



TIRF Microscopy Spectroscopy Electrochemistry

Single Molecules Detection and Manipulation



FluoroGazer™ - TIRF Biosensor Instrument

- TIRF biosensor instrument with detection limit at single molecules
- Computer-controlled fluidics and filter wheels
- LED or laser (473, 532, 635-nm) illuminators
- Photon counting PMT / EM-CCD detectors
- Optional electrochemical and temperature control
- User friendly acquisition and data analysis software

Turnkey Single Molecule Detection TIRF Microscopy System

Modular SMD system includes:

- Fluorescence microscope
- Lightguide-based TIRF microscopy flow system
- Low light EM CCD camera
- Multi-color computer-controlled illuminator
- Computer-controlled fluidics
- Potentiostat and wave-function generator
- Software for instrument control, data acquisition and analysis



Lightguide- and Prism-based TIRF Microscopy Systems

- YOUR microscope and YOUR objectives (no dependency on expensive optics)
- Open perfusion or closed flow chambers
- Install/uninstall in less than one minute
- LED, Xenon lamp and laser illuminator
- Optional electrochemical control and computer-controlled fluidics



TIRF Accessories for fluorometers

- **TIRF Accessory** transforms your spectrofluorometer into a super-sensitive TIRF biosensor instrument. Employ TIRF with optional electrochemical and/or temperature control
- **SmartFlow Fluidics** allows to run unattended TIRF experiments while recording TIRF sensograms to derive k_{on} and k_{off}



TIRF Technologies

951 Aviation Pkwy, Suite 700, Morrisville, NC 27560

• Tel: (919)463-9550 • FAX (919)463-9574

www.TIRFtechnologies.com e-mail:info@tirftechnologies.com