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**Press Release**

#### **PicoQuant releases 560 nm laser for applications in Life Science**

**The new picosecond pulsed laser emits light in the yellow-green spectral range ideal for the excitation of many molecular probes**

**Berlin (Germany), 16 February 2017** – PicoQuant has released a laser head that emits laser pulses at 560 nm. The fiber amplified laser head LDH-P-FA-560 delivers average optical powers of more than 3 mW at a repetition rate of 40 MHhz with pulse widths down to 40 ps. The new laser nicely rounds out PicoQuant’s range of picosecond pulsed laser sources in the yellow-green spectral range. The LDH-P-FA-560 is fully compatible with all laser drivers from PicoQuant’s PDL Series. The collimated free beam output can optionally be coupled into an optical fiber.

The 560 nm light emitted by the LDH-P-FA-560 is optimally suited for exciting molecular probes commonly used in Life Science or Biology, including fluorescent proteins, such as mCherry, RFP, or DsRed as well as dyes like CY3 or Atto565. The characteristics of this new laser head also provide opportunities for applications in bioanalytics, biochemistry, genetics, semiconductor characterization, and quality control.

Laser heads from the LDH and LDH-FA Series are robust, easy to use excitation sources that are well suited for a wide range of time-resolved microscopy and spectroscopy applications, such as fluorescence spectroscopy, Fluorescence Lifetime Imaging (FLIM), or Fluorescence (Lifetime) Correlation Spectroscopy (F(L)CS).

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**About PicoQuant**

PicoQuant is a research and development company in the field of optoelectronics. The company was founded in 1996 and is based in the science and technology park Berlin-Adlershof, Germany. The company is a worldwide leader in the field of single photon counting applications. The product line includes pulsed diode lasers and LEDs, photon counting instrumentation, fluorescence lifetime spectrometers and time-resolved confocal microscopes. PicoQuant employs currently around 60 people. Since April 2008 Sales and Support in North America is handled by PicoQuant Photonics North America Inc.

**Attachment**

Picture of the new LDH-P-FA-560

Caption: PicoQuant releases picosecond laser in the yellow-green range.



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