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## **Development of immunodiagnostic tests for leprosy: from biomarker discovery to application in endemic areas**

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**List of abbreviations**  
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## List of abbreviations

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| AIDS                   | acquired immunodeficiency syndrome                                                      |
| αPGL-I                 | anti-PGL-I                                                                              |
| ApoA1                  | Apolipoprotein A1                                                                       |
| BB                     | Mid-borderline leprosy                                                                  |
| BCG                    | Bacillus Calmette-Guerin                                                                |
| BI                     | Bacteriological index                                                                   |
| BL                     | Borderline lepromatous leprosy                                                          |
| BT                     | Borderline tuberculoid leprosy                                                          |
| CMI                    | Cell-mediated immunity                                                                  |
| CRP                    | C-reactive protein                                                                      |
| ELISA                  | Enzyme-linked immunosorbent assay                                                       |
| FC                     | Flow control                                                                            |
| FSB                    | Fingerstick blood                                                                       |
| HDL                    | High density lipoprotein                                                                |
| HIV                    | Human immunodeficiency virus                                                            |
| IFN-γ                  | Interferon gamma                                                                        |
| IgM                    | Immunoglobulin M                                                                        |
| IGRA                   | Interferon gamma release assay                                                          |
| IL-1β                  | Interleukin 1 Beta                                                                      |
| IL-1Ra                 | Interleukin 1 receptor antagonist                                                       |
| IL-10                  | Interleukin 10                                                                          |
| IL-15                  | Interleukin 15                                                                          |
| IL-17                  | Interleukin 17                                                                          |
| IP-10                  | Interferon gamma-induced protein 10 a.k.a. C-X-C motif<br>chemokine ligand 10 (CXCL10)  |
| LFA                    | Lateral flow assay                                                                      |
| LID-1                  | Leprosy IDRI diagnostic-1                                                               |
| LL                     | Lepromatous leprosy                                                                     |
| MB                     | Multibacillary                                                                          |
| MBT                    | Multi-biomarker test                                                                    |
| MCP-1                  | Monocyte chemoattractant protein 1 a.k.a. C-C Motif<br>Chemokine Ligand 2 (CCL2)        |
| MDT                    | Multidrug therapy                                                                       |
| MIP-1β                 | Macrophage inflammatory protein 1 beta a.k.a.<br>Chemokine (C-C motif) ligands 4 (CCL4) |
| <i>M. leprae</i>       | <i>Mycobacterium leprae</i>                                                             |
| <i>M. lepromatosis</i> | <i>Mycobacterium lepromatosis</i>                                                       |
| <i>M. tuberculosis</i> | <i>Mycobacterium tuberculosis</i>                                                       |

|         |                                             |
|---------|---------------------------------------------|
| NDO-LID | Conjugate of synthetic PGL-I and LID-1      |
| NS      | Nasal swabs                                 |
| PB      | Paucibacillary                              |
| PCR     | Polymerase chain reaction                   |
| PEP     | Post-exposure prophylaxis                   |
| PGL-I   | Phenolic glycolipid-I                       |
| POC     | Point-of-care                               |
| RAGE    | Receptor for advanced glycation endproducts |
| RT-PCR  | Reverse transcriptase PCR                   |
| SDR     | Single dose rifampicin                      |
| SNP     | Single nucleotide polymorphism              |
| SSS     | Slit-skin smears                            |
| S100A12 | S100 calcium-binding protein A12            |
| T-line  | Test line                                   |
| TB      | Tuberculosis                                |
| Th1     | T-helper 1                                  |
| Th2     | T-helper 2                                  |
| Th17    | T-helper 17                                 |
| TLR4    | Toll-like receptor 4                        |
| TST     | Tuberculin skin test                        |
| TT      | Tuberculoid leprosy                         |
| T1R     | Type 1 reaction                             |
| T2R     | Type 2 reaction                             |
| UCP     | Up-converting phosphor                      |
| VEGF    | Vascular endothelial growth factor          |
| VNTR    | Variable number tandem repeat               |
| WBA     | Whole blood assay                           |
| WCS     | Whole cell sonicate                         |
| WHO     | World Health Organization                   |