

## **STRATEGY**

**Underlying** technologies

Semiconductor

Material

• Fiber

## **TOOLS**

- QD Mode Locked edge emitting lasers
- QD amplifiers
- Electrically pumped mode locked VECSELs
- Optically pumped mode locked VECSELs

# • QD-SESAM ML

Widely tunable ML lasers based on SHG in non-linear crystals

solid state lasers

 High power widely tunable ML fiber lasers based on QD-SESAMs

## APPLICATIONS

#### **Imaging**

- Nonlinear microscopy
- Multimodal spectroscopy
- Optical coherence tomography

#### Intervention

- Micro-/nano-surgery
- Medical ablation
- Endoscopy (photo-therapy)

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