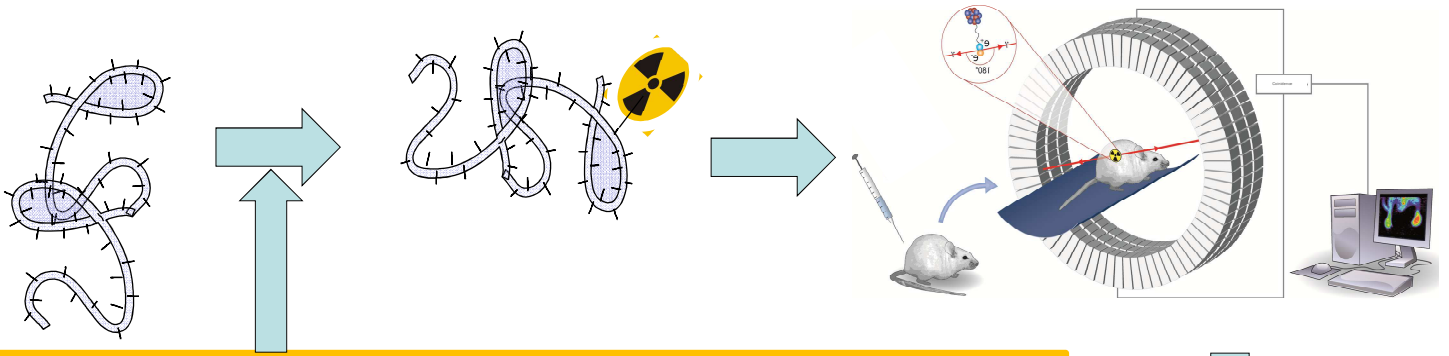
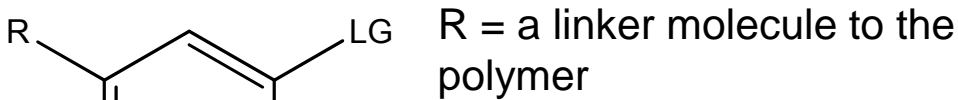




## Labelling for use in PET scanners



### Labelling with $^{18}\text{F}$



LG = a good leaving group for  $\text{S}_{\text{N}}2$  (Br, I,  $\text{NO}_2$ ,  $\text{NME}_3^+$  Otf $^-$ , SiFa)

EWG = an electron withdrawing group (CN,  $\text{NO}_2$ , CHO)

LG  $\rightarrow$   $^{18}\text{F}$  

### Labelling with radiometals

