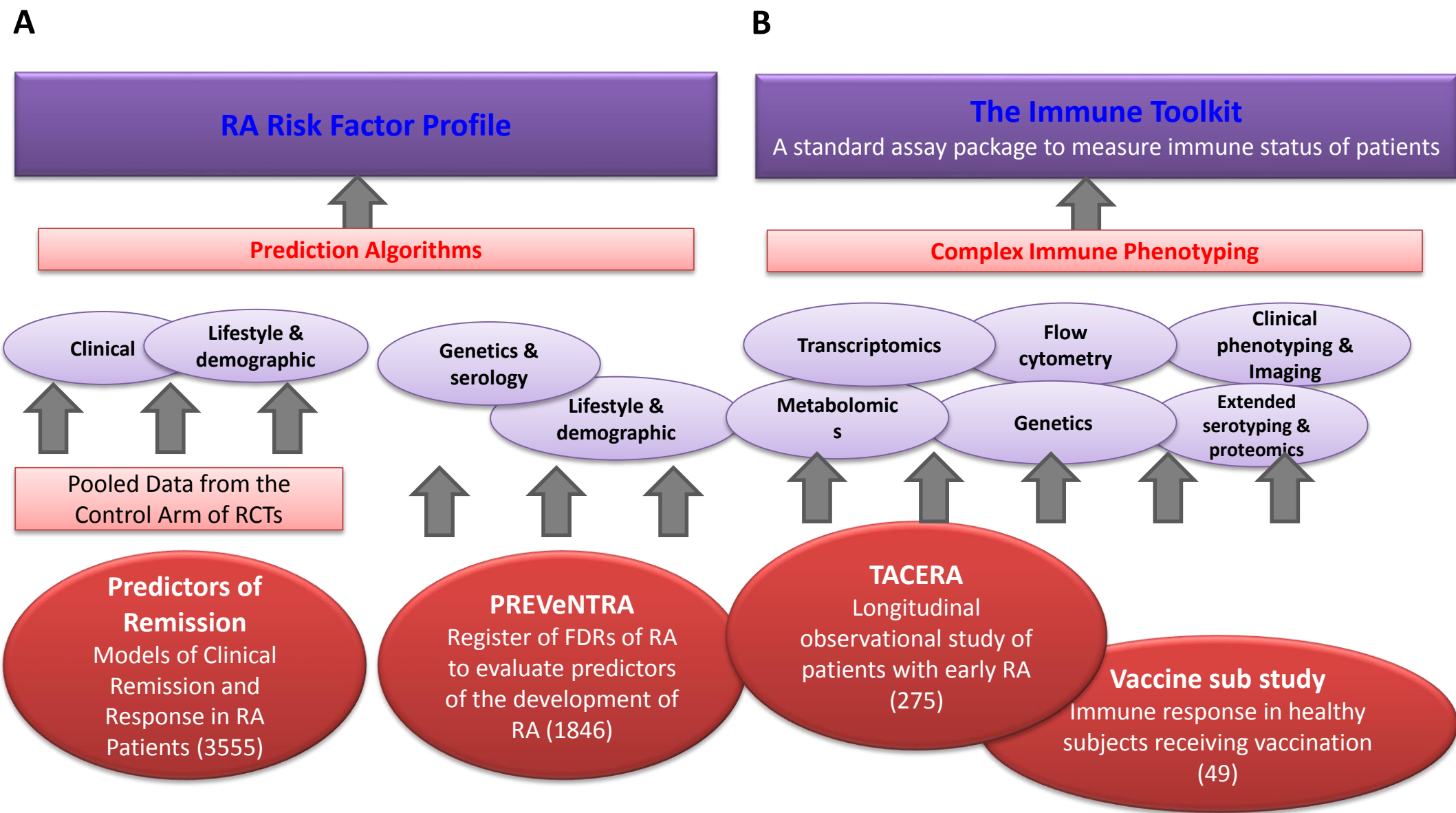
