

SCALING AT THE EDGE

JelloX MetaLite[®]
Digital Pathology
Edge Solution



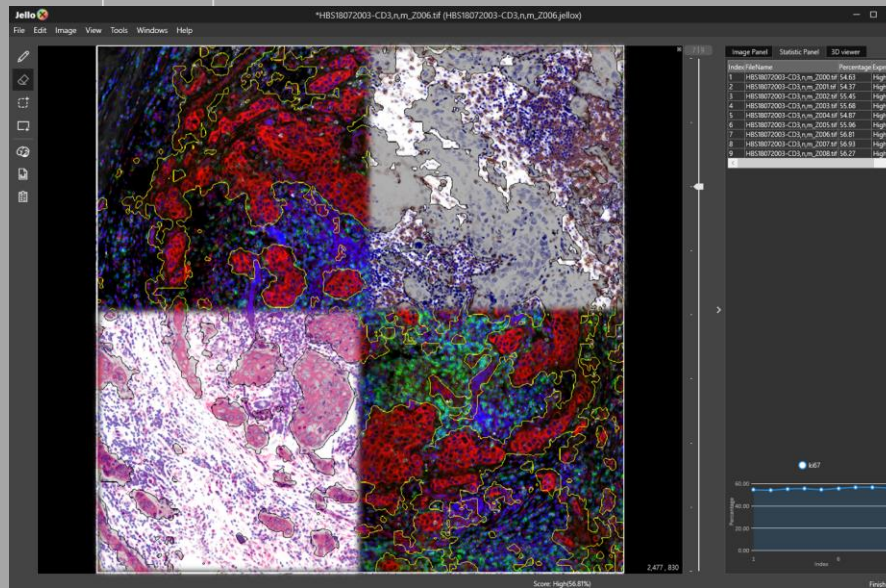
Dr. Jarvis Lin
Chief Technical Officer
JelloX

MetaLite® Digital Pathology Edge solution

MetaLite® Highlights

- Edge device available pathology viewer
- Supporting various Whole Slide Image (WSI) file formats
- AI-assisted functions running with CPU
- Easily scalable with Intel® NUC based on 11th Gen Intel® Core™ processors

Powered by Intel® Distribution of OpenVINO™ toolkit



MetaLite[®] Digital Pathology Edge solution – Functions

R/W

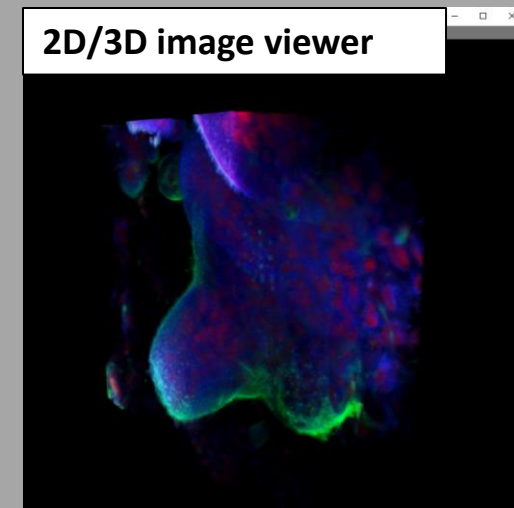
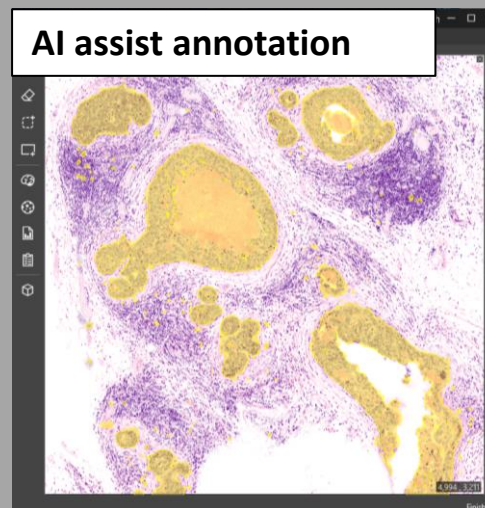
Various
WSI format supporting*

Friendly
Annotation tools

AI

Light-weight
AI models

AI-Analysis-Report
Complete workflow



Analyze & report

Index	FileName	Percentage	Expression
12	B-2.tif	19.07	High
13	B-2.tif	20.39	High
14	B-2.tif	20.84	High
15	B-2.tif	20.30	High
16	B-2.tif	23.90	High
17	B-2.tif	22.37	High
18	B-2.tif	23.91	High
19	B-2.tif	22.91	High
20	B-2.tif	23.03	High
21	B-2.tif	22.91	High
22	B-2.tif	20.75	High
23	B-2.tif	20.95	High
24	B-2.tif	20.07	High
25	B-2.tif	20.16	High
26	B-2.tif	20.30	High

Department of Pathology
Surgical Pathology

Patient Name: Jack
MRN: 19/07/1989
DOB: 19/07/1989
Gender: F
Location: New York
Account #: 15
Surgeon(s): Breast
Copy To:

SPECIMEN(S) RECEIVED:
1: right axillary breast sentinel node
2: right breast lumpectomy
3: true lateral margin:right breast tissue

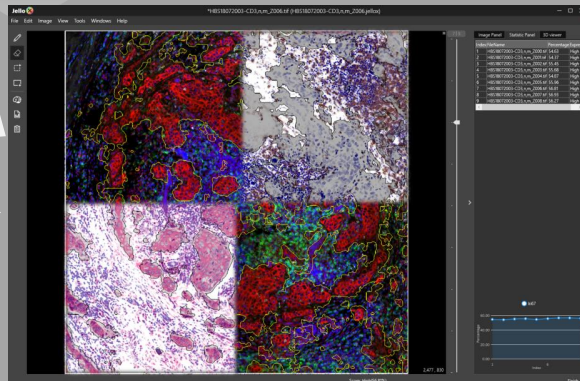
FINAL PATHOLOGY DIAGNOSIS:
1. Sentinel lymph nodes, right axilla, excision:
MICROMETASTASIS (SINGLE FOCUS, 0.21mm) PRESENT IN ONE
COMMENT).
2. Right breast tissue, lumpectomy with inked margins:
a. DUCTAL CELL CARCINOMA IN SITU AND INFLTRATING DU
COMMENT).
b. fibrocystic changes.
3. Right breast tissue designated true lateral margin, excision with inked
benign breast tissue with fatty replacement. No tumor seen (see comr
Synopsis for INVASIVE BREAST

Reference for margin status evaluation:
COMMENTS:
The tumor is poorly...

