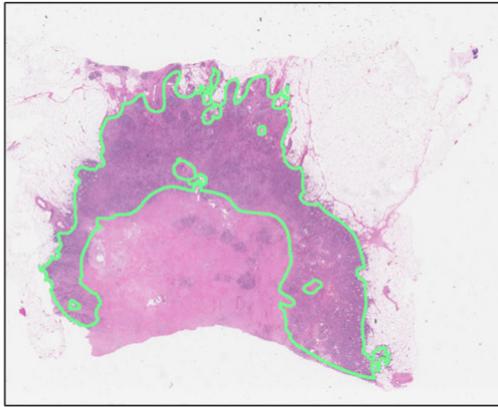
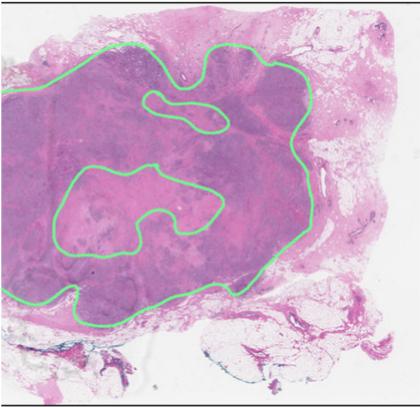
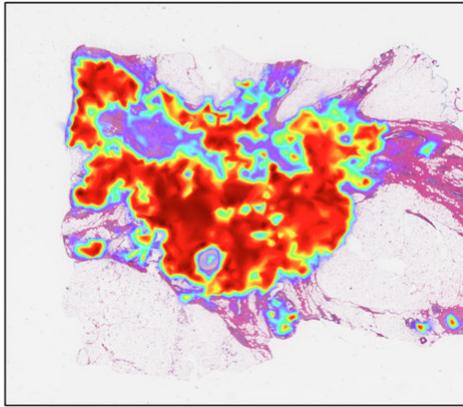
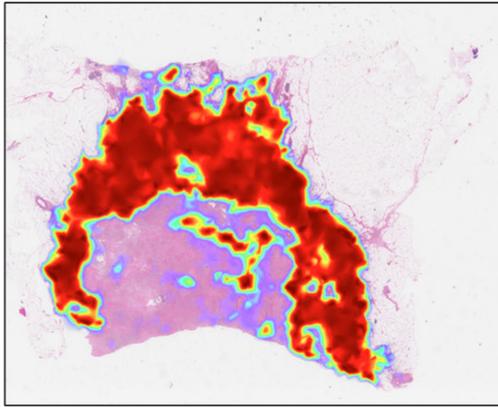
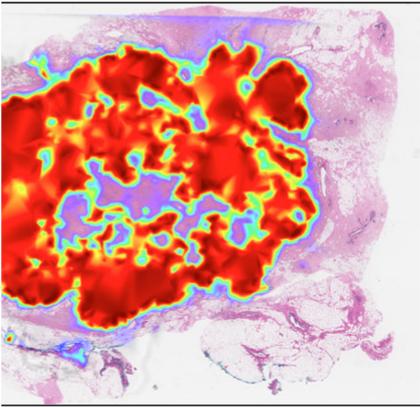


Pathology Today

The pathology laboratory creates up to 70% of all the medical information related to a particular patient, which is crucial in decision-making. But much of this information is siloed in disparate systems, limiting its use outside a single organization.

Recent advances in digital pathology, a process that creates a digital image from a glass slide meant for viewing under a microscope, are changing how laboratory professionals work.

In addition to improving workflow, accuracy, and quality, these whole slide images are creating new data elements related to disease states. Unfortunately, while laboratories worldwide possess millions of glass slides ready for imaging, technology adoption has been slow due to cost and technical constraints.



