Made in Canada Solutions for Digital Pathology

A. E. (Ted) Dixon
Conference Board of Canada

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Huron Technologies International Inc.
Waterloo, ON
Made in Canada Solutions for Digital Pathology:
Huron’s TISSUEscope™ Slide Scanner
with
Canadian Software Component Partners

Clinical Partners in Two Provinces
Supported by htx and CImTeC
Scanner Development Supported by Collaboration
with Sunnybrook Research Institute
TISSUEscope™ Slide Scanner
Huron’s Clinical Digital Pathology Solution

TISSUEscope™
Slide Scanner
(Huron Technologies)

Image Processing
(ClImTeC, Robarts)

Workflow Management
(RealTime Medical)

Server
(Claron)

PACS
(TBD)

LIS
(NovoPath, CoPath)

Viewer (Claron,
Objective Pathology,
Sedeen)

Local Storage
(Objective Pathology)

Cloud Storage
(Claron)

Local Pathologist

Remote Pathologists

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Small Business Innovation Research - SBIR

An Example of Government Procurement of R&D in Small Companies
• Phase I: $150,000 for 6 month proof of principle and commercial feasibility
• Phase II: $1,000,000 for 2 years

$2B/year Program (NIH portion $600M)
• 2.5% of extramural R&D budget of 11 Federal Agencies
• Overhead cost less than 5% (similar to NSERC)

Companies 51% American owned, research performed in USA
• Principal Investigator has primary employment with the Company
• No matching funds required, may have multiple awards

World’s most successful program pulling together Basic Research, Small High-tech Firms and Venture Capital
• Several EU countries have copied SBIR
• Canada has no equivalent program
TISSUEscope™ Slide Scanner – Brightfield

Courtesy of Dr. Martin Yaffe (Sunnybrook Health Sciences Centre)
Whole Mount Breast Cancer Research; 170 x 120 mm; 48 GB image (compressed)

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