



3D View: Structure

**frontiers**  
in Molecular Biosciences

ORIGINAL RESEARCH  
published: 11 June 2020  
doi: 10.3389/fmbo.2020.00112



## Structure, Dynamics and Cellular Insight Into Novel Substrates of the *Legionella pneumophila* Type II Secretion System

Theo J. Portlock<sup>1,2</sup>, Jessica Y. Tyson<sup>3</sup>, Sarath C. Dantu<sup>4</sup>, Saima Rehman<sup>1</sup>, Richard C. White<sup>3</sup>, Ian E. McIntire<sup>3</sup>, Lee Sewell<sup>1</sup>, Katherine Richardson<sup>2</sup>, Rosie Shaw<sup>2</sup>, Alessandro Pandini<sup>4</sup>, Nicholas P. Cianciotto<sup>3\*</sup> and James A. Garnett<sup>1,2\*</sup>

<sup>1</sup> Centre for Host-Microbiome Interactions, Dental Institute, King's College London, London, United Kingdom, <sup>2</sup> Department of Chemistry and Biochemistry, School of Biological and Chemical Sciences, Queen Mary University of London, London, United Kingdom, <sup>3</sup> Department of Microbiology and Immunology, Northwestern University Feinberg School of Medicine, Chicago, IL, United States, <sup>4</sup> Department of Computer Science, Brunel University London, Uxbridge, United Kingdom

OPEN ACCESS

# 6XTT

Solution structure of *Legionella pneumophila* NttA

DOI: [10.2210/pdb6XTT/pdb](https://doi.org/10.2210/pdb6XTT/pdb) BMRB: 34480

Classification: UNKNOWN FUNCTION

Organism(s): *Legionella pneumophila*

Expression System: *Escherichia coli* BL21(DE3)

Mutation(s): No

Deposited: 2020-01-16 Released: 2020-07-22

Deposition Author(s): Portlock, T.J., Garnett, J.A.

Funding Organization(s): Engineering and Physical Sciences Research Council

### Experimental Data Snapshot

Method: SOLUTION NMR

Conformers Calculated: 20

Conformers Submitted: 10

Selection Criteria: all calculated structures submitted

### wwPDB Validation