Computer-aided diagnostics are ready to bring new ways of understanding



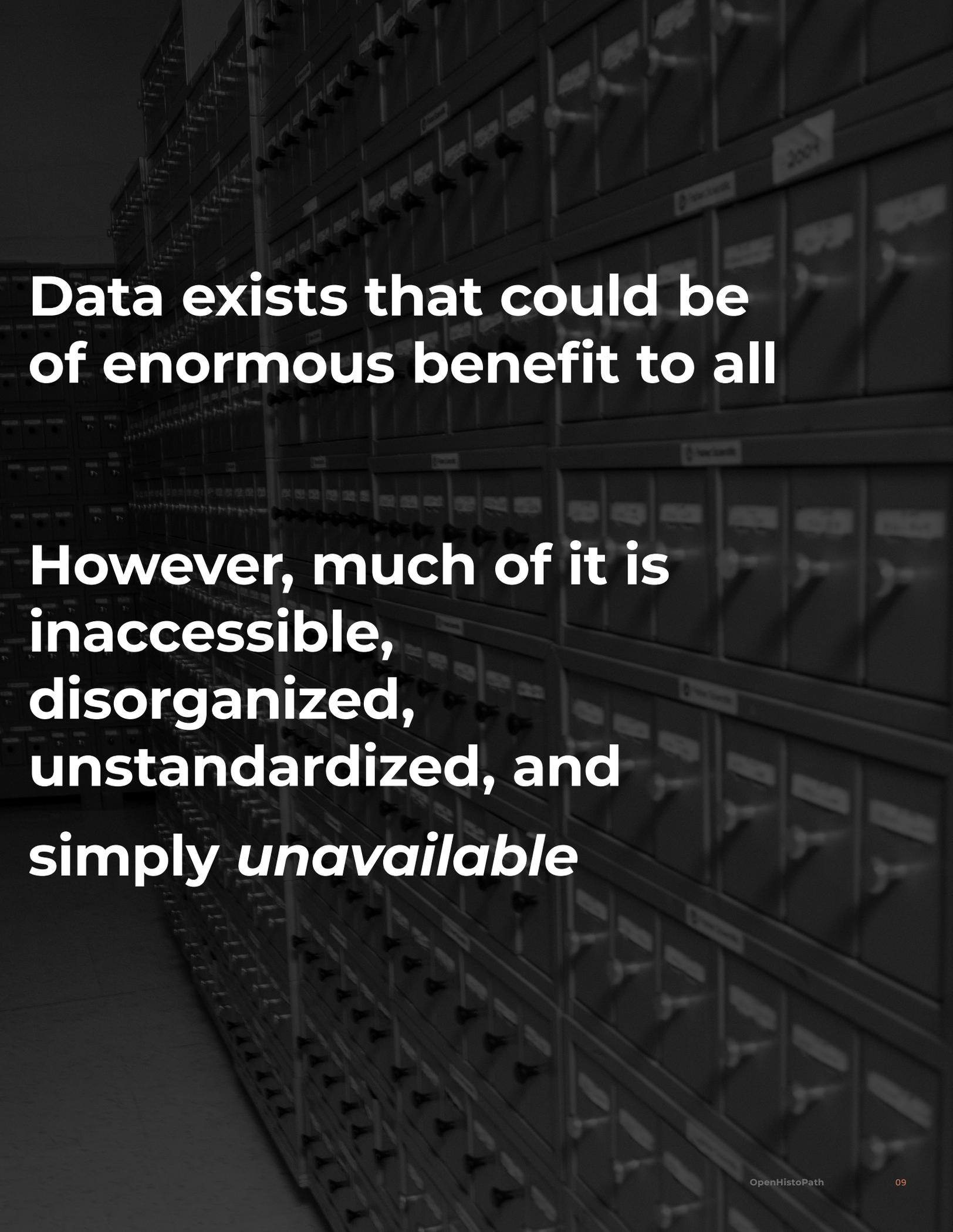
Future Promises

Healthcare is at the cusp of radical change from advances in technology and the advent of the big data era. Computer-aided diagnostics, also known as machine vision, machine learning, or artificial intelligence, promises to impact health and well-being with tools to benefit humanity significantly.

Medical specialties where seeing is critical are fertile grounds for novel applications, and pathology,

in particular, is on the brink of a renaissance. Soon, advances in computational pathology, combined with increasing amounts of patient data, may usher in a new era of personalized medicine.

However, without the raw material, the **data**, to fuel these developments, they will merely be promises, not reality.



**Data exists that could be
of enormous benefit to all**

**However, much of it is
inaccessible,
disorganized,
unstandardized, and
simply *unavailable***



OpenHistoPath

a pathology data research company



Our Solution

We will ensure that pathology data benefits all and improves the quality of care for hospitals, physicians, and patients.

We will create the world's largest, most comprehensive pathology image and data archive.

