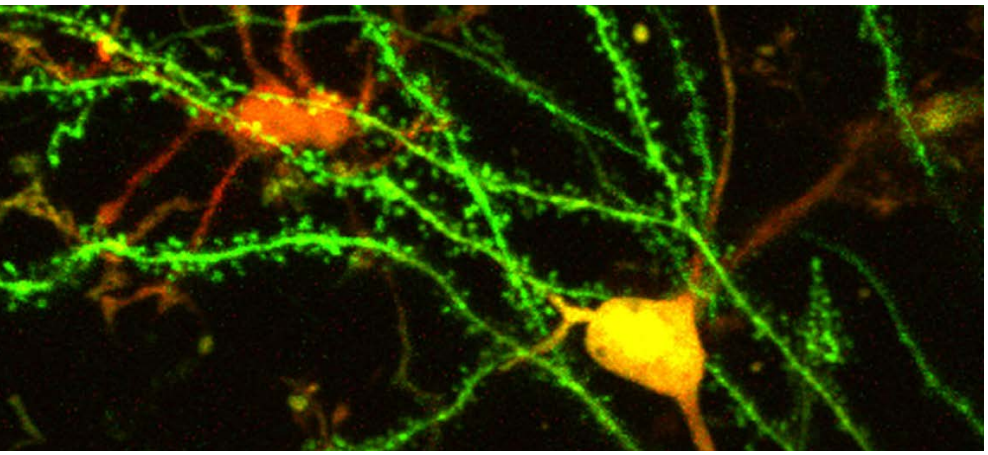
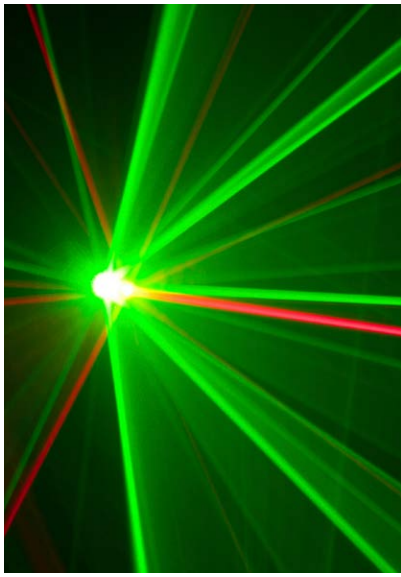
AHF ANALYSENTECHNIK

HIGH-END OPTICAL FILTERS

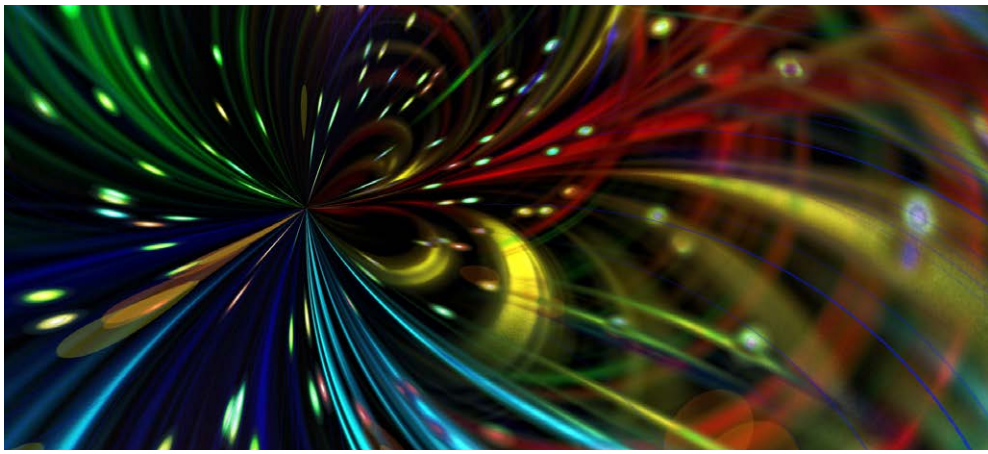
For photonics, spectral analysis and microscopy



Benefit from
interdisciplinary and
longterm expertise!



Fluorescence analysis
Biomedical optics
Laser systems
Raman / LiDAR
Machine vision
Quantum technologies



OUR EXPERIENCE ... YOUR BENEFIT!

FILTER DESIGNS FOR MANY APPLICATIONS

In cooperation with very experienced manufacturers, we will offer optical filters that optimize the performance of your systems. Specified AOI range and cone angles of the light beams will be taken into account as well as manufacturing tolerance and operating temperature. By selecting substrate materials and innovative coating techniques, high-end optical performance can be achieved as well as low budget solutions for bandpass, dichroics, ultrasteep edge or notch filters.

WE ARE AT YOUR SERVICE

- In depth-advice from filter experts
- Filter mounting service into cubes and holders
- Filter quality check
- Free filter demos and after sale service

FOR OEM CUSTOMERS

- Filter project support from prototype to series
- Filter volumes from small batches to high volumes
- More than 20 years interdisciplinary expertise

- **HIGH-QUALITY SUBSTRATES**
- **MODERN SPUTTERING**
- **INHOUSE QUALITY CONTROL**
- **10 YEARS WARRANTY**
- **FREE FILTER DEMOS**

KEY CHARACTERISTICS OF FILTERS

- Excellent out of band blocking ≥ OD6
- Transmission up to 98 % (avg.)
- Exceptional environmental and temperature stability (–200 °C up to +350 °C)
- CWL tolerances as tight as 0.05 nm in UV-NIR range
- Center wavelength (CWL) at any wavelength from the UV to the mid IR (~250 nm to 2.5 µm)
- FWHM bandwidths in UV-NIR range as narrow as 0.1 nm
- Surface flatness after coating as low as λ/20 PV/inch @632.8 nm
- Filter dimensions from 3 x 3 mm to 258 x 258 mm

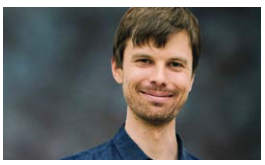
ASK OUR FILTER TEAM!

Michael Sommerauer
ms@ahf.de

Ingrid Feuerbacher
if@ahf.de

Andreas Braunwarth
ab@ahf.de

Alexander Krause
ak@ahf.de



Frederic Feuerbacher
ff@ahf.de