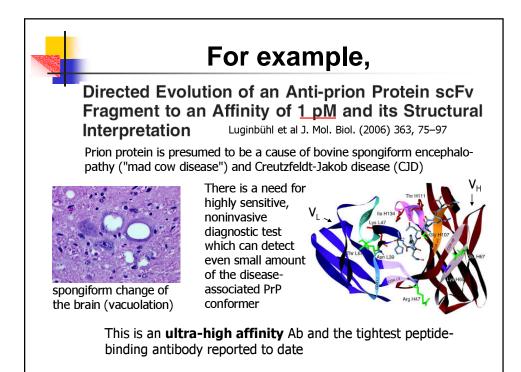
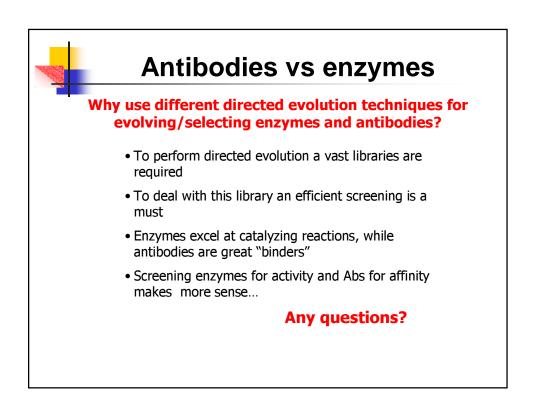
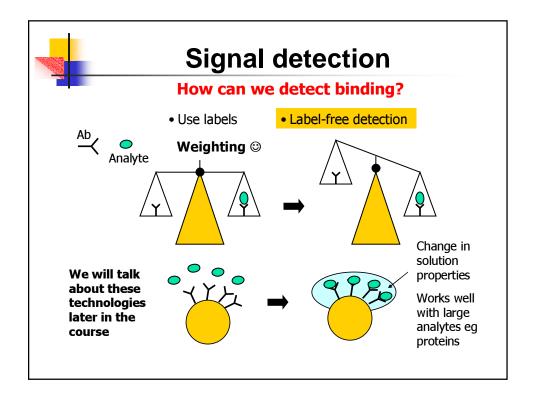
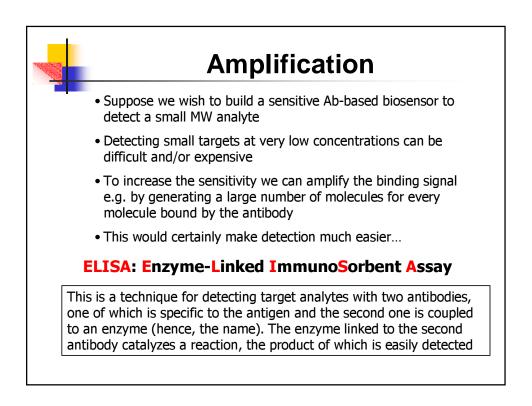


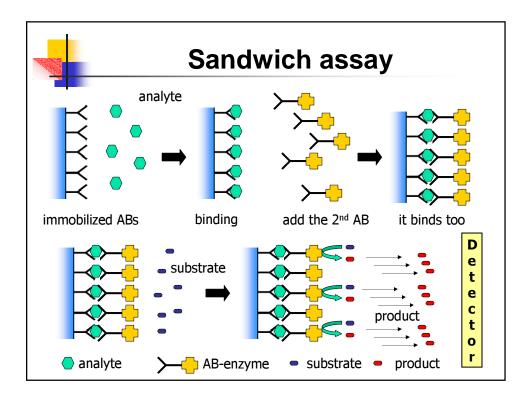
	Typical result
Beta-endorphin:	Consensus sequence
YGGFMTSE	K Q T P 2nd round sequences:
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
The obtained consistence (the structure binder) is used for the peptide of interfurther study or use in biosensors ©	Y     G     G     F     M     T     T     P     S     H     Y     P       y     G     G     F     I     S     Q     H     Y     S       r     making     Y     G     G     F     I     S     Q     H     Y     S       y     G     G     F     I     S     Q     H     Y     S       y     G     G     F     I     S     Q     H     Y     S       y     G     G     F     S     M     P     F     L     P       erest for     Y     G     G     F     S     M     P     F     L     P