We seek to create "shared resources in which each stakeholder has an equal interest."^{*}

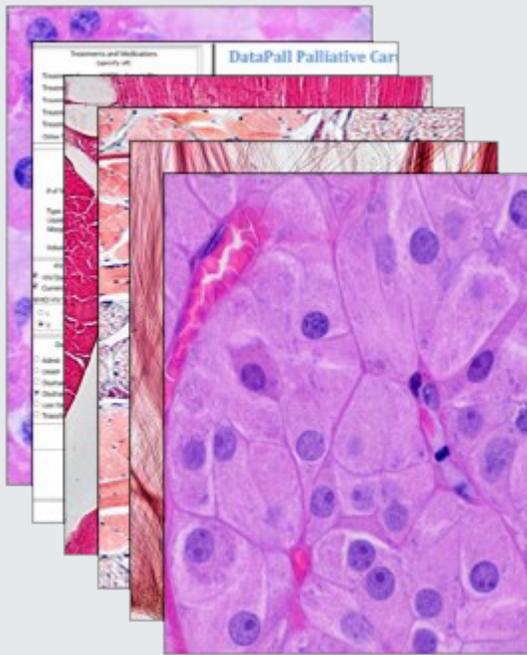
*"Digital Library Of The Commons". dlc.dlib.indiana.edu.

We will implement a democratized digital pathology image and data infrastructure, freely open to all to foster innovation, using FAIR principles.

Findable, **A**ccessible, **I**nteroperable, **R**eusable

PathArchive

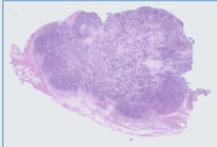
a freely-available,
metadata-rich pathology
image and data archive



We will incorporate data and images
from a variety of sources and
make them available via a robust,
searchable, web-based platform for
easy access.

Path Archive - The open pathology image database for
Logged in as: *username* | [logout](#)

Image: 4055



Patient Information
ID: H116395771699245220
Age: 60Y
Gender: F

Slide Information
Stain: H&E
Size: Standard
Producing Lab: WS334321
Date: 1/1/2009

Filename: 4055.svs
File path: <https://s3-us-west-2.amazonaws.com/patharchive/4055.svs>

Image Metadata:

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File Size	684339121 bytes
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Compression	Joeg
Description	Aperio Image Library v12.0.15
ApoMag	40
StripeWidth	2032
ScanScope ID	SS7350
Filename	4055
MPP	0.5023
Left	26.870415
Top	20.966818
LineCameraSkew	0.000942
LineAreaXOffset	0.024779
LineAreaYOffset	-0.006942
Focus Offset	-0.000500
DSR ID	10.1.245.36
ImageID	4055
Exposure Time	32
Exposure Scale	0.000001
OriginalWidth	46736
OriginalHeight	33380
File path:	
ICC Profile	AT2

Specimen Information
Organ: Lung
Organ System: Respiratory
Category: Malignancy
Type: Adenocarcinoma
Full Diagnosis: Adenocarcinoma, solid and
Collection Date: 12/30/2008
Fixation Time: Unknown
Cold Ischemic Time: 3m

Block Information
Embedding Medium: Paraffin
Block Age: 12y 11d
Block Condition: Excellent
Block Available: Yes

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Our People



Brandon Combs

Chief Operating Officer

Brandon is a Cisco certified Technical Solutions Engineer who works at the South Bend Medical Foundation pathology laboratory, where he started as an independent contractor over a decade ago. At Indiana University, he attained Bachelor of Science degrees in Mathematics and Physics followed by a Master of Science degree in Applied Mathematics and Computer Science. He is certified in advanced computer programming. Brandon's experience includes project management, software development, system and network administration including cloud systems and multi-site networks. His knowledge spans many information systems, applications, and architectures.

