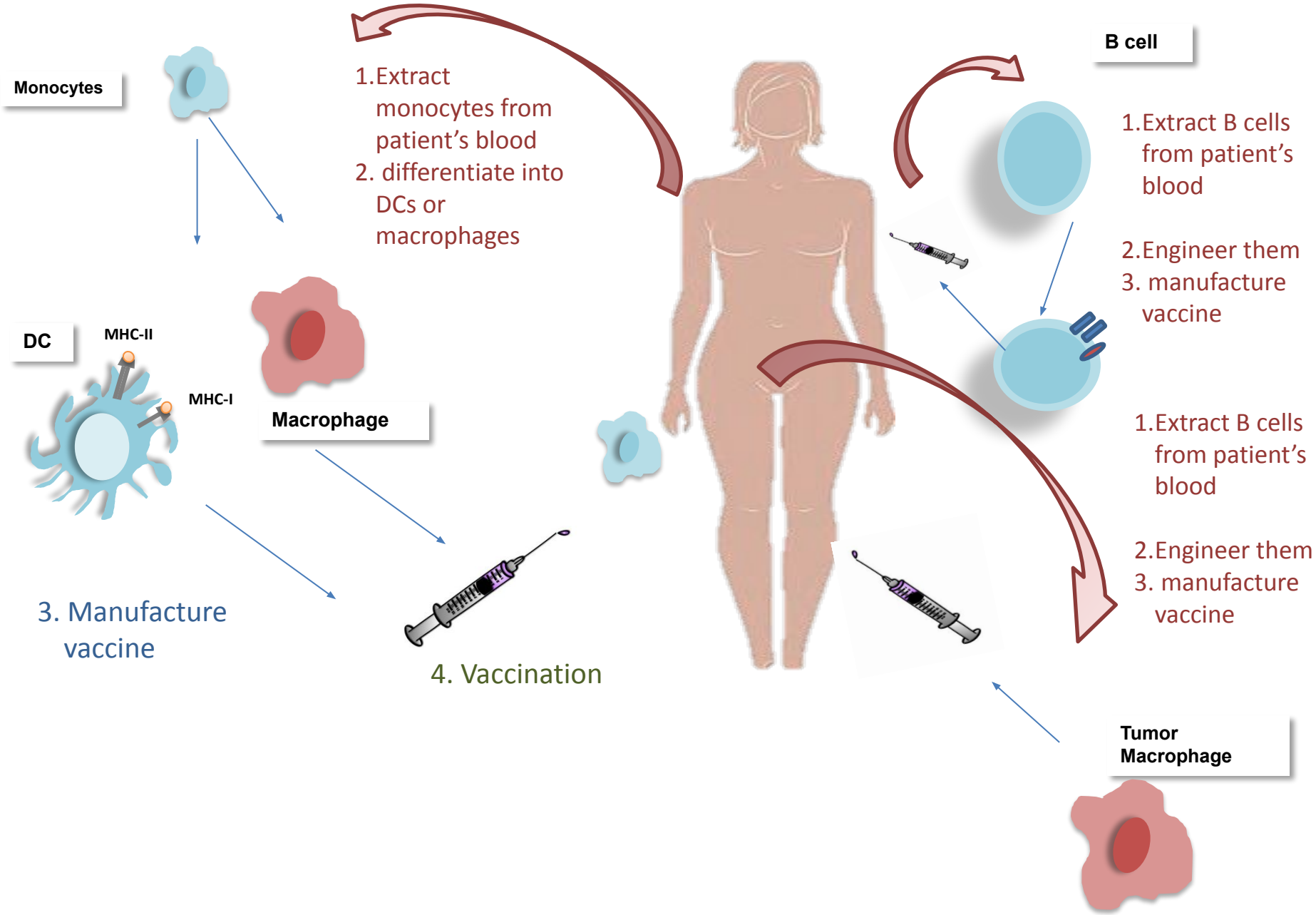
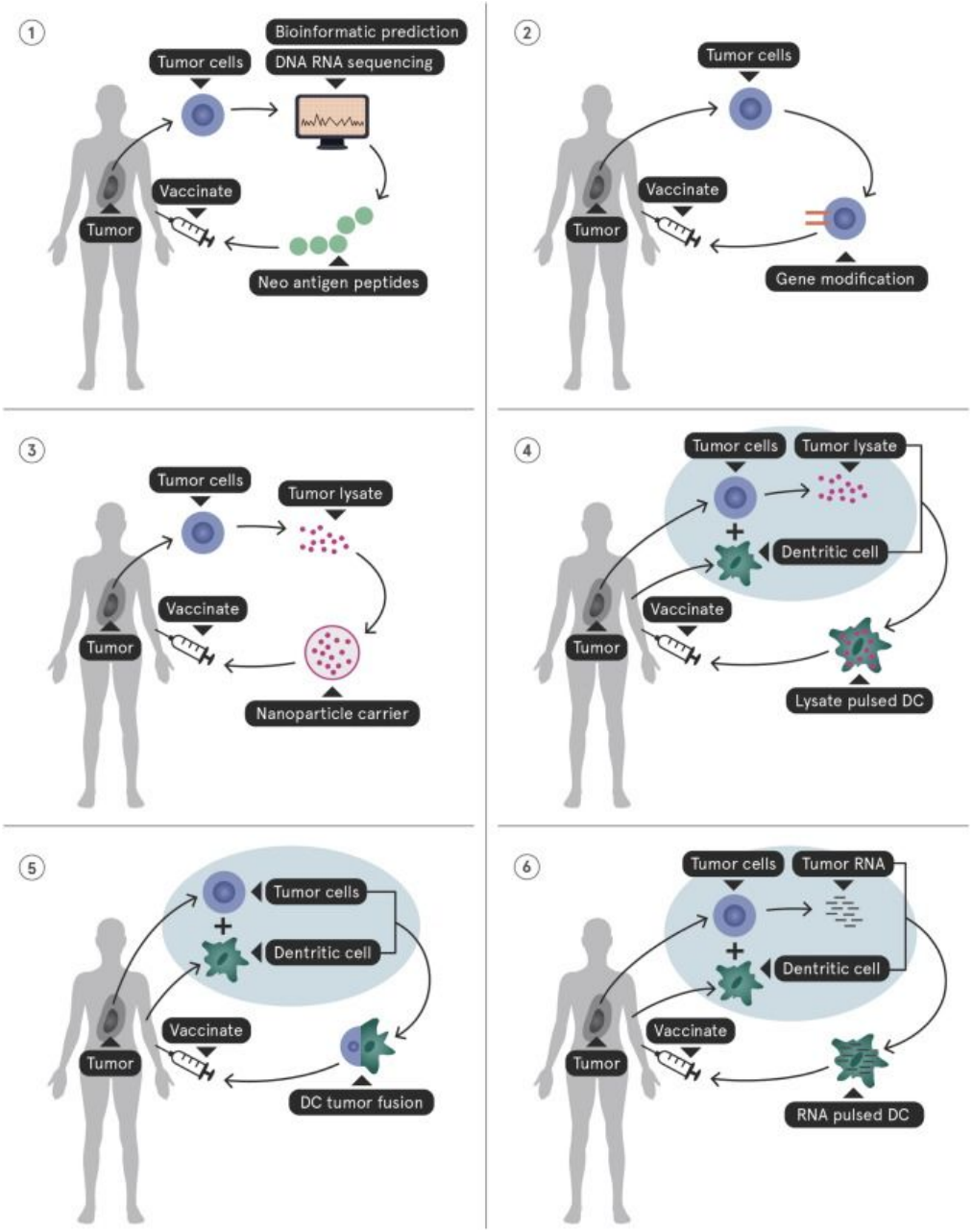

Monocytes
1.Extract monocytes from patient's blood
2. differentiate into DCs or macrophages
B cell
1.Extract B cells from patient's blood
2.Engineer them
3. manufacture vaccine
DC
MHC-II
MHC-I
Macrophage
1.Extract B cells from patient's blood
2.Engineer them
3. manufacture vaccine
3. Manufacture vaccine
4. Vaccination
Tumor Macrophage


1
Bioinformatic prediction
Tumor cells
DNA RNA sequencing
Vaccinate
Tumor
Neo antigen peptides
2
Tumor cells
Vaccinate
Tumor
Gene modification
3
Tumor cells
Tumor lysate
Vaccinate
Tumor
Nanoparticle carrier
4
Tumor cells
Tumor lysate
Dentritic cell
Vaccinate
Tumor
Lysate pulsed DC
5
Tumor cells
Dentritic cell
Vaccinate
Tumor
DC tumor fusion
6
Tumor cells
Tumor RNA
Dentritic cell
Vaccinate
Tumor
RNA pulsed DC