

Welcome to ECCB-W4 Computational Pathology Workshop



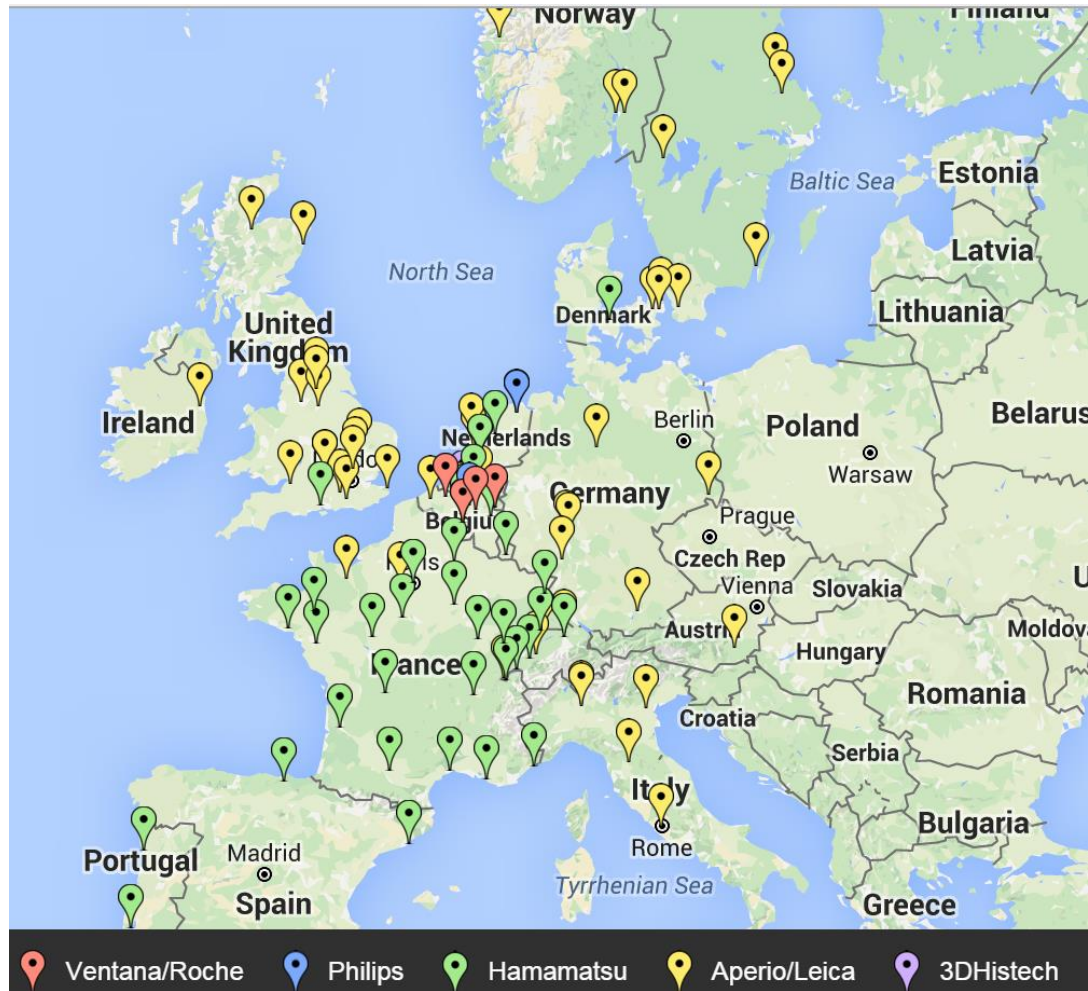
Yves Sucaet, PhD
Vrije Universiteit Brussel

What is Whole Slide Imaging (WSI)?

- The technique of converting glass-mounted microscopy material into a digital representation / image.



Where does it happen?



