Get theoretical and hands-on training in bioanalytical and optofluidic applications. Learn industrially relevant fabrication techniques for easier transfer of lab-on-chip systems (LOCs) to the market. And get insights to the process of transforming scientific results into a commercially viable solution.

The summer school is open to students with either engineering and/or bio-chemical backgrounds because we want to build a common language between researchers with different backgrounds. As a result, you will practice tackling the challenges of communication between different scientific disciplines in true cross-disciplinary research throughout the course.

The school has three parallel experimental tracks to choose from: 1) Electrochemical bioanalysis, 2) optical trapping and 3) DNA nanofluidics.

Read more here: www.nanotech.dtu.dk/polynano-summerschool
What can I do after the course?

• 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

• **Sign-up deadline: 1 May 2018**

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