

Discovery proteomikatik *Targeted* proteomikara

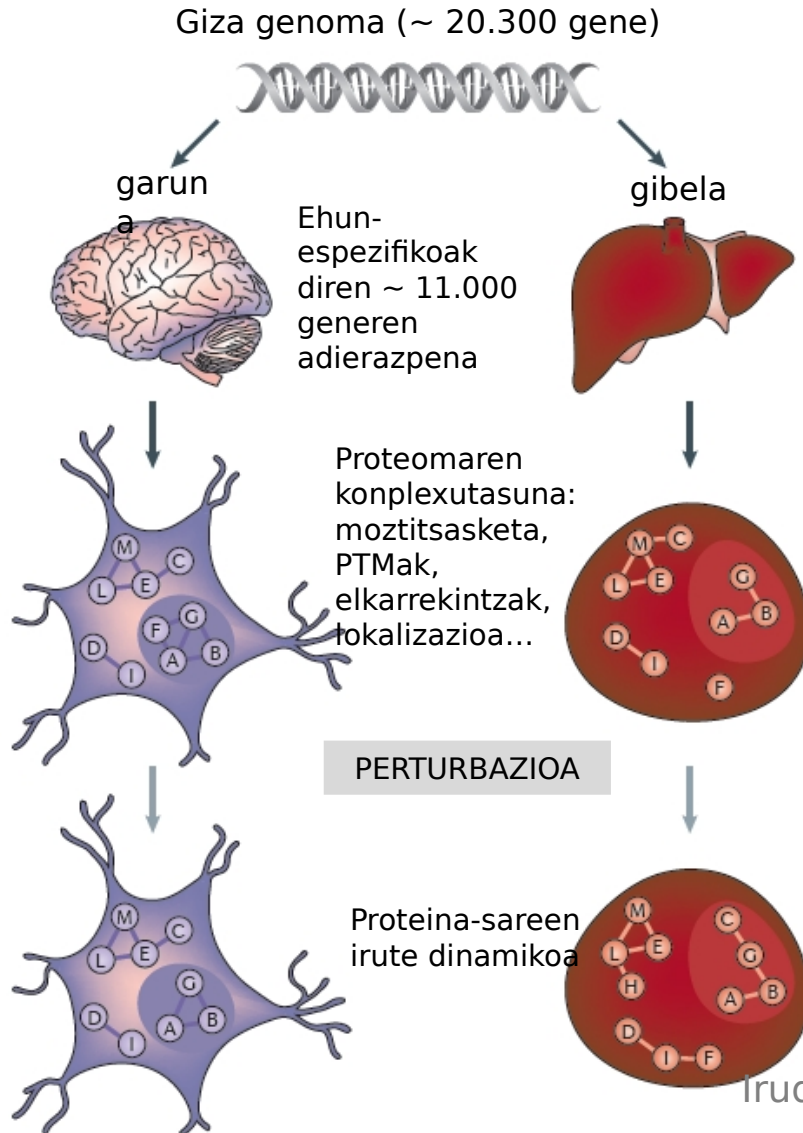
PROTEOMIKA

Proteoma (1994): genoma batek adierazitako proteinen bilduma

Proteomika

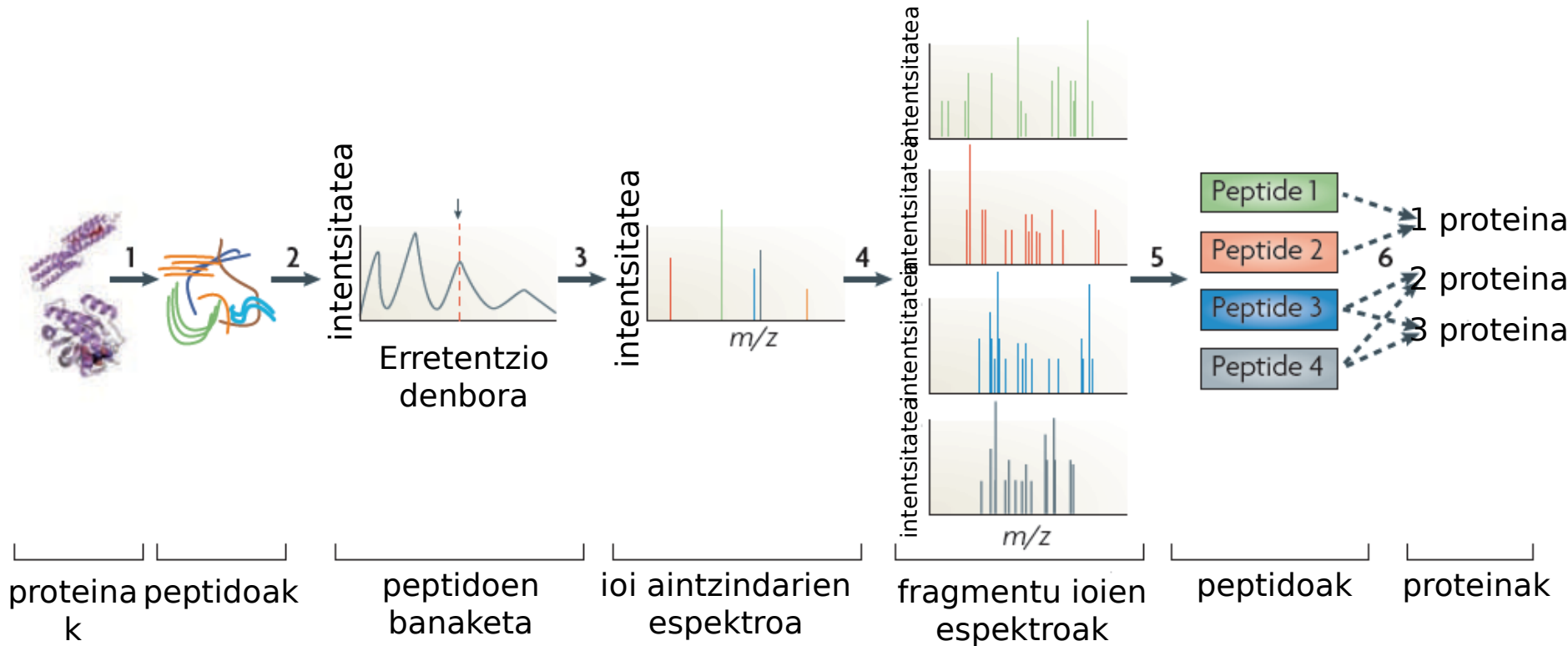
- proteomaren analisia
- zeluletako prozesuen edota prozesu patologikoen proteina mailako ikuspegi orokor eta integratzailea izateko helburuarekin, eskala handian egindako proteinen ezaugarrien azterketa (adierazpen maila, itzulpen ondoko aldaketak, elkarrekintzak etab.)

