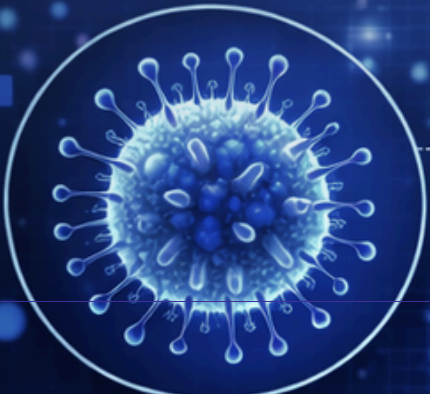
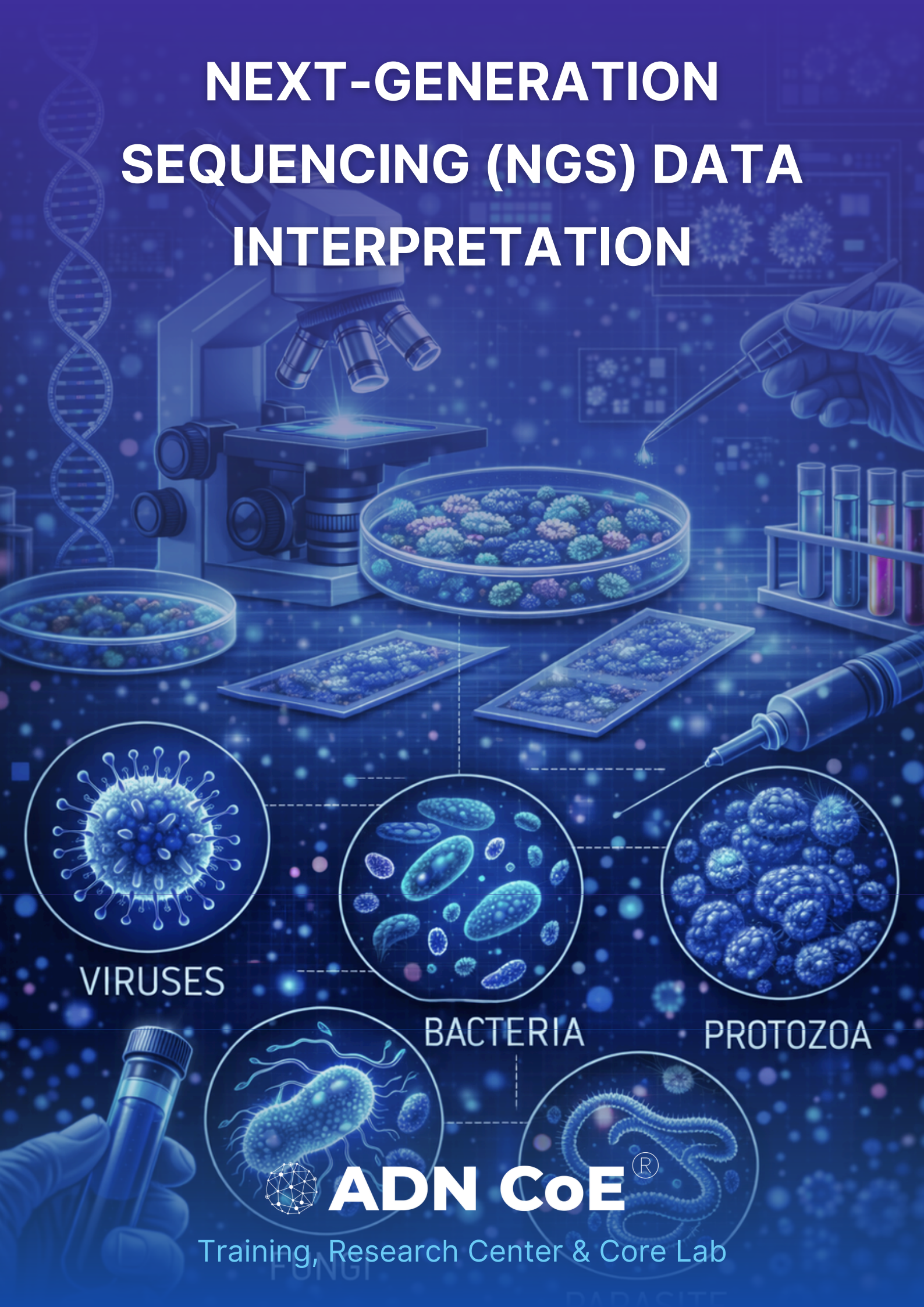
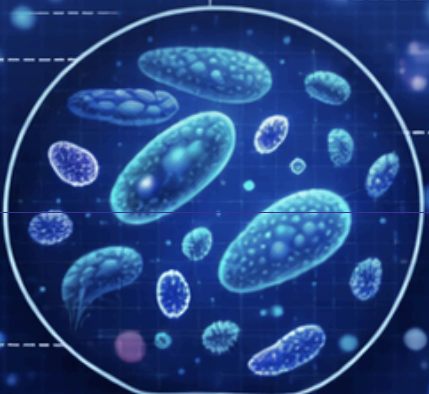


