

This is to certify that

## Mesbah Uddin

successfully completed the course

## HANDS-ON SHORT COURSE ON NGS ANALYSIS - FROM FASTQ TO GENOTYPES

By attending lectures and exercises 12/9-15/9 2016 and handing in a final report.

## Course description:

Students will become acquainted with the essential tools in the processing of whole genome sequence data all the way from raw, unfiltered FASTQ files to finished variant calls. All the intermediate steps will be introduced and at each step the students are familiarized with the required tools in hands-on practicals. Throughout focus is more on application than on the underlying theory.

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