

Welcome to Optopub Webinar!

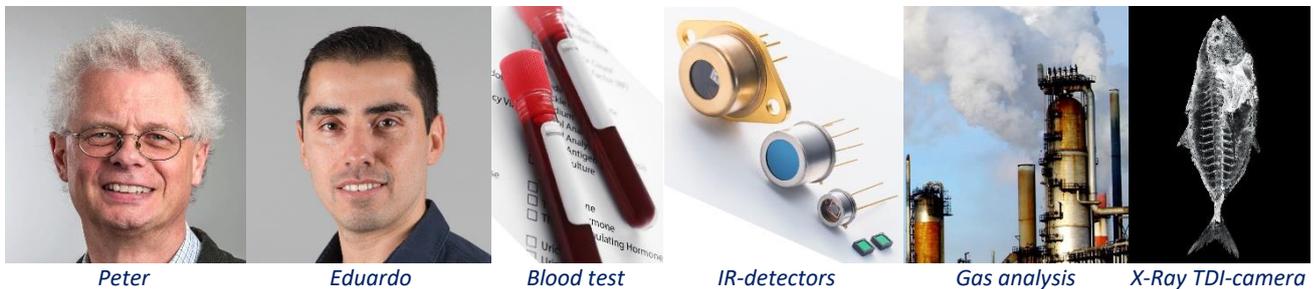
Thursday 17th December 2020, 16.00 – 17.00 (CET)

Zoom-Meeting

HAMAMATSU

PHOTON IS OUR BUSINESS

PhotonicSweden & Hamamatsu Photonics Norden have the pleasure to invite you to an Optopub-Webinar - Free of charge



Accelerating highly sensitive detection of infections: Photons to the rescue.

Peter Seitz, Prof. Dr. peter.seitz@hamamatsu.ch

Senior Technologist Hamamatsu Photonics Europe and Prof. em. Optoelectronics, EPFL, Lausanne, Switzerland

The analysis of blood is one of the pillars of modern medicine. However, blood contains many thousand different analytes varying in concentration by more than 12 orders of magnitude. This challenging measurement task is met today by a combination of chemical transduction and optical detection: Chemical receptors are bound onto a functionalized surface, and optical methods are employed to measure the minute changes in refractive index when analytes bind to receptors. The resulting biosensing techniques are highly sensitive and selective, they are stable and capable of detecting several analytes simultaneously. In addition, some techniques have a time-resolution of better than one second, enabling the quantification of fast chemodynamic effects. Although photonics is the key, modern biosensing requires also excellence in microfluidics, micromechanics, systems engineering and sample/fluid logistics.

A dive into Nordic applications

Eduardo Pérez, B.Sc. eduardo.perez@hamamatsu.se Sales Manager Nordics

We take a look at what is happening on the Nordic market. A selection of applications that are in the loop going forward. What can Hamamatsu provide in regards to solutions and as a partner? Several applications will be in focus, among them: optical gas sensing within industry, X-ray inspection...

Please, register here:

https://doodle.com/poll/zryt5ybyq29i6785w?utm_source=poll&utm_medium=link

A Zoom-invitation will be e-mailed shortly after registration.

Register no later than Wednesday 16th Dec, before 17:00 !



Welcome!

Peter Seitz and Eduardo Pérez (Hamamatsu) & Lennart BM Svensson (PS & SOS)
Optopubs are co-arranged with