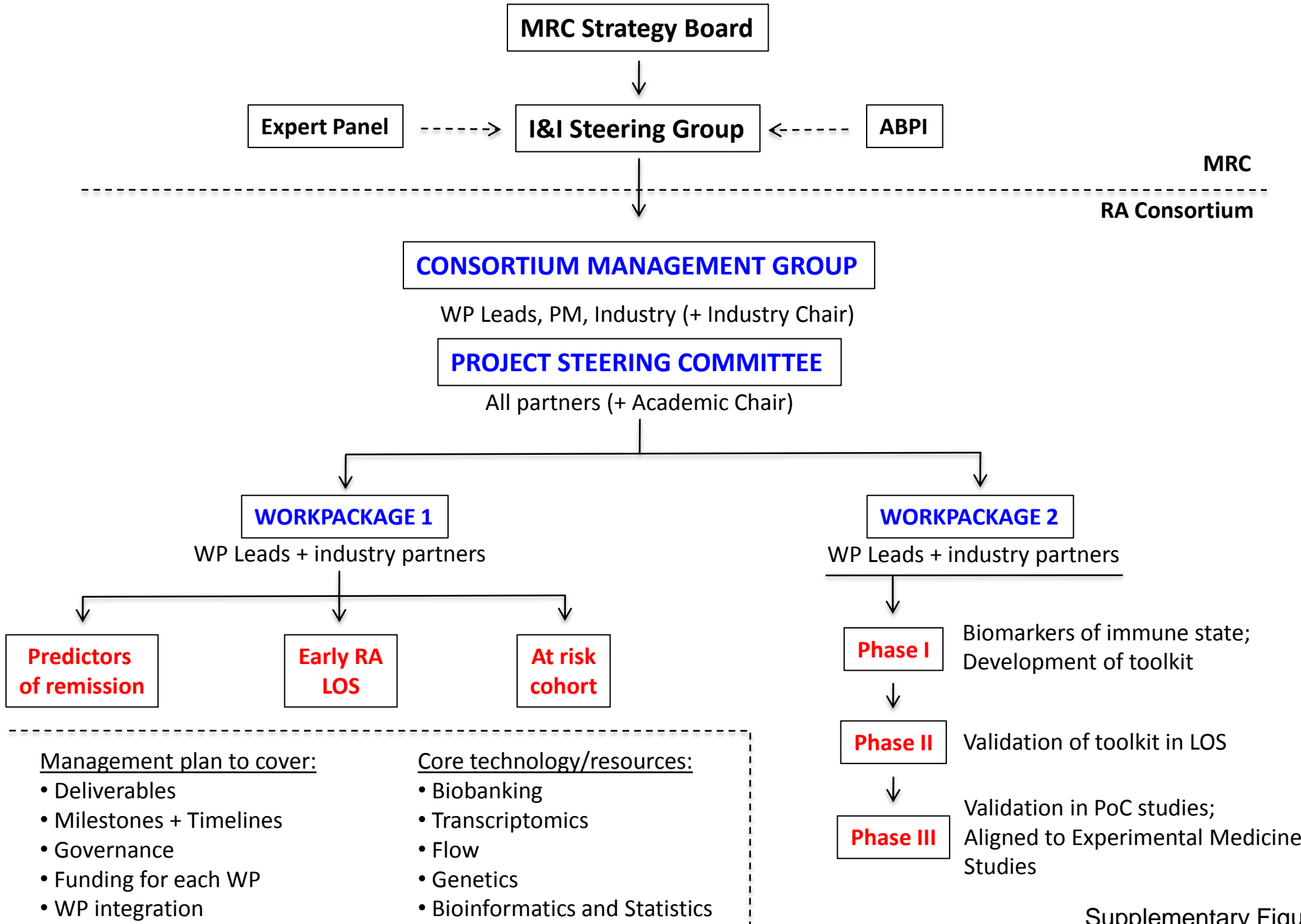


