

Course

# NGS-DNASeq for WGS, WES and de novo Genome Sequencing

January 27-29, 2020

Institut Pasteur de Tunis (IPT)

January 27 <sup>th</sup> , 2020 (Computer Room, Research and Training Building)		
	Session Introduction to NGS Technologies and File Formats	Speakers
9:00-10:15	Introduction to NGS Technologies	Fatma Guerfali, IPT Kais Ghedira, IPT Oussama Souiai, IPT
10:15-10:45 Coffee break		
10:45-12:00	Library Preparation & Quality Control	Fatma Guerfali, IPT Kais Ghedira, IPT Oussama Souiai, IPT
12:00-13:30 Lunch		
13:30-14:45	NGS-DNASeq File Formats	Fatma Guerfali, IPT Kais Ghedira, IPT Oussama Souiai, IPT
14:45-15:15 Coffee break		
15:15-16:30	Manipulating NGS-DNASeq File Formats	Fatma Guerfali, IPT Kais Ghedira, IPT Oussama Souiai, IPT

January 28 <sup>th</sup> , 2020 (Computer Room, Research and Training Building)		
	Session Working on a WGS subset	Speakers
9:00-10:15	Working on a small WGS dataset: Data QC	Kais Ghedira, IPT Fatma Guerfali, IPT

		Oussama Souiai, IPT
<b>10:15-10:45 Coffee break</b>		
<b>10:45-12:00</b>	Working on a small WGS dataset: Alignment	Kais Ghedira, IPT Fatma Guerfali, IPT Oussama Souiai, IPT
<b>12:00-13:30 Lunch</b>		
<b>13:30-14:45</b>	Working on a small WGS dataset: Variant Calling	Kais Ghedira, IPT Fatma Guerfali, IPT Oussama Souiai, IPT
<b>14:45-15:15 Coffee break</b>		
<b>15:15-16:30</b>	Working on a small WGS dataset: Analyzing Variants	Kais Ghedira, IPT Fatma Guerfali, IPT Oussama Souiai, IPT

<b>January 29<sup>th</sup>, 2020</b> <b>(Computer Room, Research and Training Building)</b>		
	<b>Session</b> <b>Working on WES/<i>de novo</i> data</b>	<b>Speakers</b>
<b>9:00-10:15</b>	How to work with WES data	Oussama Souiai, IPT Kais Ghedira, IPT Fatma Guerfali, IPT
<b>10:15-10:45 Coffee break</b>		
<b>10:45-12:00</b>	How to work with WES data	Oussama Souiai, IPT Kais Ghedira, IPT Fatma Guerfali, IPT
<b>12:00-13:30 Lunch</b>		
<b>13:30-14:45</b>	How to work with <i>de novo</i> data	Kais Ghedira, IPT Fatma Guerfali, IPT Oussama Souiai, IPT
<b>14:45-15:15 Coffee break</b>		
<b>15:15-16:30</b>	How to work with <i>de novo</i> data	Kais Ghedira, IPT Fatma Guerfali, IPT Oussama Souiai, IPT