

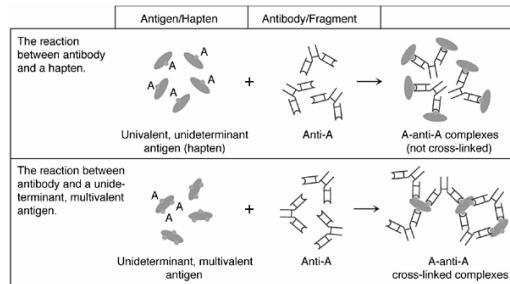
## Utilisation des anticorps *in vitro* principes et techniques

Adrien Six (adrien.six@upmc.fr)

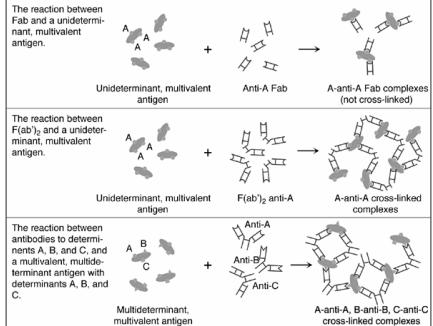
Université Pierre et Marie Curie

octobre 2005

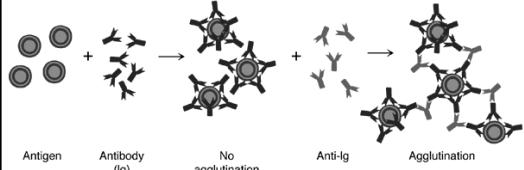
### Réaction antigène/anticorps



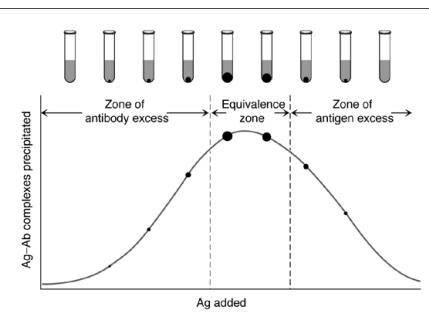
### Réaction antigène/anticorps



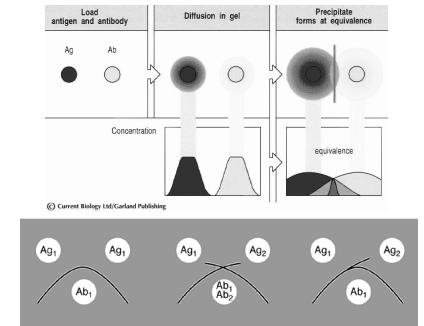
### Réaction d'agglutination

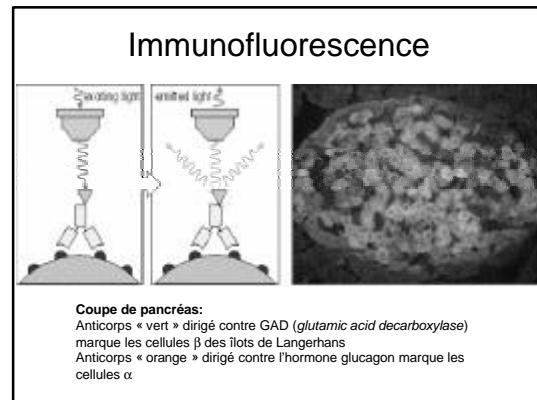
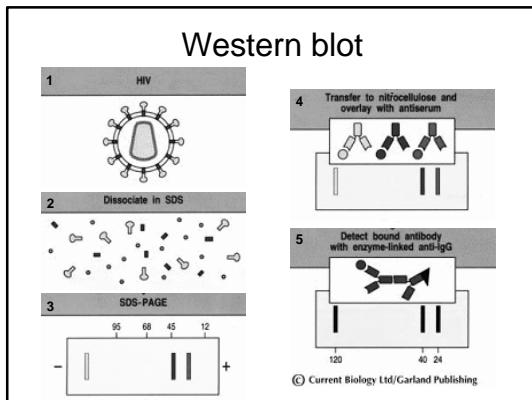
