



UNIVERSITÀ  
di VERONA

SCUOLA DI SPECIALIZZAZIONE IN  
MICROBIOLOGIA E VIROLOGIA

Anno Accademico 2020/2021 (2021/2022 istituzionale)

**Calendario lezioni**

**COURSE= MOLECULAR BIOLOGICAL TOOLS FOR MEDICINE: TOWARDS “MULTI-OMICS AGE” (BIO-11)**

**Docente:** Alessandra Ruggiero – RTDA – BIO-11

**Ammontore ore= 24**

**LEZIONI = 12 DA 2 ORE CIASCUNA**

**AULA= Auletta Istituti Biologici e ZOOM- LE LEZIONI VERRANO ANCHE REGISTRATE E CARICATE SU APPOSITA PIATTAFORMA**

**PRIMA LEZIONE= 4/5**

**ULTIMA LEZIONE = 17/6**

**CALENDARIO E ARGOMENTI**

<b>LESSONS (English)</b>	<b>DATA</b>
1) Recombinant DNA Technology	4/5---h 14-16
2) Nucleic Acid quantification: from bench-to-bench side	6/5---h 14-16
3) An introduction to 'Multi-OMICs Age'	11/5---h 14-16
4) Single cell analysis of cluster cells analysis?	13/5---h 14-16
5) Advanced Multiparameter Flow Cytometry	17/5---h 14-16
6) DNA sequencing: characterizing the stone	20/5---h 14-16
7) Methylome: waking up the sleeping beauty	25/5---h 14-16
8) RNA transcriptomics: looking into cell machinery	27/5---h 14-16
9) Microbiome and Virome: the good, the bad and the ugly (I)	6/6---h 14-16
10) Microbiome and Virome: the good, the bad and the ugly (II)	10/6---h 14-16
11) Proteomics: when it all ends...or begins?	15/6---h 14-16
12) Data Integration: using the bricks to build 'the house'	17/6---h 14-16