* Including: jpg, png, tif, svs, ndpi, bif, mrxs, iSyntax, DICOM

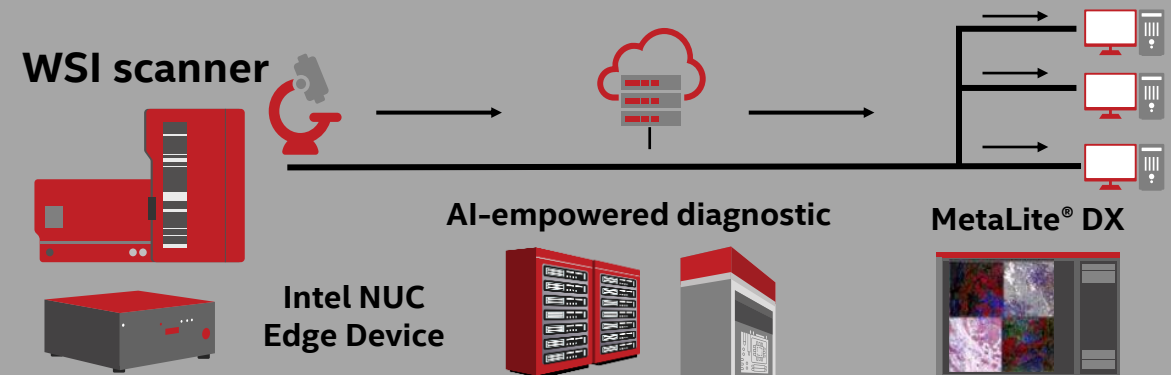
MetaLite® Application – Clinical Research/Diagnostic

Clinical Research



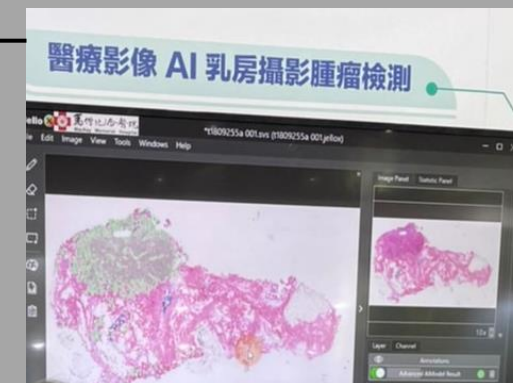
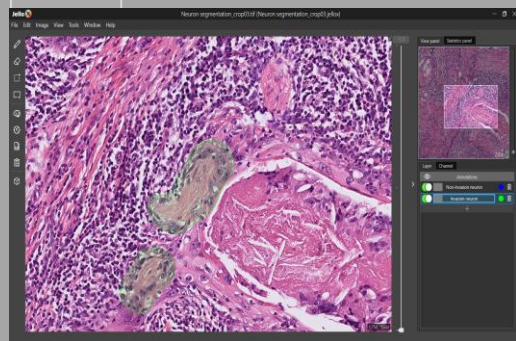
- ✓ Easy adoption
- ✓ Edge-AI computing
- ✓ Cross analysis

Clinical Diagnostic



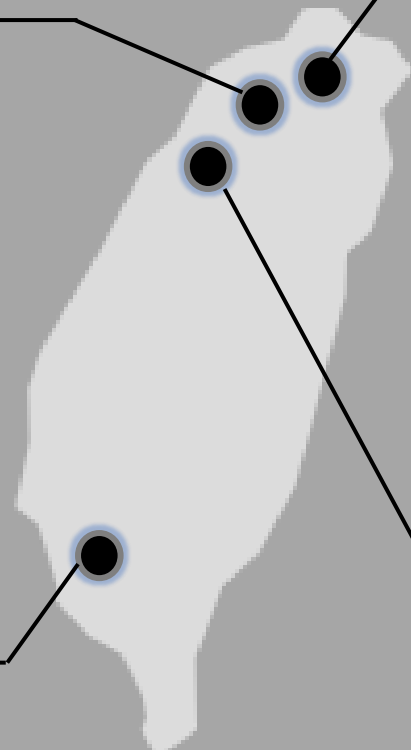
- ✓ Easy adoption with current server architecture
- ✓ Low-cost adoption without increasing GPU tower
- ✓ Edge-AI computing with package AI models

MetaLite[®] Success Application Cases




intel OpenVINO Jello

遠距會診：實現台灣首例跨院遠距病理服務及多頭顯微鏡病理共識會議
 不斷的精準醫療 AI Pipeline：由臨床案例的蒐集與專家標註，持續累積精準醫療的能量
 Intel® OpenVINO™：導入邊緣運算優化技術，最多可縮短 5 倍預測時間
 結構化報告系統：創建整合標準編碼報告模板，高效輸入介面，降低專業報告閱讀門檻

Next Generation Pathology



Reimaging Pathology at new Horizon

For more information, please visit following link :

JelloX Biotech Inc. <https://jellox.com>



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