

Qi Tissue

Quantitative Imaging Systems



Nicolas Arnaud-Cormos nicolas.arnaud-cormos@kdab.com



Curing Cancer: multiple teams





Comprehensive Suite of Modern Software Tools



Qi Tissue

- Image acquisition
- Multiple processing and visualization techniques



Image from election microscope





Demo

The Qt, OpenGL and C++ experts

Parallelization

- Based on QRunnable / QThreadPool
- Advanced features
 - Cancellation, progress
 - Avoid I/O issues



∡KDAB

2D View

- Based on QGraphicsView
- Improved performances

• Tiles



• MIP mapping



3D View

- Based of Qt3D
- Qt3D framegraph implemented in QML, using a **QQuickWidget**
- Uses a tessellation evaluation shader





One more thing...

The Qt, OpenGL and C++ experts



Nanoquill – The coloring book of life



- Images generated by electron microscope are Black and White
- Algorithms have troubles extracting shapes
- Human eyes are very good at that





ID 00001-001



Nanoquill



A book



A website www.nanoquill.org

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An application iOS & Android

"Qt provides a large ecosystem with a number of things that have saved us an enormous amount of time so that we can focus better on solving cancer rather than solving software problems."

Michel Nederlof, CTO, Quantitative Imaging Systems





Merci!

The Qt, OpenGL and C++ experts