CLAIMS

1. A recombinant *Mycobacterium bovis* cell from strain Danish subtype Prague, which is a urease-deficient cell and which comprises a recombinant nucleic acid molecule encoding a fusion polypeptide comprising:

(a) a domain from a Mycobacterium polypeptide, which is antigen (Ag) 85B or Ag85A, which is capable of eliciting an immune response, and

(b) a Listeria phagolysosomal escape domain for use *in vivo* as a vaccine for generating a T helper type 17 (Th17) immune response in a subject in need thereof.

2. The cell of claim 1 for the use of claim 1, wherein the domain capable of eliciting an immune response is selected from immunogenic peptides or polypeptides from *M. bovis* or *M. tuberculosis*.

3. The cell of claim 1 or 2 for the use of claim 1 for generating a Th17 immune response in a mammalian, e.g. human subject.

4. The cell of any one of claims 1-3 for the use of claim 1 for generating a Th17 immune response in a Mycobacterium-naïve subject or a subject pre-exposed to Mycobacterium challenge.

5. The cell of any one of claims 1-4 for use *in vivo* in a vaccine against a disorder selected from:

(i) tuberculosis,

(ii) bladder cancer,

(iii) an autoimmune disorder, and

(iv) leprosy.

6. The cell of any one of claims 1-5 for use *in vivo* as a vaccine for generating a Th17 and a Th1 immune response.

7. A recombinant nucleic acid molecule encoding a fusion polypeptide comprising:

(a) a domain from a Mycobacterium polypeptide, which is Ag85B or Ag85A which is capable of eliciting an immune response, and

(b) a Listeria phagolysosomal escape domain for use *in vivo* for generating a Th17 immune response in a subject in need thereof.