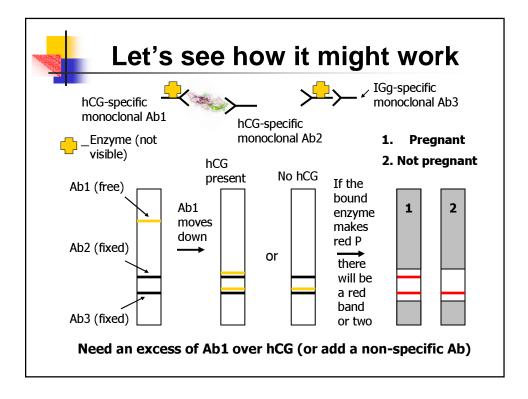


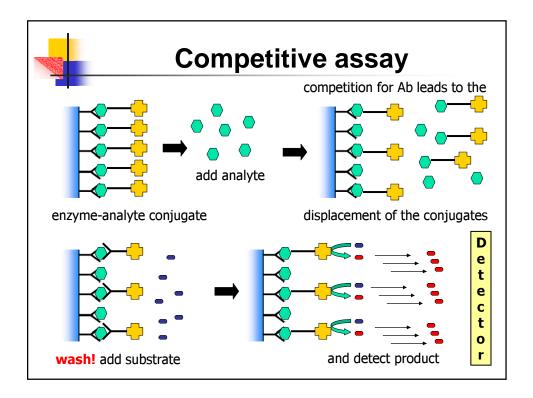


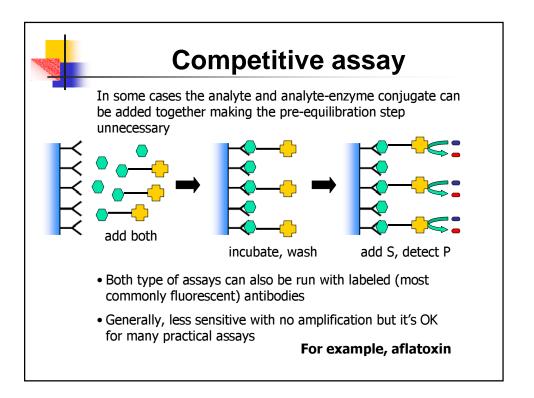


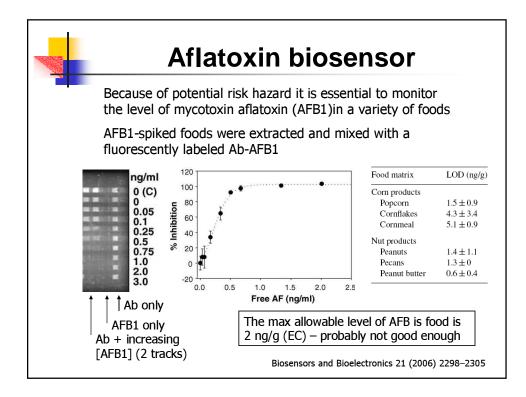


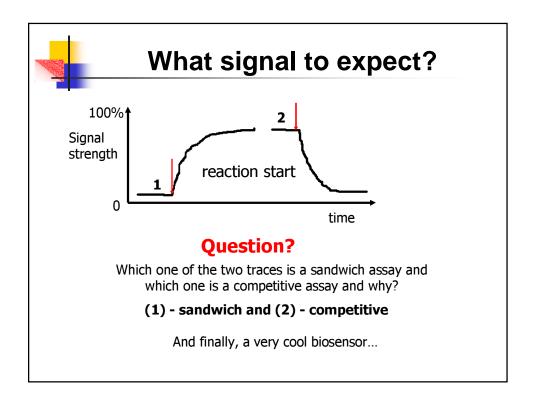


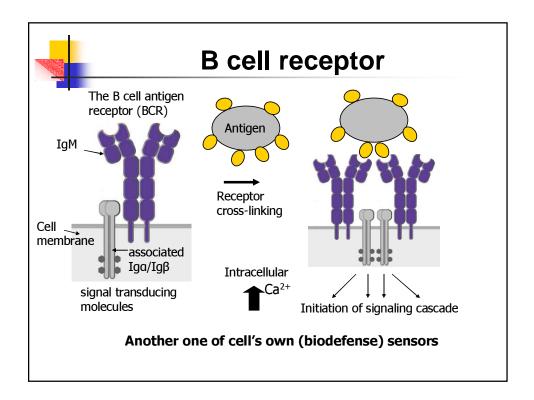


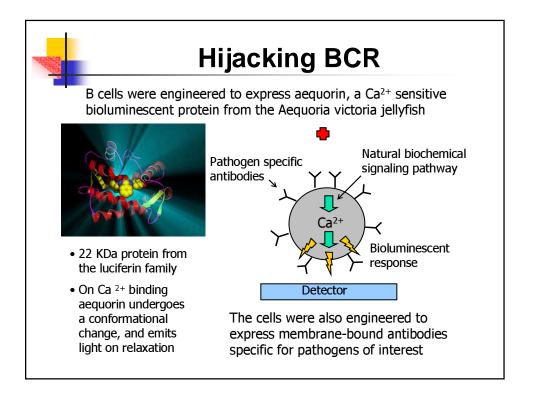


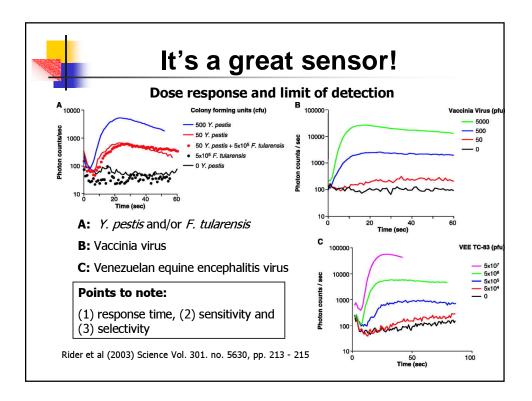


