

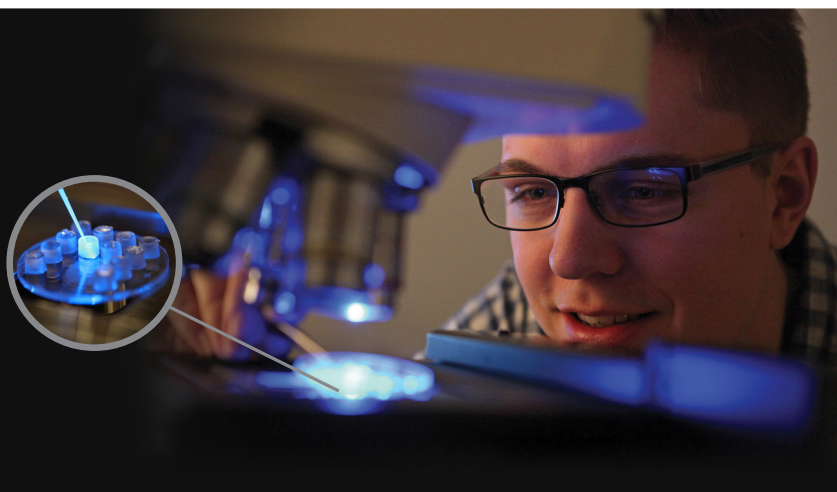


PolyNano Summer School

August 8-26 2016

The PolyNano summer school is arranged jointly by PolyNano, COST MP1205 and Cell-O-Matic. The summer school will give you both theoretical and hands-on training in bioanalytical and optofluidic applications, as well as in industrially relevant fabrication techniques for easier transfer of lab-on-chip systems (LOCs) to the market. At the same time, the PolyNano summer school will give you insight to the process of transforming scientific results into a commercially viable solution. The PolyNano summer school aims at building a common language between researchers with different backgrounds. For this reason, the school is open to students with either engineering and/or bio-chemical backgrounds. Within this framework, the school will provide you with tools to tackle the challenges of communication between different scientific disciplines in true cross-disciplinary research.

The school has three parallel experimental tracks: Electrochemical bioanalysis, optical trapping and DNA nanofluidics.



- **Sign-up deadline 1 May.**
- **Notification of acceptance no later than 11 May.**
- **Payment deadline 22 May.**



Learning objectives:

If you have met the objectives of this course you will be able to:

- Describe and analyse the needs for industrially relevant fabrication of polymer Lab-on-Chip systems from an industrial point of view
- Construct a polymer chip using injection moulding and/or nanoimprint lithography
- Prepare the chip for the bioanalytical, biomechanical and nanofluidic measurements in question
- Make the relevant measurements on the chip
- Evaluate and analyse the experimental results
- Present the results and write a journal manuscript based on the experimental results

Read more here:

www.nanotech.dtu.dk/polynano-summerschool

