

**Company profile:**

Biofotonika R&D Ltd, founded in 2004 by Prof. Dr. Győző Garab and Dr. József Gál, is a spin-off company focusing on elaboration, technical development and biological applications of advanced spectroscopic and laser-scanning microscopic techniques.

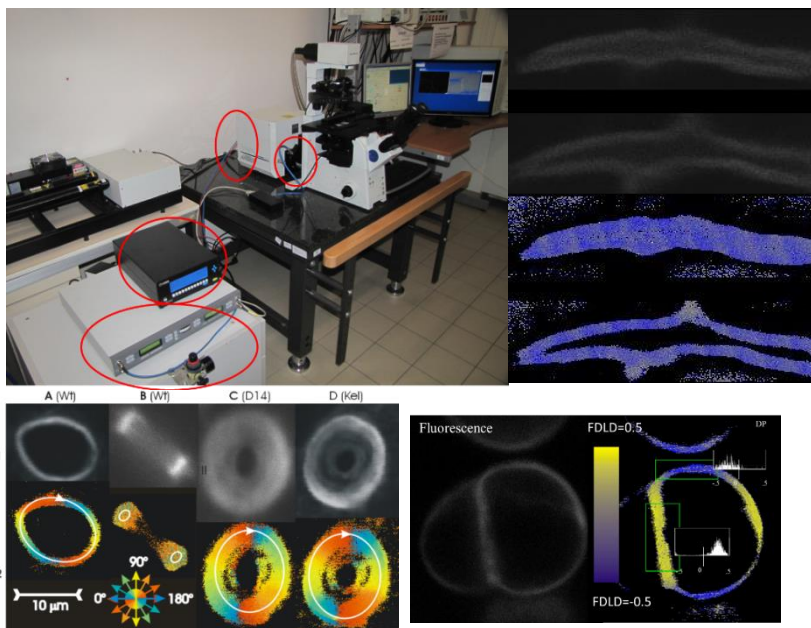
Major products:

**DP-LSM:** Differential-Polarization Laser Scanning Microscope, which is capable of high-precision quantitative mapping in 2D and 3D several anisotropy parameters (LD, FLD, r, P, LB and CD, FDCD, CPL) in tissues, cells, organelles and molecular macroassemblies ([www.dplsm.eu](http://www.dplsm.eu)).

**ICAM:** Integrating Cavity Absorption Meter, for measuring distortion-free absorption spectra of weakly absorbing turbid liquid samples, e.g. cell suspensions, samples from natural waters.

**Fields of cooperation:**

- **Differential-polarization attachments for laserscanning microscopes – transform your LSM to DP-LSM**
- **ICAM – construction of integrating sphere sample holders to spectrometers**
- **Participation in projects with laser spectroscopic, polarization spectroscopy and microscopy techniques**
- **Participation in photosynthesis projects – with biophysical, stress physiology expertise**



LSM with DP attachments, and typical fluorescence and DP images (human amyloids, wt and mutant nurse cell O-ring canals, plant cells)

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<http://biofotonika.artificialphotosynthesis.eu/index2.html>