

# INTRODUCTION TO SINGLE-CELL SEQUENCING AND COMPUTATIONAL ANALYSIS – SYMPOSIUM

Location: Online via Zoom  
Date: 25-26, February 2021  
Time: 9:00 – 12:30  
Organizer: Genomics Core Leuven

## Thursday 25<sup>th</sup> of February: Wet-Lab Session

9:00 – 9:30	Welcome and Introduction to Sequencing Technology	Wouter Bossuyt Manager Genomics Core Leuven
9:30 – 10:30	From Sample Preparation to Sequencing: Experimental Design, Library Preparation and Sequencing: 10x and SmartSeq2	Annelien Verfaillie & Kristien Stepanian NGS Experts Genomics Core Leuven
10:30 – 10:45	Virtual Coffee break	
10:45 – 11:30	Genomics and Transcriptomics (G&T) Sequencing	Sarah Geurs and Sebastian Vanuytven, Laboratory of reproductive Genomics, KU Leuven
11:30 – 12:30	Characterizing Molecular and Cellular Heterogeneity by Targeted in Situ Sequencing	Prof. Mats Nilsson Department of Biochemistry and Biophysics, Stockholm University

## Friday 26<sup>th</sup> of February: Single-Cell Data Analysis

9:00 – 9:30	Illumina Single-Cell Sequencing Solution on NextSeq 2000	Anna Babayan, PhD Illumina Sr Marketing Manager EMEA, Cancer Research
9:30 – 10:15	Introduction to Single-Cell Bioinformatics	Álvaro Cortés NGS Bioinformatics Genomics Core Leuven
10:15-10:30	Virtual Coffee break	
10:30 - 11:30	From Raw Read Data to Cell Clustering: Cell Ranger and Seurat	David Carbonez NGS Bioinformatics Genomics Core Leuven
11:30 – 11:40	Final Words	Wouter Bossuyt

### Additional information

This is an online workshop. Registration at [www.genomicscore.be](http://www.genomicscore.be) is required for all participants. The workshop is free of charge. Registered participants will receive a certificate of attendance. For inquiries, please send an email to [singlecell@genomicscore.be](mailto:singlecell@genomicscore.be).