An eye opening experience

Data Fusion and & 21st Century Diagnostics

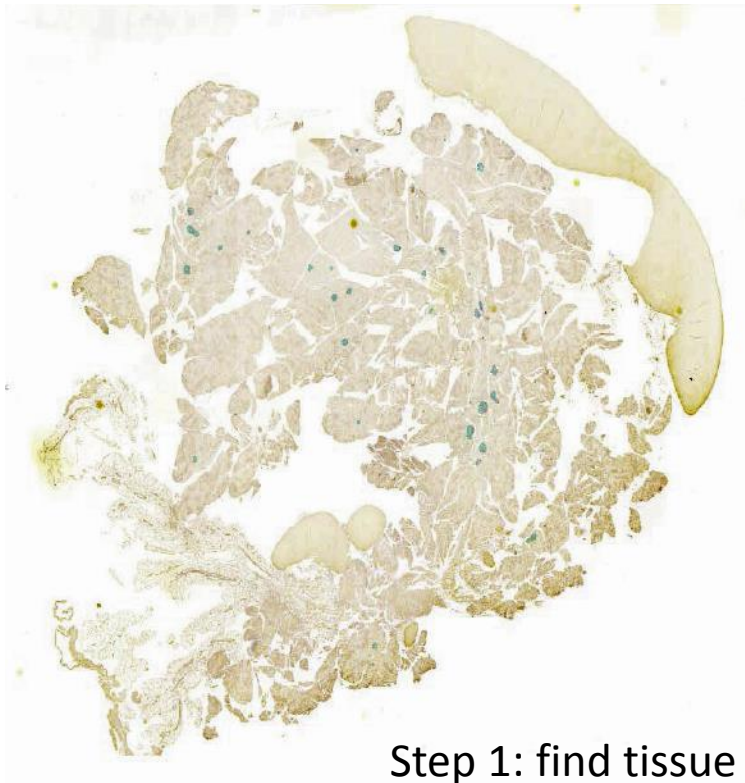
Fused Diagnostics
Integrated Diagnostics
Advanced Analytics
Computational Diagnostics
Personalized Predictive Modeling

John E. Tomaszewski, MD

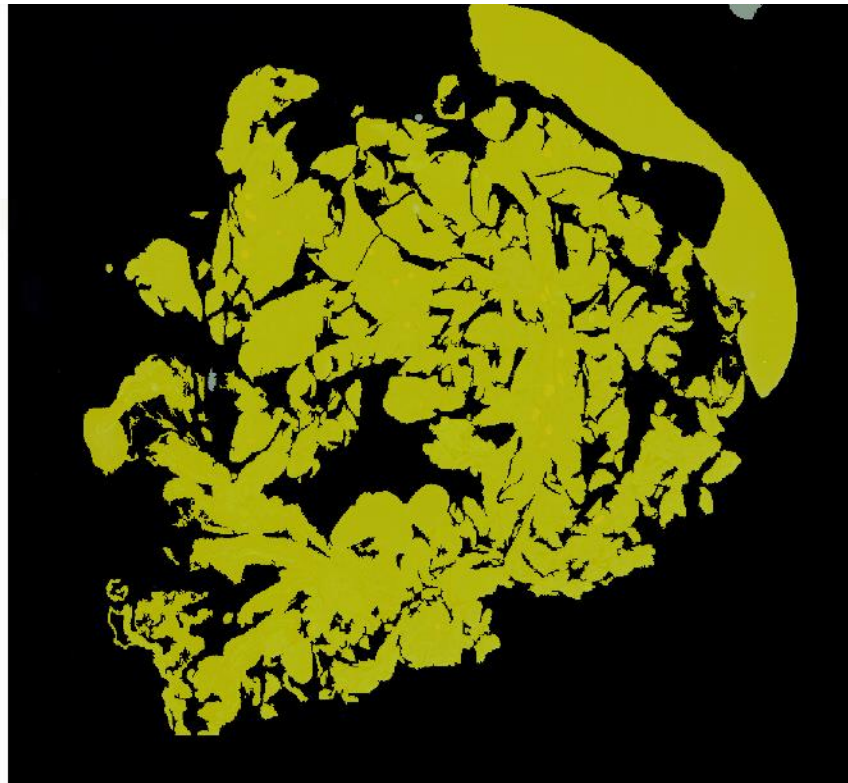
Professor and Chair Department of Pathology & Anatomical Science,
University at Buffalo, State University of New York



