



RiverD International B.V.



Solutions for unmet diagnostic needs, based on Raman spectroscopic tissue analysis

- **gen2-Skin Composition Analyzer:** *in vivo* analysis of the molecular composition of the skin
- **High Performance Raman Module (OEM)**
- **Microscope objectives for NIR Raman spectroscopy**



Under development: dedicated diagnostic devices

- **NMF-scan** (dedicated skin analyzer) ; atopic dermatitis

- ID of newborns at risk → disease prevention
- Stratification of Atopic Dermatitis-patients
- 4 sites for clinical evaluation



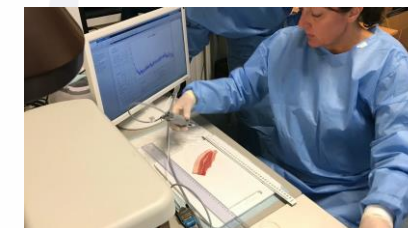
- **Raman-guided surgery (skin)**

- system for supporting Mohs' micrographic surgery
- 2 development sites:
 - Nottingham, Rotterdam



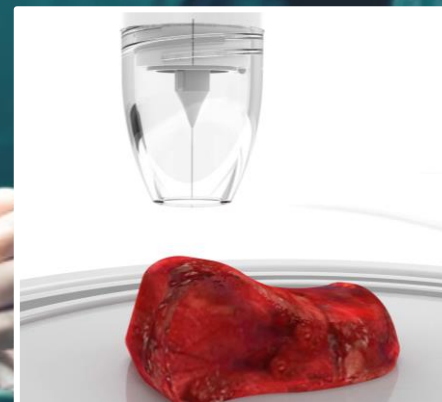
- **Raman-guided surgery (oral cavity)**

- Intra-operative assessment of tumor resection surfaces
- Oral cavity squamous cell carcinoma



*Improving
Surgical
Oncology*

SurGuide



How can you help us ?

- Cost needs to come down: cost drivers in Raman
 - Detectors: CCD/sCMOS
 - Lasers
 - Custom optics
- RiverD would like to combine its *in vivo* skin analysis with imaging modalities

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