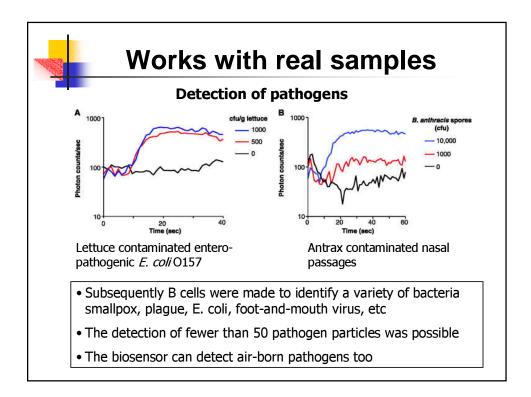


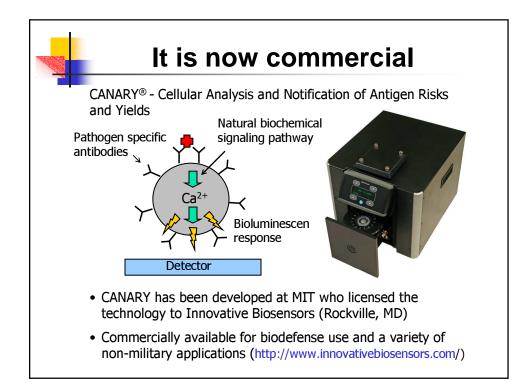


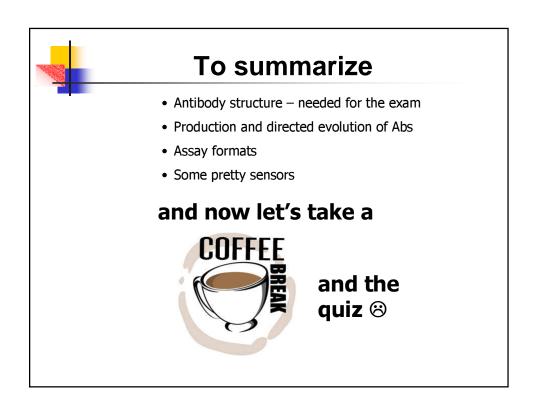


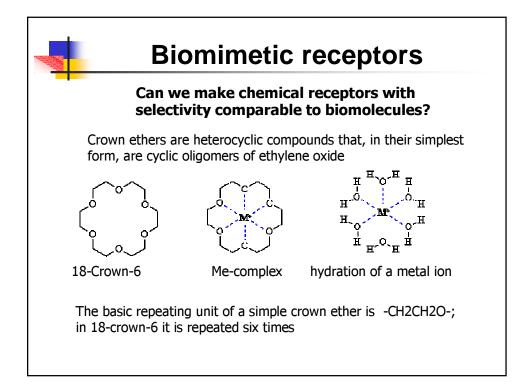


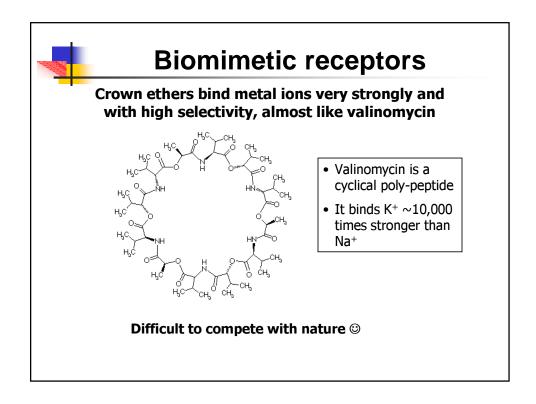


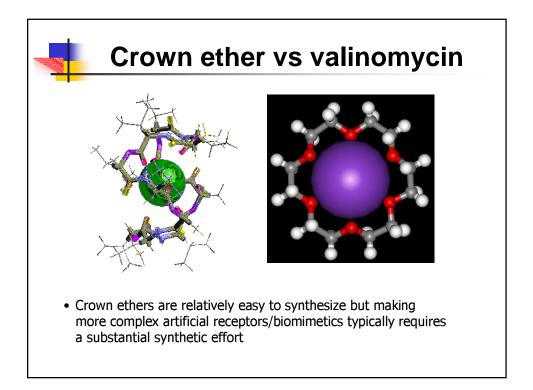


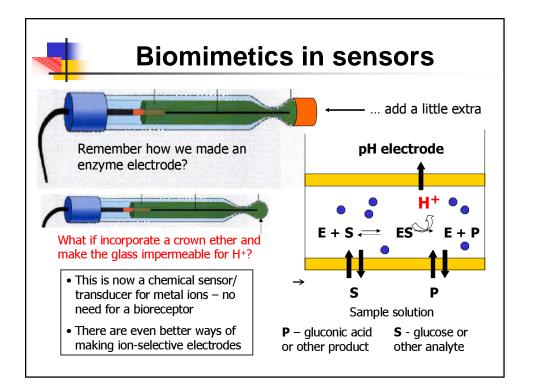


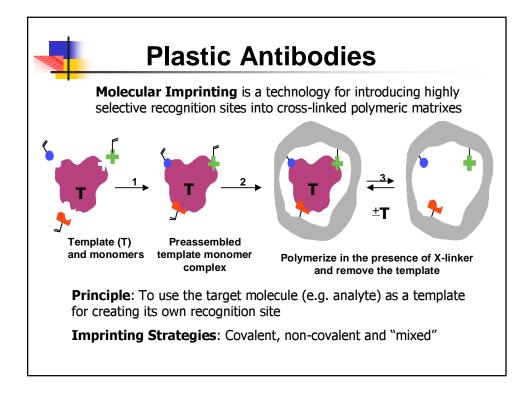