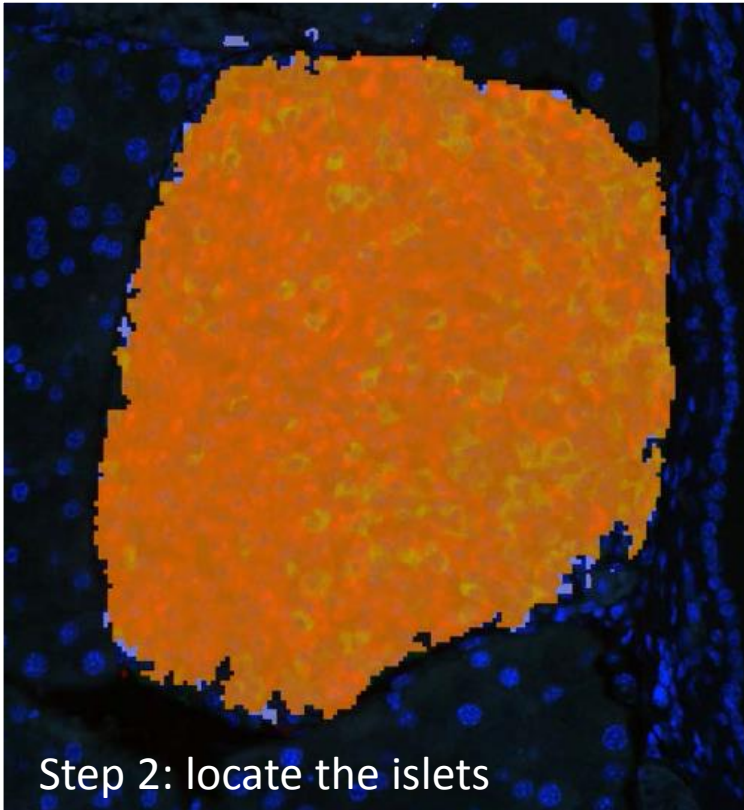
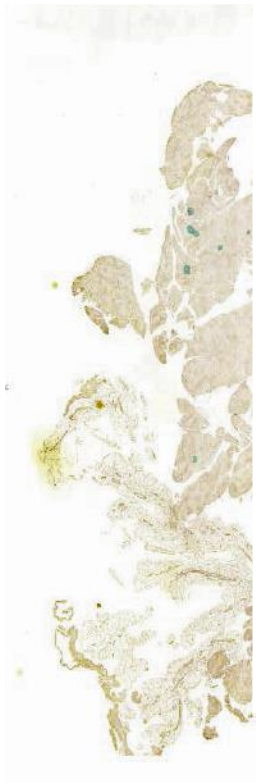
Example image analysis application



