Fluorometer - Horiba Fluorolog-3

Description

The Horiba Fluorolog-3 spectrofluorometer is used for steady-state and time-resolved phosphorescence measurements of solid, liquid, and thin film samples in the 200nm to 1650nm spectral range. The instrument has automated polarizers for anisotropy measurements, 2 array detectors (OE-CCD & InGaAs Array), a Peltier-temperature-controlled sample chamber, a 4-position motorized sample chamber, and an integrating sphere for Quantum Yield measurements.

Configuration

- Synapse OE-CCD Array Detector (200nm to 1050nm range)
- Synapse IGA-512X1-50-1700 InGaAs Array Detector (800nm to 1650nm range)
- R928P cooled PMT Detector (250nm to 900nm range)
- Automated Polarizers
- Front-Face Mode
- Peltier temperature control
- Pulsed Xe lamp for Phosphorescence lifetimes
- Solid sample holder
- 4-position sample holder
- Fiberoptic interface
- Quanta-Phi integrating sphere

Training

Users may request training

Location

Lab: GCIS ESB43

Contact

Justin Jureller