Chlamydia pneumoniae is a species of Chlamydophila, an obligate intracellular bacterium (parasitic microorganism) that infects humans by invading a host cell to reproduce. It is a known co-infection of Lyme disease and can be transmitted by an infected tick. It is a major cause of pneumonia and can cause a wide variety of illnesses such as fibromyalgia, IBD, MS, Guillain–Barré syndrome, meningoencephalitis, cancer, lupus, arthritis, asthma, myocarditis, and others.

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