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### CIFAL Newcastle - PRIDA Diagnostic Medical Microbiology Postgraduate Diploma

#### People

Deadline: 31 Jan 2023

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Type:	Workshop
Location:	Web-based
Date:	6 Mar 2023 to 25 Sep 2023
Duration:	27 Weeks
Programme Area:	Decentralize Cooperation Programme
Website:	<a href="https://pridanetwork.org/our-blog/">https://pridanetwork.org/our-blog/</a>
Price:	\$0.00
Event Focal Point Email:	UNITAR-CIFAL@newcastle.edu.au
Partnership:	Pacific Region Infectious Diseases Association, University of Papua New Guinea, Fiji National University, The University of Newcastle

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## BACKGROUND

Diagnostic microbiology underpins correct diagnosis and treatment of serious infection. LMIC medical professionals have little opportunity to develop skills and knowledge related to the correct use of the laboratory and this course aims to fill

that gap.

## EVENT OBJECTIVES

A comprehensive course in diagnostic microbiology theory and practice.

## LEARNING OBJECTIVES

On successful completion of the course students will be able to:

1. Articulate the key introductory theoretical and foundational elements of medical microbiology;
2. Understand advanced microbiology topics;
3. Identify and implement correct laboratory use;
4. Identify and discuss complex cases and issues;

## CONTENT AND STRUCTURE

The first semester focuses on foundation-level content and semester 2 addresses more advanced topics.

Introductory topics will include:

- Classification of microbes, pathogenesis, host defenses, immunocompromised states
- Microscopy procedures, pre-analytical issues, diagnostic stewardship
- Basic culture media and biochemical tests
- Gram-positive and negative bacterial identification
- Laboratory safety & Infection prevention & control

For a full list of topics please refer to the course outline.

## METHODOLOGY

This course is a minimum of 4 hours per week for 27 weeks and assessment items specific to the content. Assessable items include discussions, group presentations and assessments.

## TARGETED AUDIENCE

The target audience includes:

- Postgraduate medical registrars/residents from LMIC settings
- LMIC pathologists or physicians who wish to update their diagnostic microbiology and infectious diseases knowledge
- Other interested health care professionals

## ADDITIONAL INFORMATION

Participants successfully completing the course will receive a UNITAR Certificate of Completion.