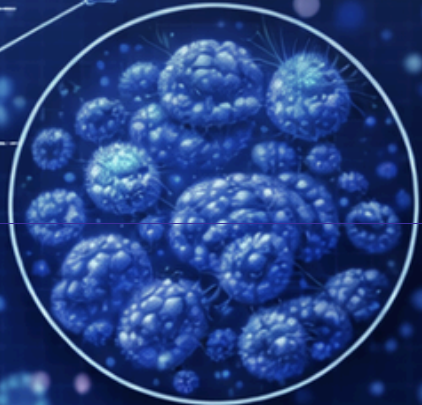
NEXT-GENERATION SEQUENCING (NGS) DATA INTERPRETATION



VIRUSES



BACTERIA



PROTOZOA



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Training, Research Center & Core Lab

INFORMATION BOOKLET

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Company Name	ADN CoE EGITIM DANISMANLIK VE ORGANIZASON LIMITED SIRKETI
Adress	İnkılap Mahallesi Dr. Adnan Büyükdeniz Caddesi No:13, A Blok, K:3/7 34768 Ümraniye, İstanbul / Türkiye
Telephone	+90 530 035 96 39
E-mail	trainings@adncoe.com
Website	www.adncoe.com
VAT Number	0081750793 Alemdağ Tax Office



DAY 1

Foundations of Next-Generation Sequencing & Data Analysis

Time	Session	Format
09:00 – 09:30	Registration & Welcome Coffee	Opening Remarks
09:30 – 10:00	Principles of Next-Generation Sequencing in Clinical Diagnostics	Lecture
10:00 – 11:00	Overview of NGS Platforms & Sequencing Technologies	Lecture
11:00 – 11:15	Coffee Break	Networking
11:15 – 12:30	Bioinformatics Fundamentals for NGS Data Processing	Case-Based Discussion
13:00 – 14:00	Lunch Break	Networking
13:30 – 14:45	Sequence Alignment, Variant Calling & Data Quality Assessment	Clinical Strategy Session
14:45 – 15:00	Coffee Break	Networking
15:00 – 16:00	Step-by-Step Workflow for NGS Data Interpretation	Practical Workshop
16:00 – 16:30	Identification of Variants & Clinical Relevance	Technical Session
16:30 – 17:00	Day 1 Wrap-Up & Open Q&A	Wrap-Up

DAY 2

Advanced Genomic Interpretation & Clinical Applications

Time	Session	Format
09:00 – 09:30	Morning Coffee & Day 1 Recap	Lecture
09:30 – 10:45	Interpretation of Genomic Variants in Infectious Diseases & Oncology	Case-Based Lecture
10:45 – 11:00	Coffee Break	Networking
11:00 – 12:15	High-Fidelity Simulation of NGS-Based Diagnostic Workflows	High-Fidelity Simulation
12:15 – 13:15	Lunch Break	Networking
13:15 – 14:15	Integration of NGS Data with Clinical & Laboratory Findings	Multidisciplinary Simulation
14:00 – 14:15	Coffee Break	Networking
14:15 – 15:30	Recognition of Bioinformatics Pitfalls & Data Interpretation Errors	Advanced Simulation
15:30 – 16:15	Genomic Reporting Standards & Clinical Decision Support	Integrated Workflow Session
16:15 – 16:45	Outcome Optimization & Quality Metrics in NGS Diagnostics	Systems-Based Review
16:45 – 17:00	Closing Remarks & Certificate Distribution	Wrap up

VENUE

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SCAN



İnkılap Mahallesi Dr. Adnan Büyükdeniz
Caddesi No:13, A Blok, K:3 D:7, 34768
Ümraniye, İstanbul / Türkiye

Contact Information: +90 530 035 96 39



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The deadline for hotel booking is 10 days before the course. Unfortunately, ADN CoE cannot guarantee room availability past that deadline. Bookings are made on a first-come, first-served basis. In case of non-availability, we shall do our best to re-accommodate you in a nearby hotel of equal standard.

Useful Information



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Training Location

ADN CoE Training, Research Center & Core Lab

İnkılap Mahallesi Dr. Adnan Büyükdeniz Caddesi No:13, A Blok,
K:3 D:7, 34768 Ümraniye, İstanbul / Türkiye



Contact Information

+90 530 035 96 39



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