PROTEOMIKA

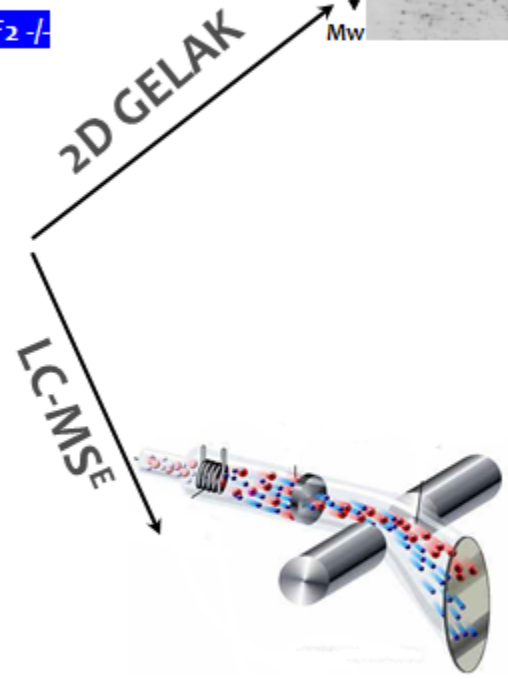
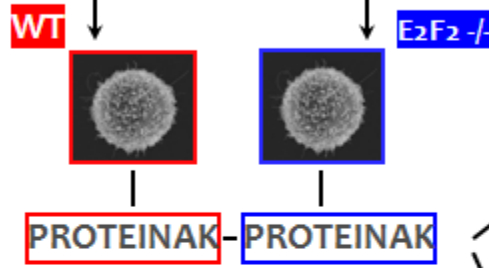
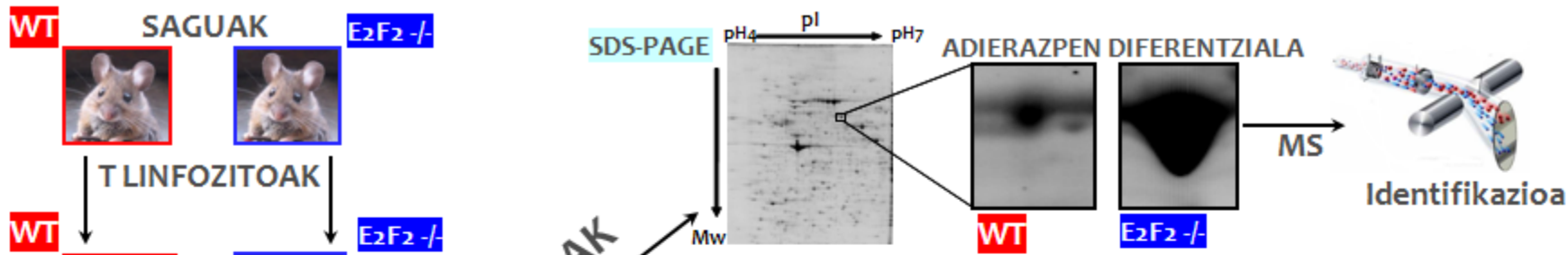