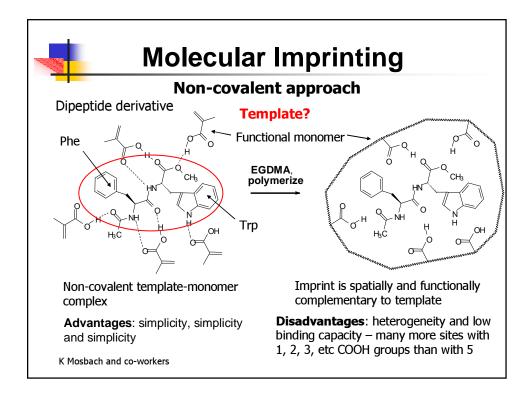


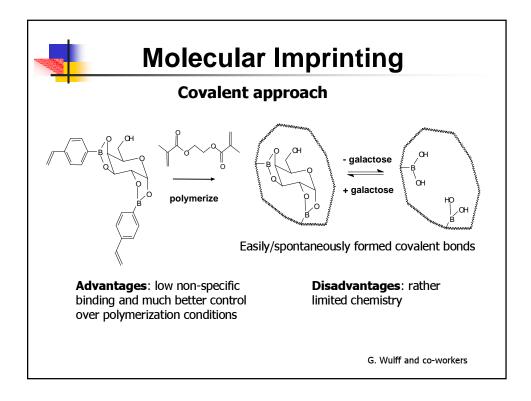


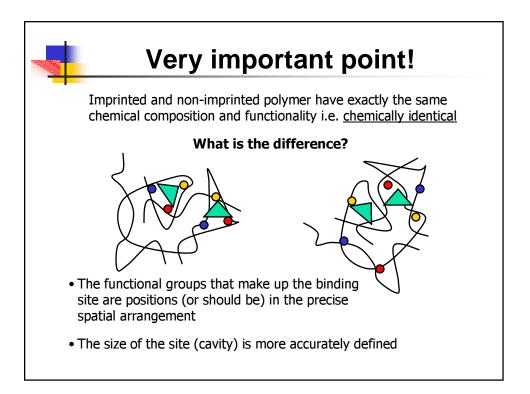


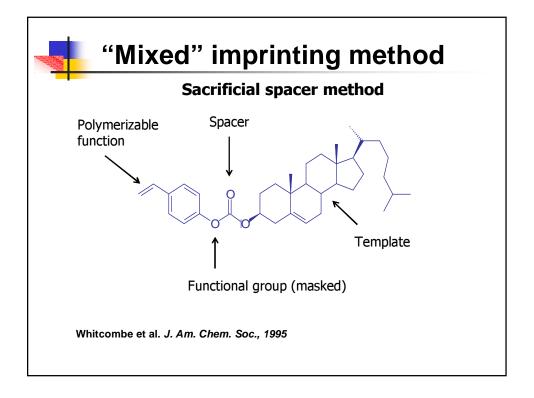


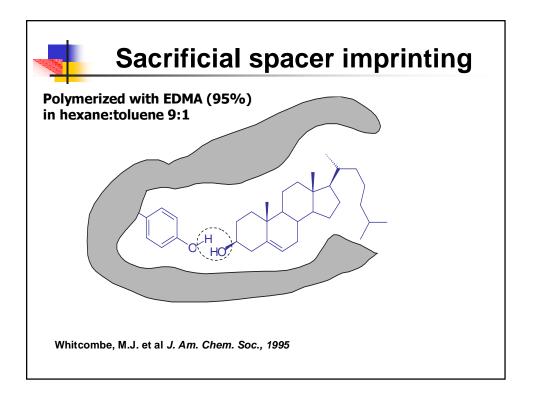


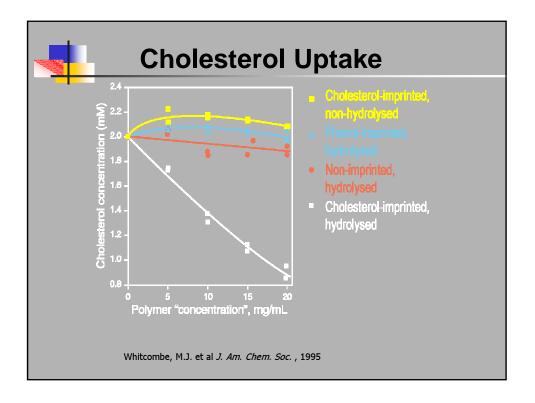


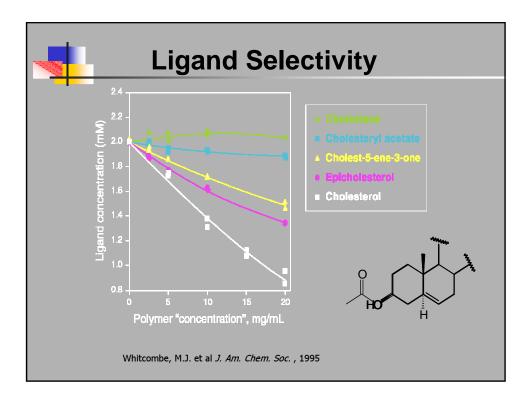


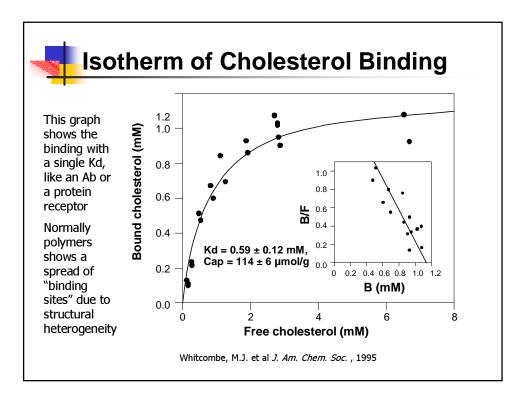


