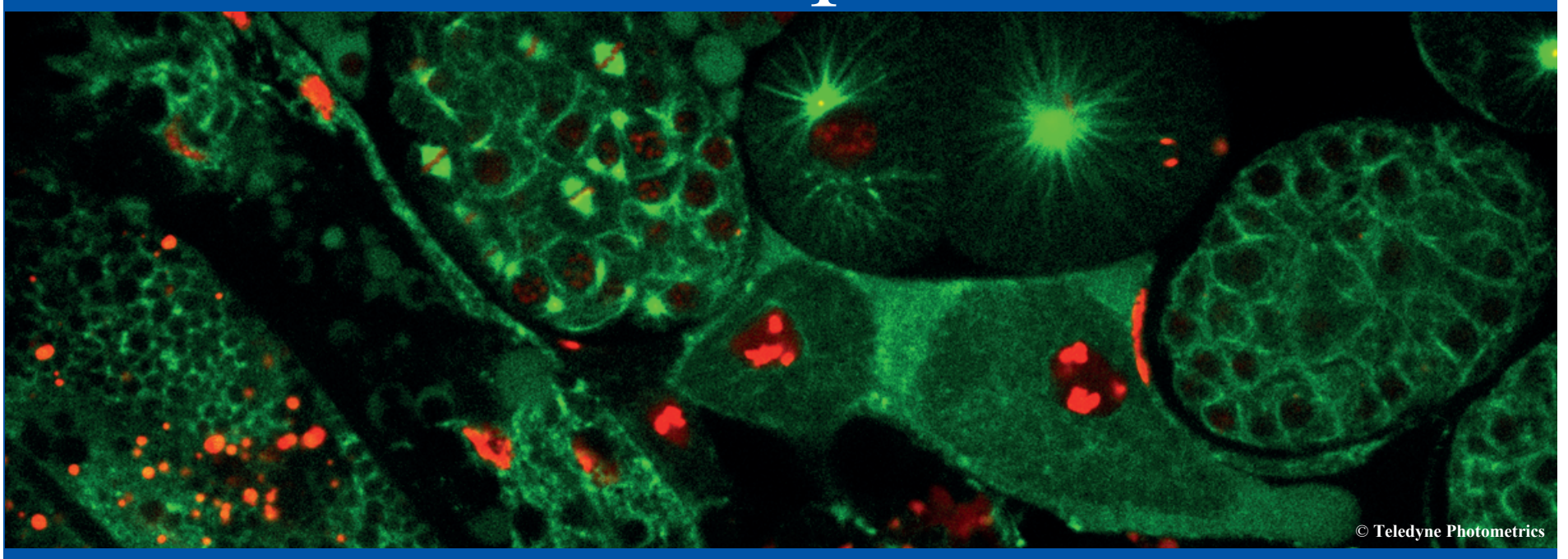
MIAP Workshop Series 2019



Teledyne Photometrics Camera Technology Workshop

Life Imaging Center (LIC)
Center for Biological Systems Analysis (ZBSA)
Habsburgerstr. 49, 79104 Freiburg im Breisgau

May 28th - 29th 2019

For more information and registration:
https://miap.eu - info@miap.eu

The role of the camera as a detector in life science imaging has grown immensely over the last 25 years. As sensor and on-board processing routines increase, it is vital that we understand not only how to push these devices but how to obtain consistent and reliable data from them.Photometrics is a committed educator and has historically given camera courses in cooperation with imaging facilities for advanced users and application specialists from the microscopy and life science field.

Participants of this workshop will LEARN:
- How to use your camera correctly
- The inner workings of scientific camera technology
  (Gain and dynamic range, sensitivity and spectral response, noise and signal to noise)
- Advantages and disadvantages of different camera types
  (CCD/ CMOS and EMCCD architecture and differences)
- The latest advances in camera technology
  (Speed and interfaces, advanced triggering, multichannel splitting devices)

Participants of this workshop will PRACTICE:
- Using the latest camera technology during hands-on sessions
- Control cameras using varied imaging software
- Compare cameras head-to-head to evaluate camera qualities and equipment

Expert: Mathias Pasche-Drews
e-mail: mpasche@photometrics.com