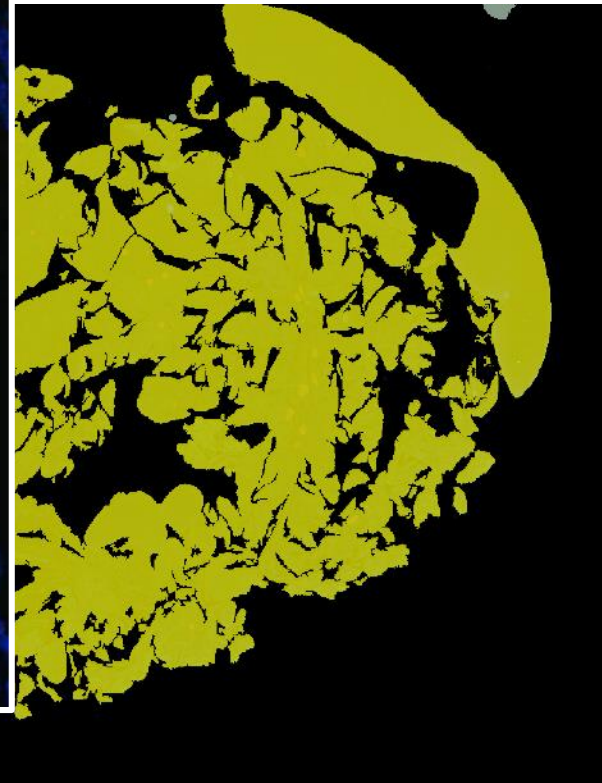
Step 1: find tissue



Example image analysis application

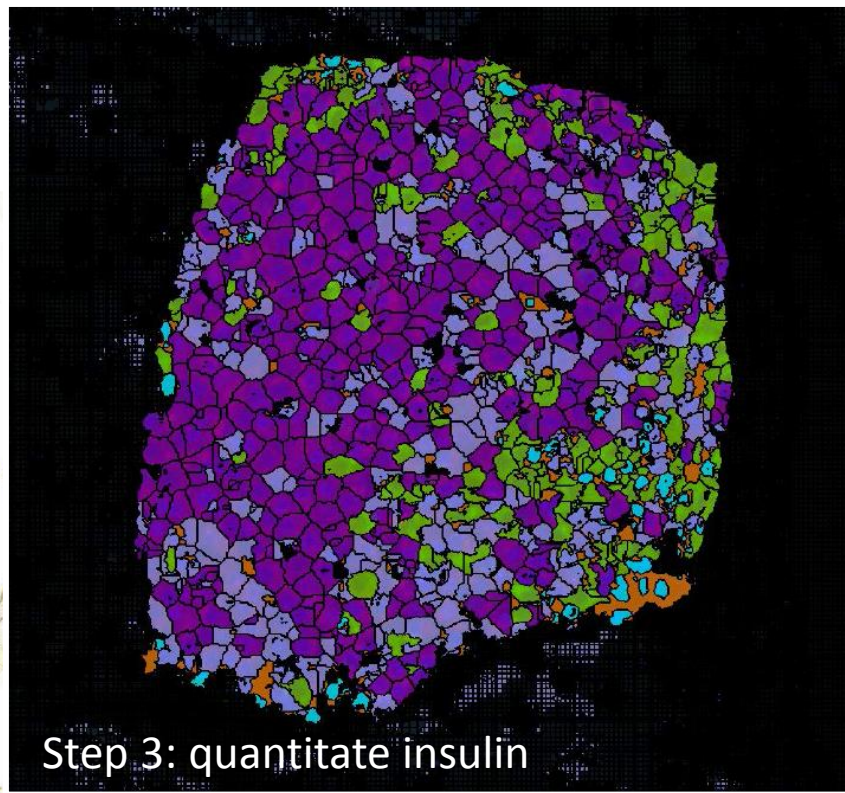


Step 2: locate the islets



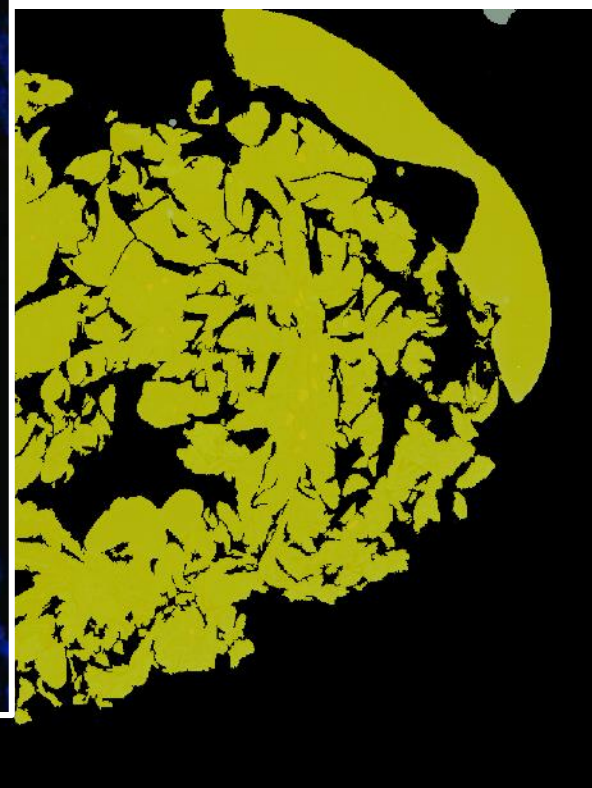
Step 1: find tissue

Example image analysis application



Step 2: locate the islets

Step 1: find tissue



BUT there's a problem

BUT there's a problem



BUT there's a problem



How to bridge two worlds?

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