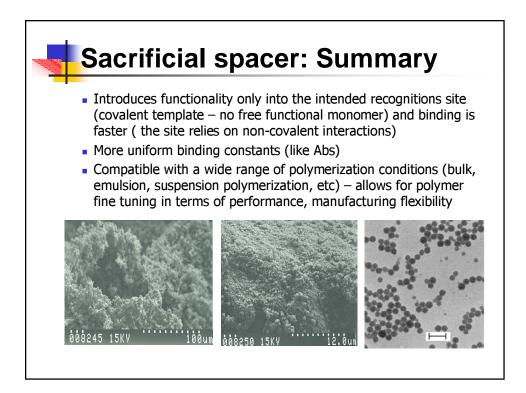


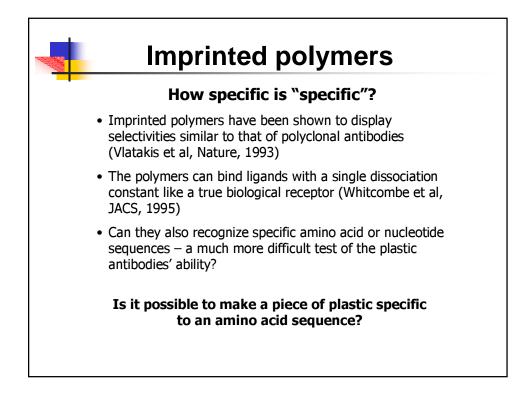


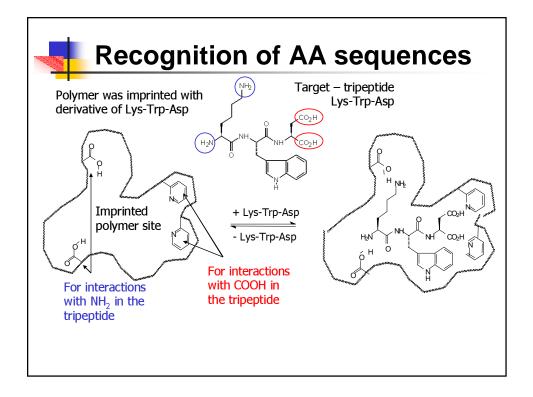


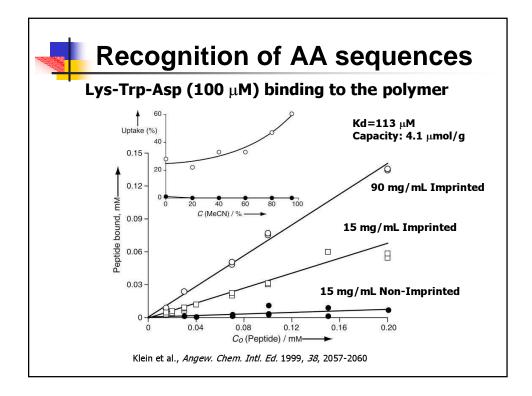




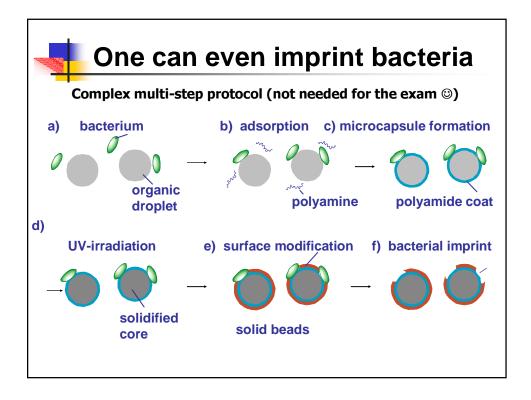


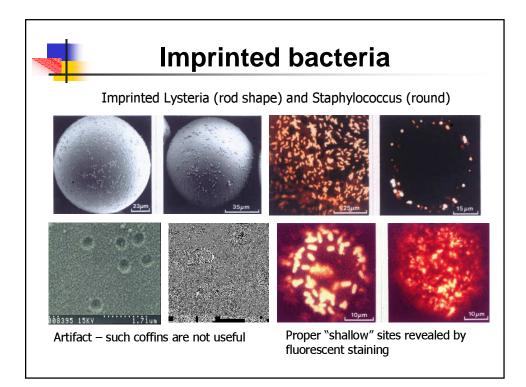


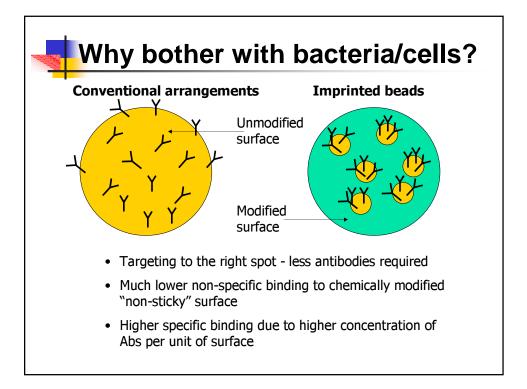


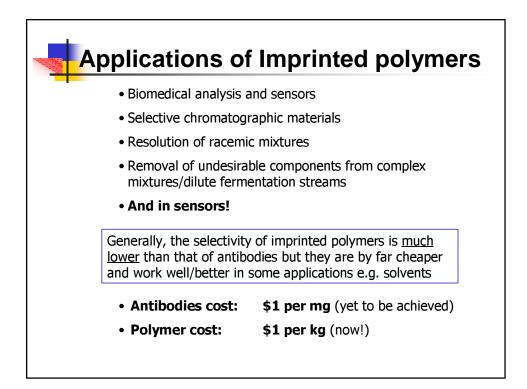


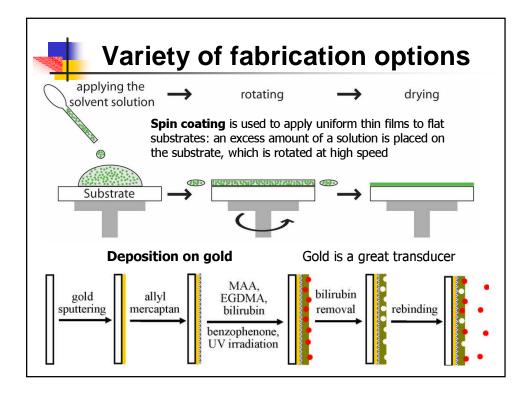
Sp	Specificity study:						
Peptide binding							
Sequence	Percentag	je bound					
	Imprinted polymer	Non-imprinted					
Lys-Trp-Asp	43	11					
Arg-Trp-Asp	24	9					
Leu-Trp-Asp	<2	6					
Gln-Trp-Asp	<2	<2					
Lys-Phe-Asp	4	<2					
Lys-Trp-Asp	5	3					
Lys-Trp	35	17					
Lys-Phe	9	5					
Lys-Val	15	4					

