

**Review of what was done and activities now**

**What do we presently have in Lund?**

**Academically:**

**Slow-light photoacoustic imaging: S. Kröll *et al.***

**Clinical multispectral photoacoustic imaging; M. Malmsjö**

**New-born baby lung monitoring by GASMAS**

**Diffuse and time-resolved tissue reflectance: Reistad *et al.***

**Scattering media light propagation: Berrocal *et al.***

**Agricultural/disease vector insect monitoring: Brydegaard**

**Laser-based proton/electron acceleration/X-ray generation**

**Industrially (7+ PhD trained in Biophotonics)**

**SpectraCure: Interstitial photodynamic therapy (IPDT)**

**GPX Medical: Neonatal, ENT diagnostics with GASMAS**

**Gasporox: Food and drug packaging (TDLAS, GASMAS)**

## **Potential new/revived collaborations (partial list) ?**

**Neurosurgery: LIF, Raman, IPDT (AF, FF, Spectracure)**

**Orthopedy: GASMAS (AF, GPX)**

**ENT: GASMAS (GPX, AF, FF)**

**Lung: GASMAS, also on larger children (IC, Pediatrics, GPX, FF)**

**Oxygenation: PAI, TOFS, GASMAS (AF, IM, IC, Pediatrics)**

**Small animal imaging: PAI, DRS (IM, AF, IC)**

**Tissue optics: MC (Spectracure, FF)**

**Microscopy: (oncology, KF, Mathematics)**