Supplementary Figure S1



Supplementary Figure S2



Supplementary Figure S3

Early RA patients



Blood & urine taken 3 monthly

**Blood**

**Urine**

Gene expression  
(Illumina HT-12)

Whole Blood, PBMC,  
CD4<sup>+</sup>cells, CD8<sup>+</sup>cells,  
CD14<sup>+</sup> cells

Small RNA sequencing  
(Illumina Hiseq 2500)

Whole Blood

Flow cytometry:  
(T cells/B cells/NK cells  
/Treg/Monocyte & DCs  
Total 127 parameters)

PBMC

Proteomics  
(SOMAscan®)

Plasma

Metabolomics  
(NMR)

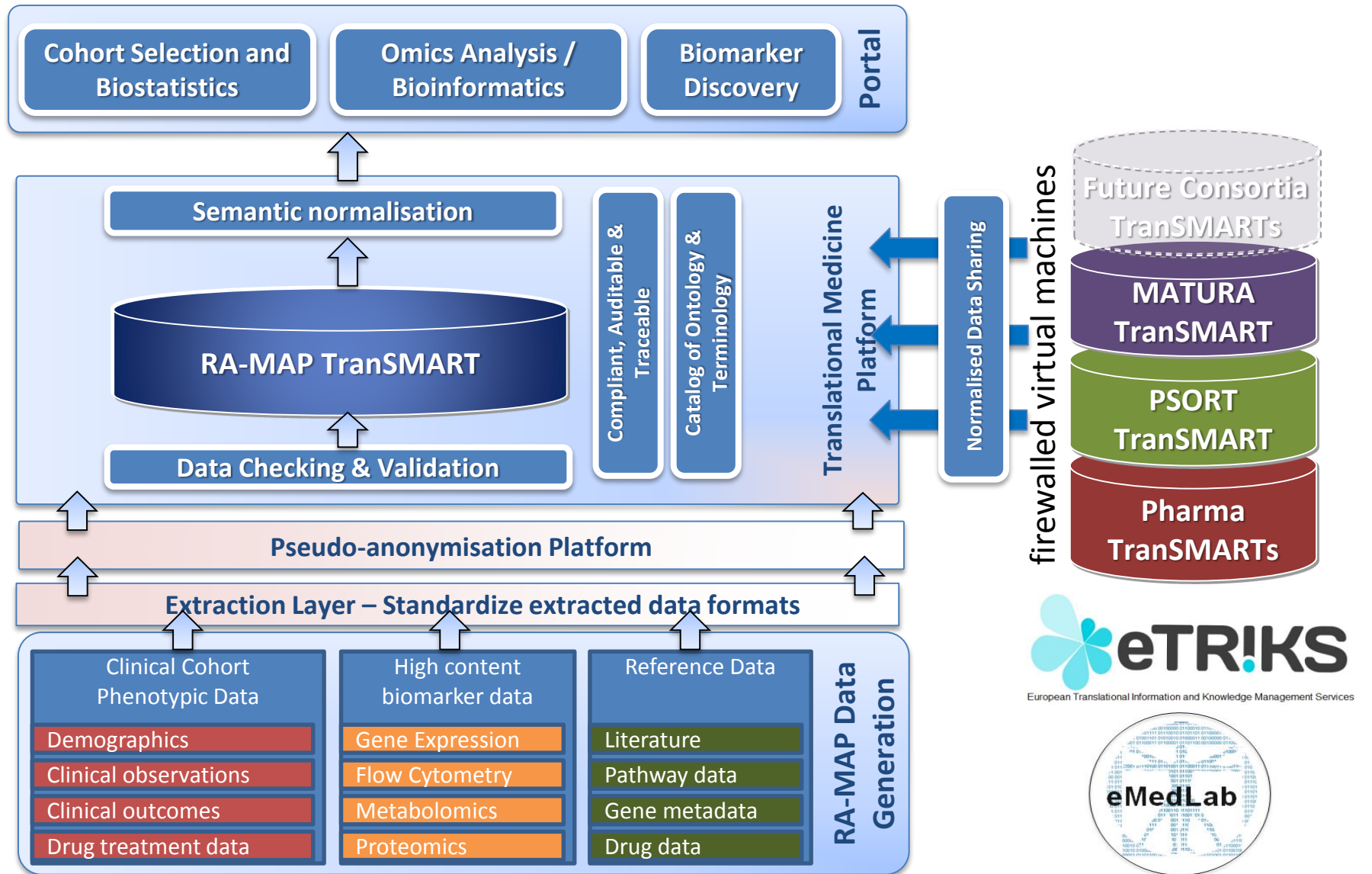
Plasma  
Urine

Autoantibody profiling  
(SeroTag®)