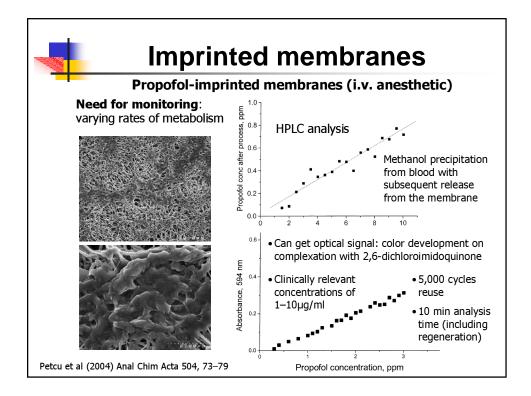


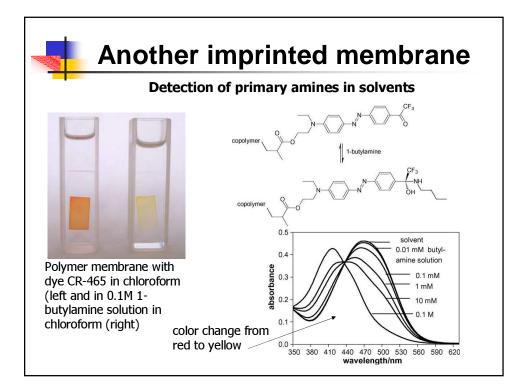


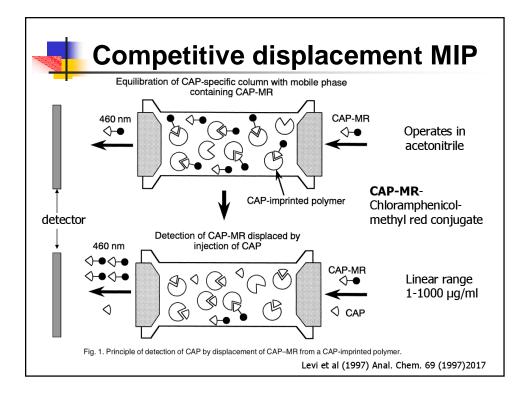


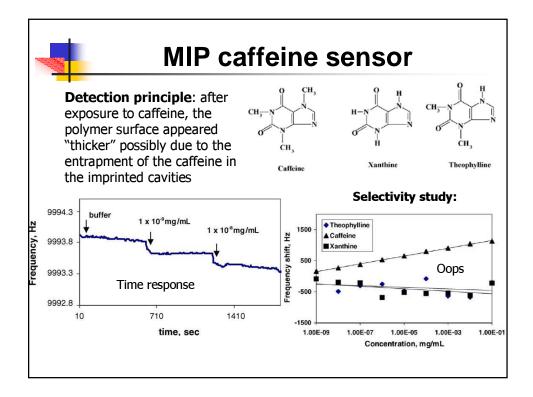




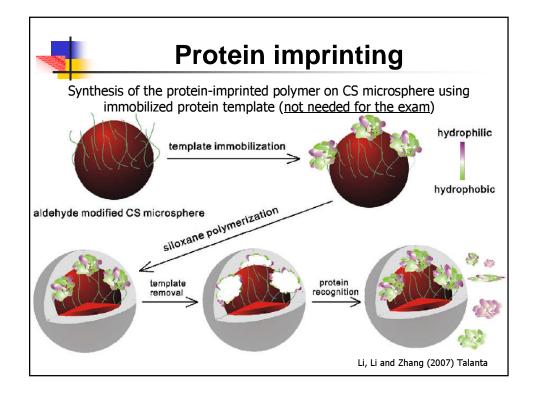








lmr	printer pol	vmers in s	sensors
		<i></i>	
Summary of sensor	r applications using molecularly	imprinted polymers	
Class	Typical analyte	Functional monomer	Detection range
Fluorimetry	Triazine	MAA	0.01–100 mM
,	Sialic acid	Allylamine+TVPhB	0.5–10 μ <i>M</i>
	Dansyl-L-phenylalanine	MÁA, 2VPy	0–30 µg/ ml
	Pyrene	Aromatic polyurethane	0-40 µg/l
	cAMP	DMASVBP+HEMA	0.1–100 μ <i>M</i>
	NATA	HEAPTES+TES	Qualitative
Conductometry	Atrazine	DEAEM	0.01–0.5 mg/l
	Sialic acid	Allylamine+TVPhB	1–50 μ <i>Μ</i>
	Morphine	MAA	Qualitative
	L-Phenylalanine	DEAEM	0.05–0.4 mM
Spectrometry	Chloramphenicol	DEAEM	1–1000 µg/ml
	Chloramphenicol	DEAEM	3–30 µg/ ml
	Testosterone	MAA	0.10-1.25 mM
Potentiometry	Phenylalanine anilide	MAA	33–3300 μg/ml
Capacitance	Phenylalanine anilide	MAA	Qualitative
Amperometry	Morphine	MAA	0.1–10 μg/ml
SAW, QMB	o-Xylene	Aromatic polyurethane	Qualitative
Luminescence	PMP	Eu <sup>III</sup> +DVMB	0.125–150 000 µg.
pН	Glucose	STACNCu	0–25 mM
SPR	Theophylline	MAA	0.4–6 mg/ml



	Crac	king n	uts	with	า?
				(b)	
	gnition of template an		<u>2μm</u> ns by BSA-in	mprinted	For analytical