- proteinak identifikatu
- proteinak kuantifikatu

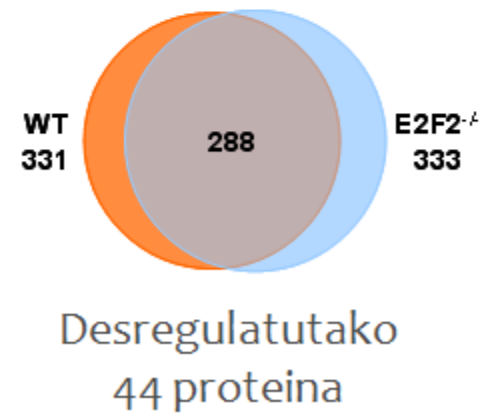
Discovery PROTEOMIKA



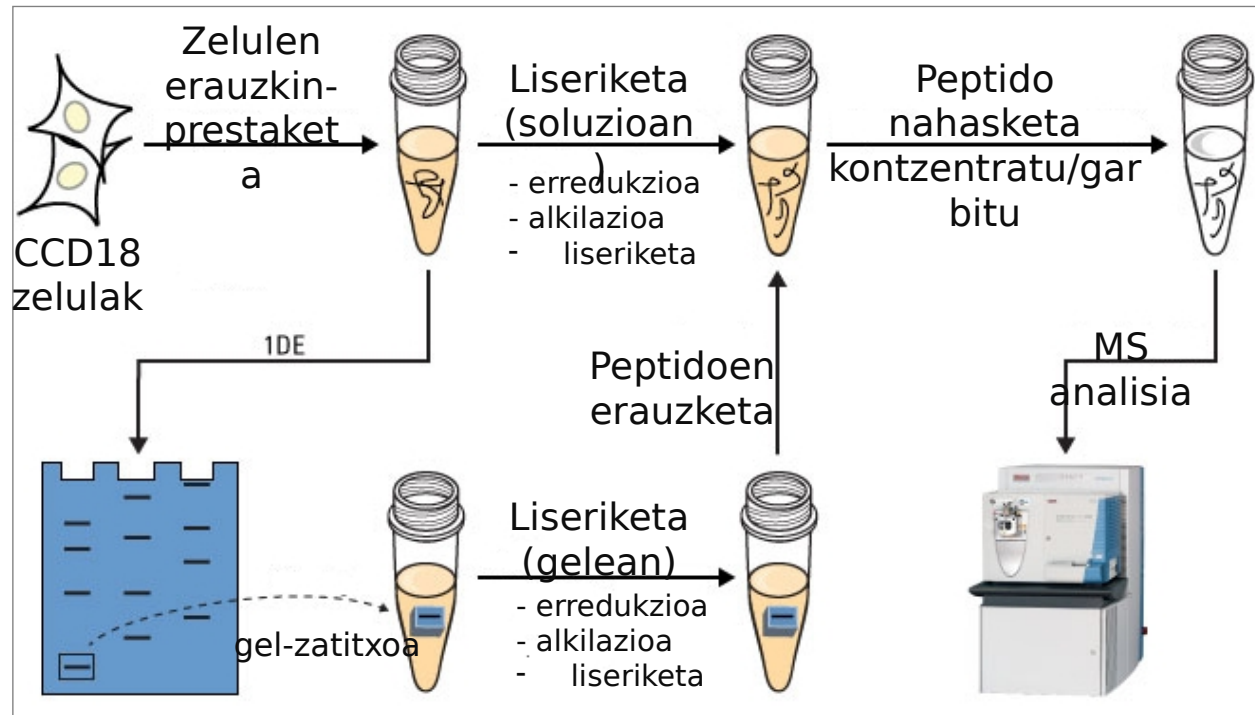
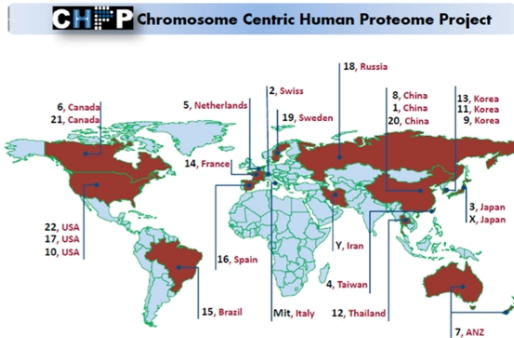
Discovery PROTEOMIKA



PROTEIN NAME	RATIO BASED ON ABSOLUTE QUANTIFICATION	RATIO BASED ON COMPARATIVE ION CURRENT
APF3_MOUSE	-	0.77
BAF_MOUSE	1.64	1.19
C11C_MOUSE	0.25	0.76
CAP1_MOUSE	-	0.79
CNBP_MOUSE	-	1.45
EF1B_MOUSE	2.16	1.47
ENC6_MOUSE	-	0.77
EZR6_MOUSE	0.69	0.80
GRAB_MOUSE	1.63	1.42
HMG81_MOUSE	1.66	1.52
MOES_MOUSE	0.74	0.85
MYH9_MOUSE	-	0.78
MYL8B_MOUSE	1.32	1.61
PAG24_MOUSE	0.67	-
PUS7_MOUSE	0.93	0.80
PSA5_MOUSE	0.62	-
PTMA_MOUSE	-	1.96
PUR9_MOUSE	0.74	-
RBM3_MOUSE	1.57	1.47
RLA2_MOUSE	1.50	1.45
ROAA_MOUSE	1.52	1.72
RS21_MOUSE	1.54	1.72
RS25_MOUSE	1.62	1.72
RS5_MOUSE	1.57	1.33
RUVB1_MOUSE	0.60	-
SAMH1_MOUSE	0.45	0.81
SH3L3_MOUSE	0.60	0.76
STAT1_MOUSE	0.64	0.72
THO_MOUSE	2.06	1.64



