Biofilms of Borrelia burgdorferi:

Communities of Borrelia (usually Non-Spiral Borrelia)
Which are enveloped by a self-produced Extracellular
Matrix layer [slime layer] which is produced from
The outer surface protein layer, glycoproteins,
Lipopolysaccharides, and Extracellular DNA: all of these
Elements once resided inside a once living Borrelia
Burgdorferi organism. Death of individual members in
The borrelia burgdorferi biofilm community results
In the release of these constituents from once living
but now Dead microbes.

The image below illustrates the structural relationship
Between the "slime layer" [Extracellular Matrix] and
The Specialized non-spiral living forms of Borrelia
Burgdorferi which are protected INSIDE the surrounding
Extracellular Matrix.