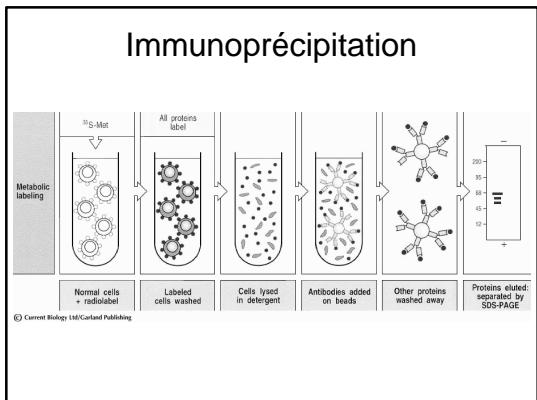
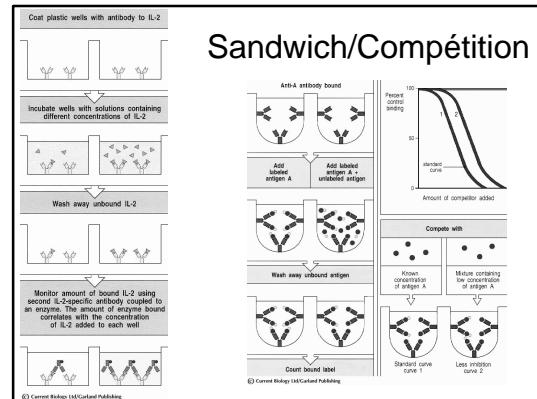
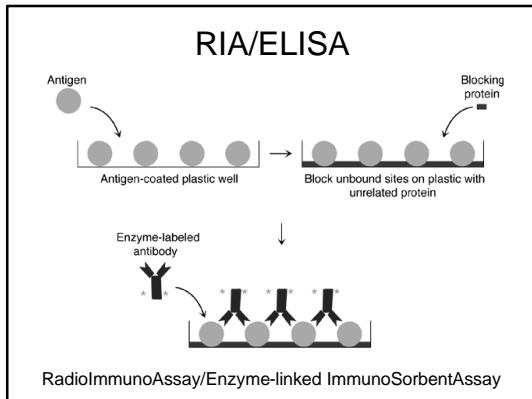
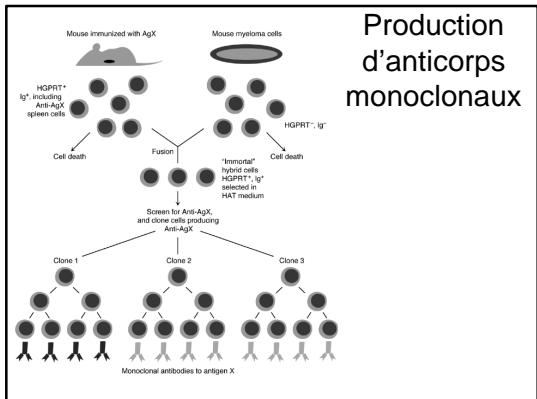


### Précipitation en milieu liquide

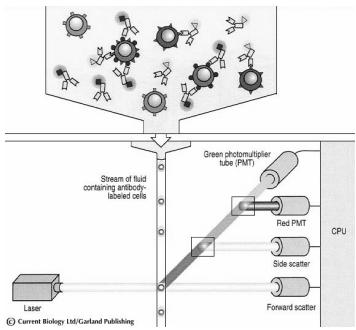


### Précipitation en milieu solide

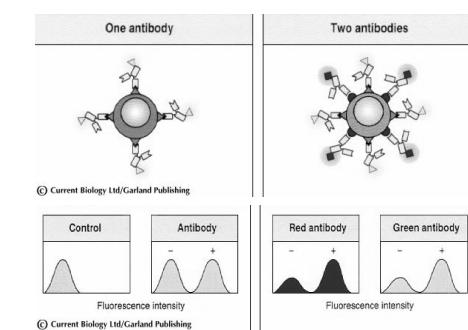




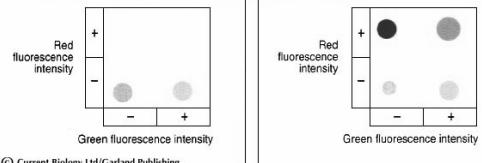
### Cytométrie de flux (1)



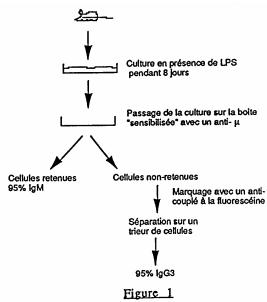
### Cytométrie de flux (2)



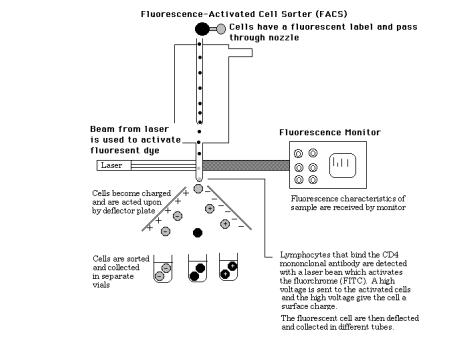
### Cytométrie de flux (3)



