

# INTRODUCTION TO NEXT GENERATION SEQUENCING WORKSHOP 2023 EDITION

Are you a biologist, medical doctor or bio-engineer interested in learning the basic sequencing techniques that will open the door to design your own sequencing experiment? Genomics Core Leuven invites you to an introductory day on the basics of sequencing technology and data analysis.

Location: Auditorium Orchidee, Gasthuisberg Campus, UZ Leuven, Herestraat 49, 3000 Leuven  
Date: Wednesday 25, October 2023  
Time: 9:00 – 17:00

## Program

9:00 – 10:00	Welcome and Introduction to Sequencing Technology	Wouter Bossuyt
10:00 – 11:00	Library Prep Protocols and Sequencing: WGS, RNA-Seq, Targeted Sequencing, Single-Cell	Annelien Verfaillie
11:00 – 11:30	<i>Coffee Break</i>	
11:30 – 12:00	NGS Data Management	Wouter Bossuyt
12:00 – 13:00	<i>Lunch</i>	
13:00 – 13:45	Understanding NGS Raw Data: Fastq Format, Quality Checking	Erika Souche
13:45 – 14:45	Read Mapping and Variant Calling	Luc Dehaspe
14:45 – 15:00	<i>Break</i>	
15:00 – 15:45	NGS Data Visualization on IGV Other NGS Applications: CNVs, Structural Variations	Erika Souche
15:45 – 16:30	RNA-Seq and Introduction to Single-Cell Bioinformatics	Álvaro Cortés Calabuig
16:30 – 17:00	Ask the Team: Everything you Always Wanted to Know About Sequencing (But Never Dared to Ask)	Genomics Core Team

Registration at [www.genomicscore.be](http://www.genomicscore.be) is required for all participants. The workshop has a cost of 30 euros, to be paid upon registration (non-refundable). Coffee and sandwiches will be offered. For inquiries, please send an email to [info@genomicscore.be](mailto:info@genomicscore.be).

Scan the QR code to access our webpage.

