

# INTRODUCTION TO NEXT GENERATION SEQUENCING WORKSHOP

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

Location: **Hergé room, Gasthuisberg Campus, UZ Leuven, Herestraat 49, 3000 Leuven**  
Date: Wednesday 16, November 2022  
Time: 9:00 – 16:30  
Organizer: Genomics Core Leuven

<b>9:00 – 10:00</b>	Welcome and Introduction to Sequencing Technology	Wouter Bossuyt
<b>10:00 – 10:30</b>	<i>Coffee Break and Networking</i>	
<b>10:30 – 11:30</b>	Library Prep Protocols and Sequencing: WGS, RNA-Seq, Targeted Sequencing, Single-Cell	Annelien Verfaillie
<b>11:30 – 12:00</b>	NGS Data Management	Karel De Schepper
<b>12:00 – 13:00</b>	<i>Lunch</i>	Room ON4 04.61
<b>13:00 – 13:15</b>	Why NGS Bioinformatics?	Alvaro Cortés
<b>13:15 – 14:00</b>	Understanding NGS Raw Data: Fastq Format, Quality Checking	Erika Souche
<b>14:00 – 15:00</b>	Read Mapping and Variant Calling	Luc Dehaspe
<b>15:00 – 15:15</b>	<i>Break</i>	
<b>15:15 – 15:45</b>	NGS Data Visualization on IGV	Erika Souche
<b>15:45 – 16:15</b>	Other NGS Applications: CNVs, Structural Variations, RNA-Seq	Erika Souche, Alvaro Cortés
<b>16:15 – 16:30</b>	Ask the Team: Everything You Ever Wanted to Know About Sequencing	Genomics Core Team

**Additional information:** Registration at [www.genomicscore.be](http://www.genomicscore.be) is required for all participants. The workshop has a cost of 20 euros, to be paid upon registration (non-refundable). At lunch sandwiches will be offered. For inquiries, please send an email to [info@genomicscore.be](mailto:info@genomicscore.be).