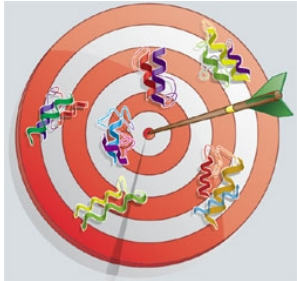
Discovery PROTEOMIKA_HPP



7611 proteina (25868 peptido) identifikatuta
15 gel bandatik

Targeted PROTEOMIKA

PROTEOMIKA ITURATUA



**Intereseko
proteinak**

Shotgun
PeptideAtlas

Aurresand
ako
nentidoak

**Peptido
proteotipikoak**

Peptidoen balidazioa SRM-k
bultzatutako MS2
esperimentuen bidez

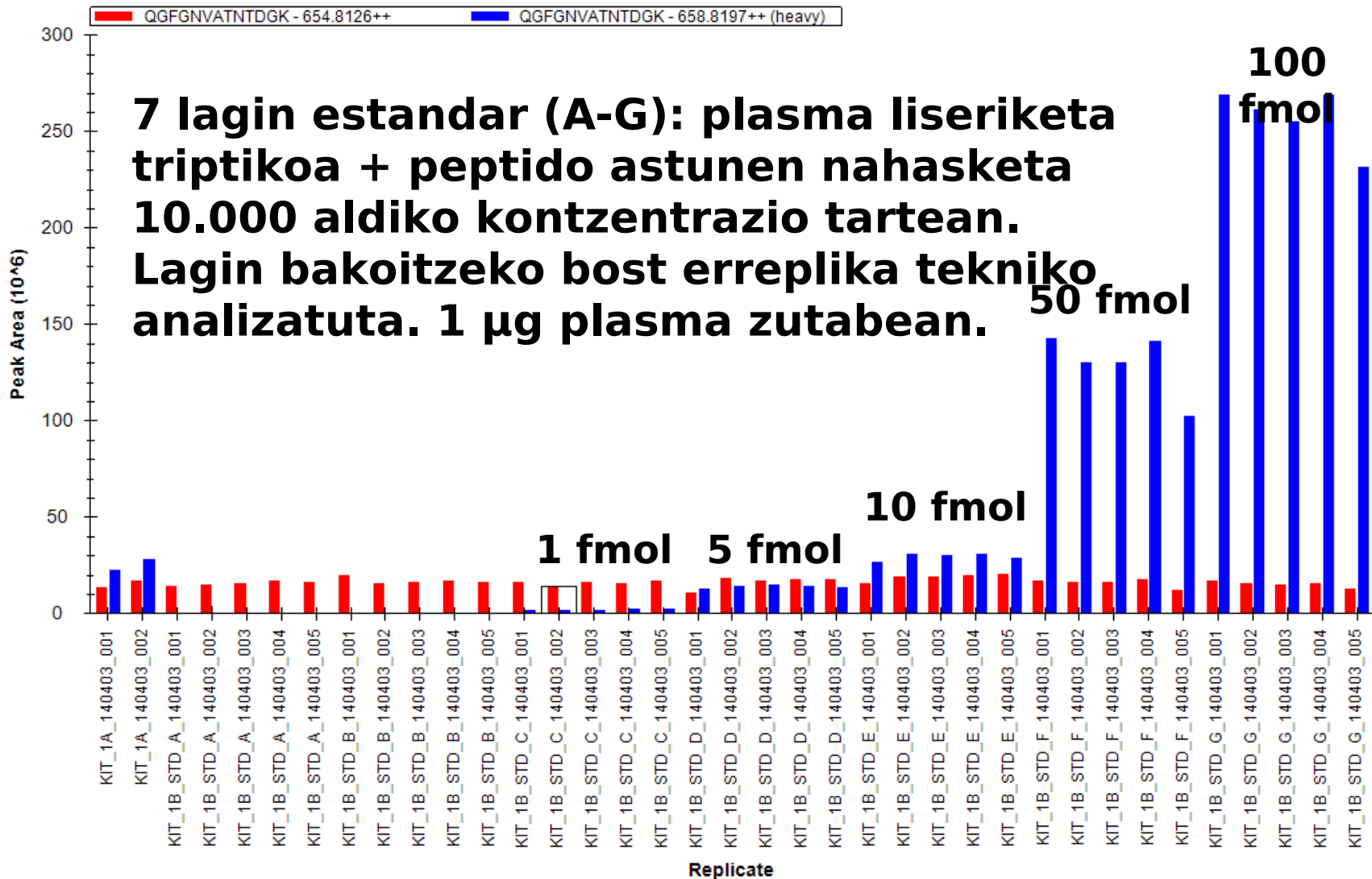
Markatutako peptido astunak
lortu

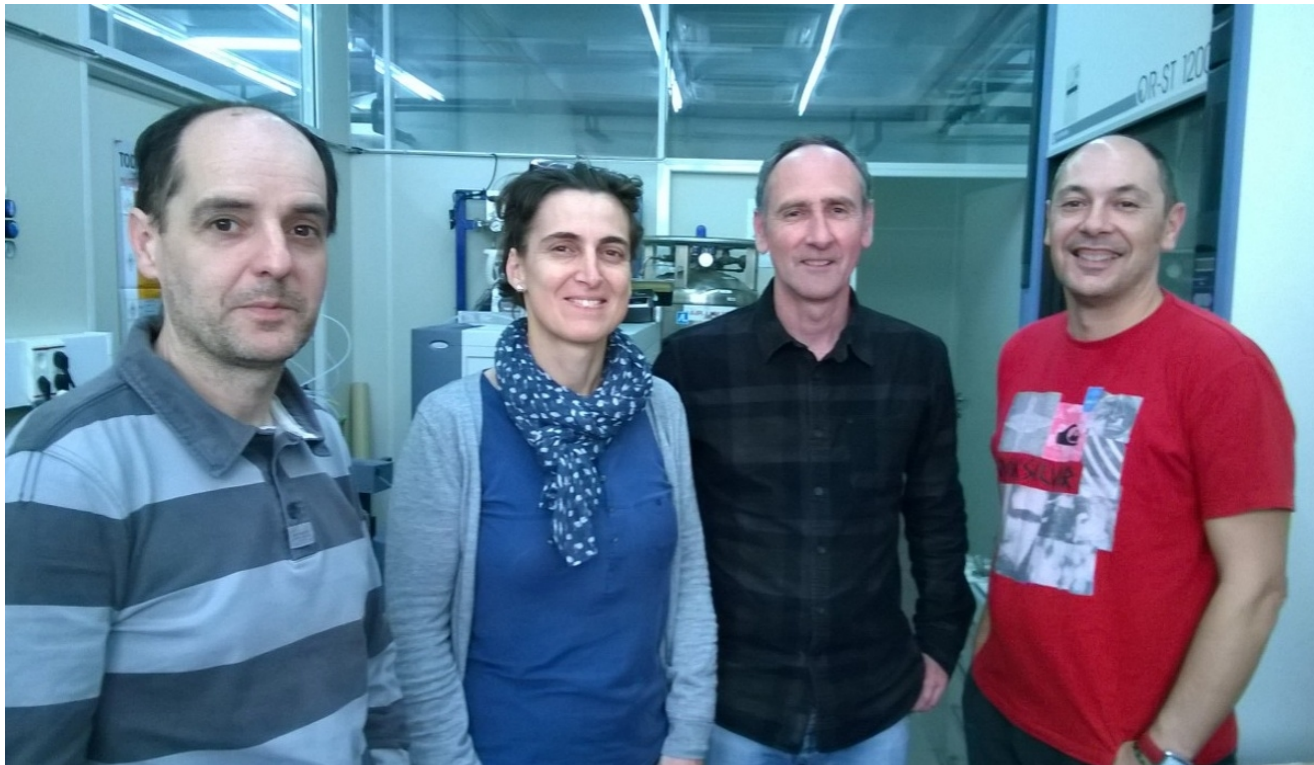
Trantsizioak aukeratu eta
optimizatu

**SRM bidezko analisi
kuantitatibea**

Targeted PROTEOMIKA

PROTEOMIKA ITURATUA





Kerman Aloria
Jesus Mari Arizmendi
Jabier Beaskoetxea
Miren Josu
Omaetxebarria