Bryan Schindler

Chief Technology Officer

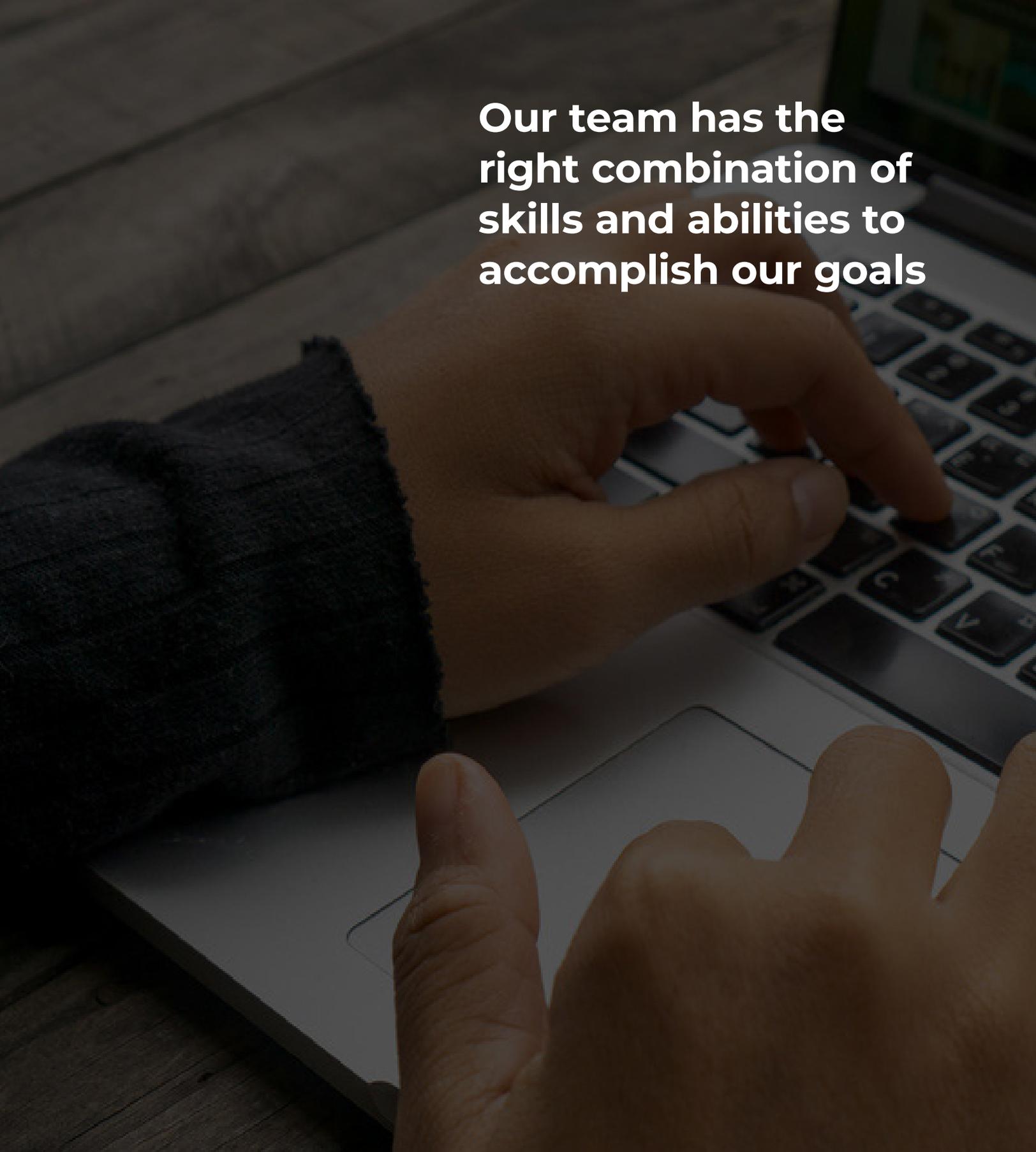
Bryan is president of Schindler Software and has worked as an independent contractor for numerous organizations, including those in healthcare. He has worked with the Michiana Health Information Network (MHIN), a health information exchange that was founded over 20 years ago and works with Harmony Healthcare IT in data archiving. He is a graduate of the University of Notre Dame with a Bachelor of Science degree in Mathematics. He has extensive experience in business intelligence, big data, and data analytics.



Derrick Forchetti, MD

Chief Scientist

Dr. Forchetti is a board-certified anatomic and clinical pathologist with 20 years of hands-on experience in patient care. He is a graduate of Wabash College with Bachelor of Arts degrees in Chemistry and German and received his medical degree from Indiana University School of Medicine. Recently, he earned a Master of Science degree in Data Science from the University of Wisconsin. Dr. Forchetti has been working with a group of pathologists as an independent consultant for Google Medical Brain, assisting them with machine learning projects and other technologies related to pathology and radiology. He is proficient in Python and R, especially as it relates to data



**Our team has the
right combination of
skills and abilities to
accomplish our goals**



OpenHistoPath

is a
purpose driven
employee owned
company



**We can't
do it alone**



We need your help.

Whether you have glass slides, images, data, tissue samples, resources, or expertise, please reach out to us today to see how we can work together to make a difference.



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