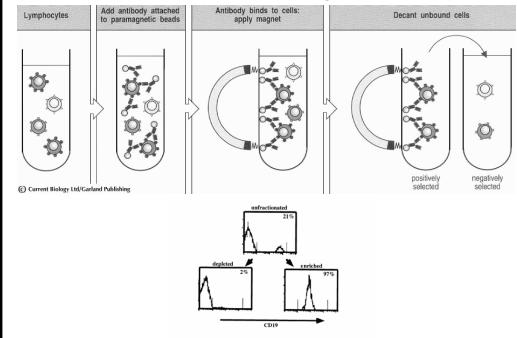
### Tri cellulaire par « panning »



### Tri cellulaire par cytométrie



### Tri cellulaire magnétique

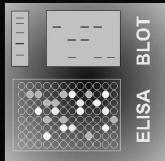


## Cartographie épitopique (1)

### "Classical" epitope mapping

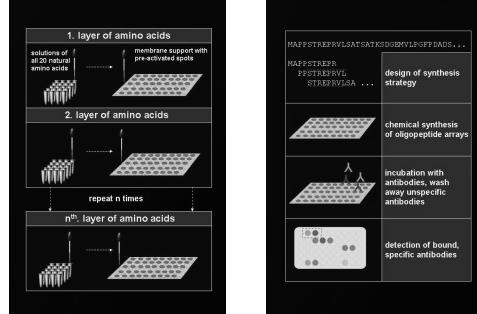
cDNA fragments are expressed as recombinant proteins

Identification of immunoreactive recombinant fragments by ELISA or Western blot

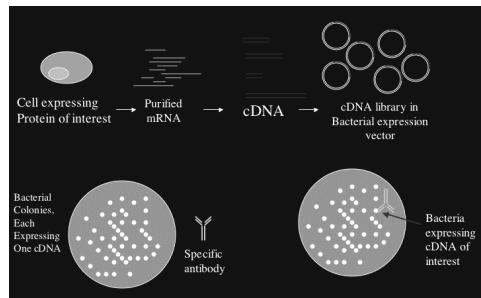


ELISA    BLOTTING

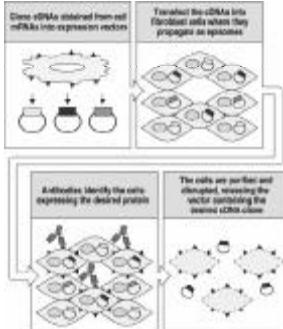
## Cartographie épitopique (2)



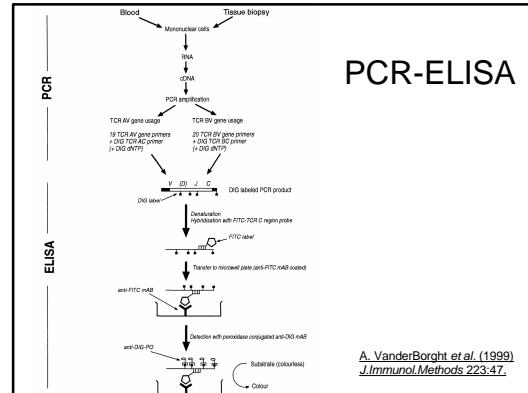
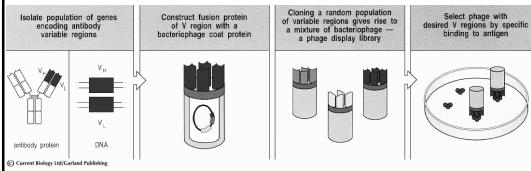
## Clonage et criblage (1)



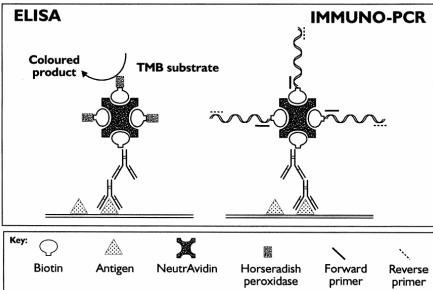
## Clonage et criblage (2)



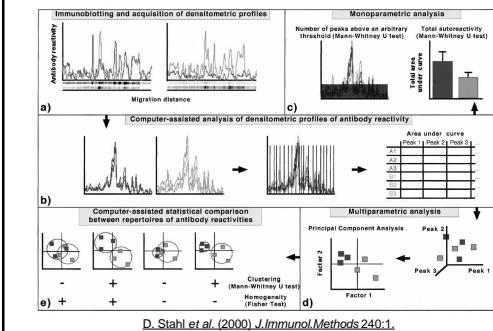
## Clonage et criblage (3)



### Immuno-PCR



### Panama-blot



### Immunoproteomics

Francisco J. Quintana, Peter H. Hagedorn, Gad Elizur, Yifat Merbl, Eytan Domany, and Irun R. Cohen.

Functional immunomics: Microarray analysis of IgG autoantibody repertoires predicts the future response of mice to induced diabetes.

*PNAS* 101:14615-14621, 2004.