



## EMIF Deliverable 6.5: Completion of a report describing the association of up to 6 novel biomarkers emerging from WP5 with the metabolic consequences of obesity

---

### Executive summary

#### Executive Summary

We have investigated the association with the metabolic consequences of obesity for biomarkers emerging from WP5 and WP6's systematic review of the literature. Biomarkers included the branched chain aminoacids, mannose (Cell Metab. 2016;24:172-84) and CCL18. We have generated a report of the association of mannose with type 2 diabetes and other outcomes.

#### Contacts

EMIF-MET: Luca Lotta  
[luca.lotta@mrc-epid.cam.ac.uk](mailto:luca.lotta@mrc-epid.cam.ac.uk)