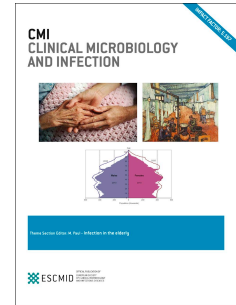


Accepted Manuscript

Practical Issues in Implementing Whole-Genome-Sequencing in Routine Diagnostic Microbiology

John W.A. Rossen, Alexander W. Friedrich, Jacob Moran-Gilad



PII: S1198-743X(17)30630-4

DOI: [10.1016/j.cmi.2017.11.001](https://doi.org/10.1016/j.cmi.2017.11.001)

Reference: CMI 1118

To appear in: *Clinical Microbiology and Infection*

Received Date: 2 July 2017

Revised Date: 30 October 2017

Accepted Date: 1 November 2017

Please cite this article as: Rossen JWA, Friedrich AW, Moran-Gilad J, ESCMID Study Group for Genomic and Molecular Diagnostics (ESGMD), Practical Issues in Implementing Whole-Genome-Sequencing in Routine Diagnostic Microbiology, *Clinical Microbiology and Infection* (2017), doi: 10.1016/j.cmi.2017.11.001.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

[Thematic series – Review - CLM-17-12156R2]

Practical Issues in Implementing Whole-Genome-Sequencing in Routine Diagnostic Microbiology

John W.A. Rossen^{1,2*}, Alexander W. Friedrich¹ and Jacob Moran-Gilad²⁻⁴ for the ESCMID Study Group for Genomic and Molecular Diagnostics (ESGMD)

¹ University of Groningen, University Medical Center Groningen, Department of Medical Microbiology, Groningen, The Netherlands

² European Society for Clinical Microbiology and Infectious Diseases (ESCMID) Study Group for Genomic and Molecular Diagnostics (ESGMD), Basel, Switzerland

³ Dept. of Health Systems Management, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel

⁴ Public Health Services, Ministry of Health, Jerusalem, Israel

* Corresponding author

Dr. John WA Rossen

EB80 Hanzeplein 1. 9713 GZ Groningen

The Netherlands

+31 50 361 3480

j.w.a.rossen@rug.nl

Running title: WGS in the clinical micro-lab

Key words: next generation sequencing, whole genome sequencing, molecular diagnostics, clinical microbiology, bacterial typing, quality control, antimicrobial resistance

Download English Version:

<https://daneshyari.com/en/article/8744842>

Download Persian Version:

<https://daneshyari.com/article/8744842>

[Daneshyari.com](https://daneshyari.com)