Serum

Genetics  
(Illumina CoreExome array  
Illumina iScan)

Whole Blood



Supplementary Figure S5

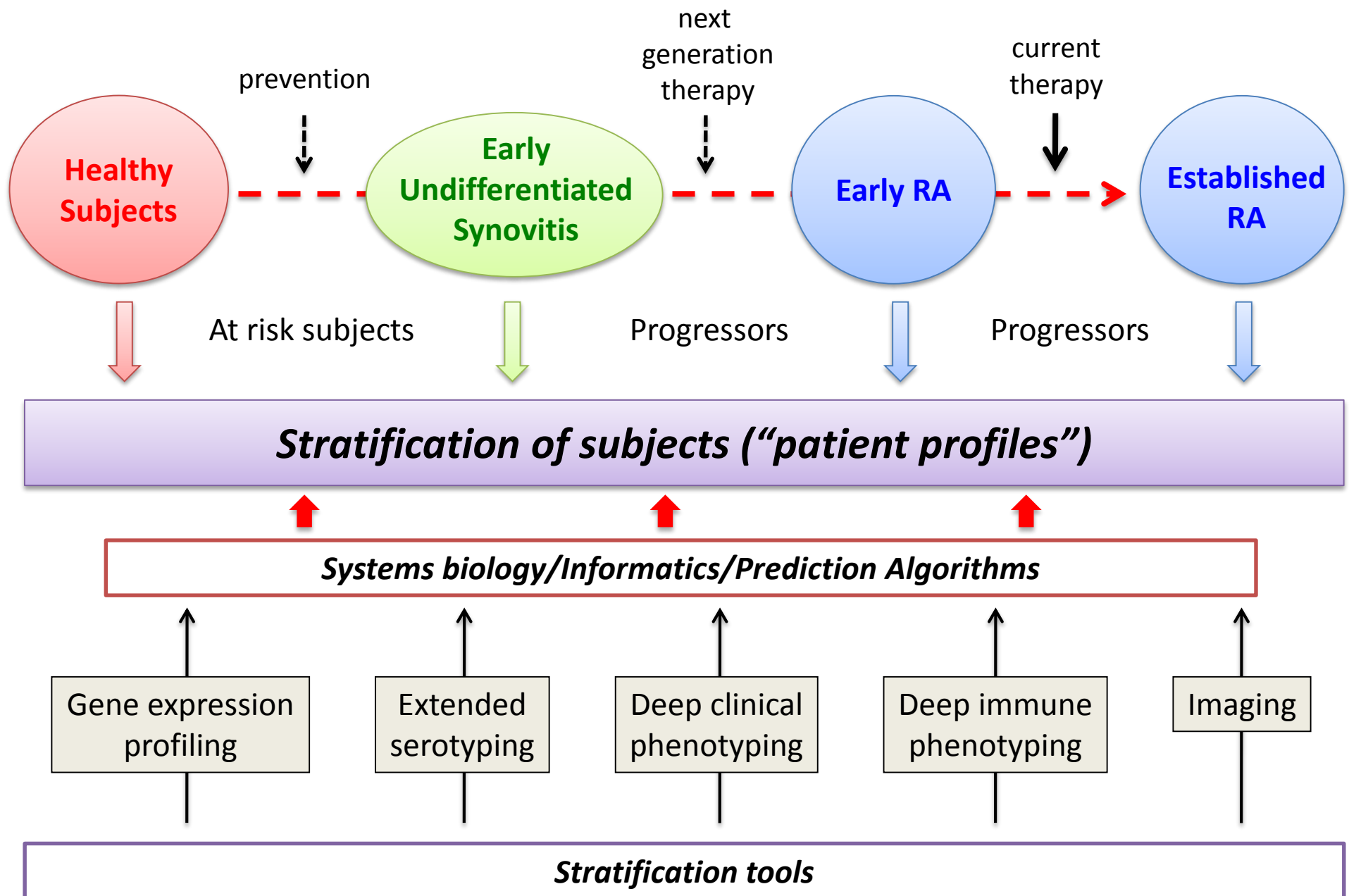


Figure 1