Selective reco (I-MIP, F-MIP	gnition of template an ) and non-imprinted ad Substrate			mprinted $\alpha^{b}$	use – YES!
Selective reco (I-MIP, F-MIP Adsorbent	) and non-imprinted ad	lsorbent (NIP)	ns by BSA-in	mprinted $\alpha^{b}$	use – <b>YES!</b> Look at the
Selective reco (I-MIP, F-MIP Adsorbent	) and non-imprinted ad Substrate	Isorbent (NIP) $Q (mg g^{-1})$	ns by BSA-in $K_{\rm D}^{\rm a}$	mprinted $\alpha^{b}$ 4.9	use – YES!
Selective reco (I-MIP, F-MIP Adsorbent	) and non-imprinted ad Substrate BSA Transferrin	$\frac{Q (\text{mg g}^{-1})}{15.5}$	ns by BSA-in $K_{\rm D}^{\rm a}$ 68.9	α <sup>b</sup>	use – <b>YÉS!</b> Look at the specificity
Selective reco (I-MIP, F-MIP Adsorbent	) and non-imprinted ad Substrate BSA Transferrin Lysozyme	$\frac{1}{\frac{Q \text{ (mg g}^{-1})}{15.5}}$	ns by BSA-in $K_D^a$ 68.9 14.1	α <sup>b</sup>	use – YÉS! Look at the specificity There may be
Selective reco (I-MIP, F-MIP Adsorbent	) and non-imprinted ad Substrate BSA Transferrin		$\frac{K_{\rm D}^{\rm a}}{68.9}$ 14.1 3.6	α <sup>b</sup> 4.9 19.1	use – YÉS! Look at the specificity There may be another use
Selective reco	) and non-imprinted ad Substrate BSA Transferrin Lysozyme Beta-amylase		$\frac{K_{\rm D}^{\rm a}}{68.9}$ 14.1 3.6 2.3	α <sup>b</sup> 4.9 19.1 30	use – YÉS! Look at the specificity There may be

