

Decoding The Neutrophil Urinary Biomarker Message to Identify Respiratory Infection

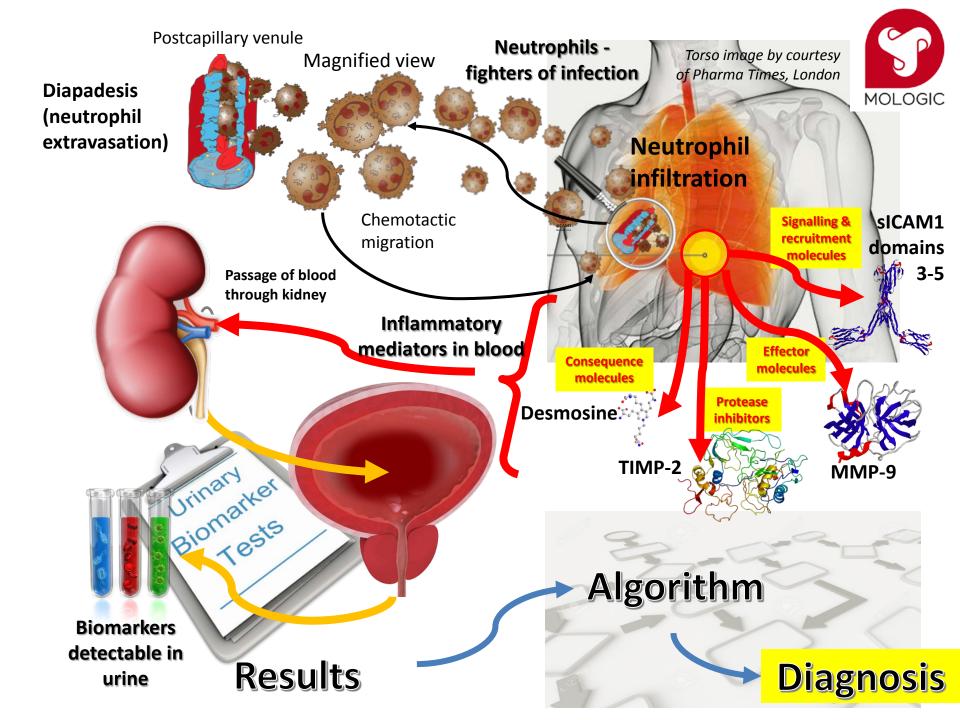
Diagnostic tests to detect infection by reading the innate host response

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Location: Thurleigh, Near Bedford "Where's that?"



Microbial intrusion MOLOGIC The Biomarker The traditional message to be approach de-ciphered INSENSITIVE **AMPLIFICATION** Structural, metabolic & QS TOO SPECIFIC **GENERALISATION** molecules **Innate immune** Direct detection sensing **Ultrasensitive** Cells microbial sensor? signature **Epithelial Phagocytes** pathogen Signal Cells recognition transduction? receptors **High sensitivity** Consequence Signalling **Effector Detection?** molecules molecules molecules **Urinary Proteomics Optimised Multiplex Assays**



Mologic infection tests in development



UTI - triplex



Respiratory infection – COPD &CF



Sepsis – post surgical and general



MOLOGIC



Infection in peritoneal dialysis fluid

Bacterial vaginosis