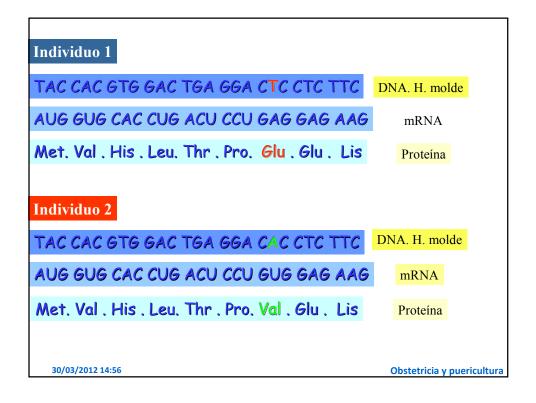
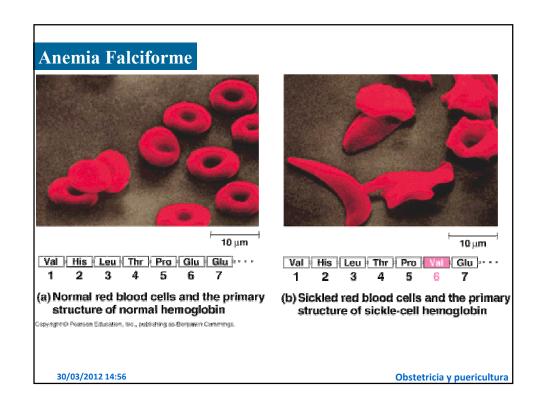
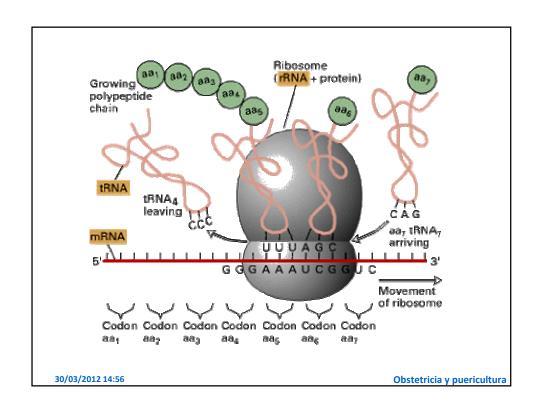
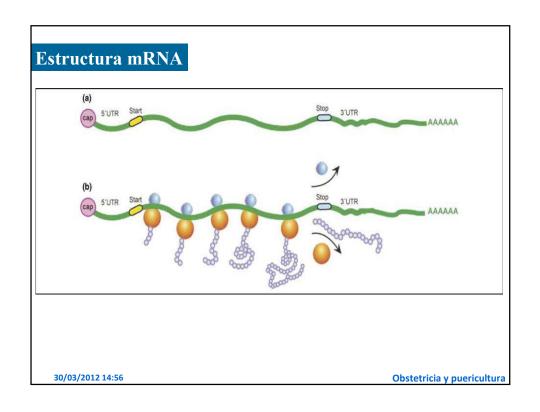


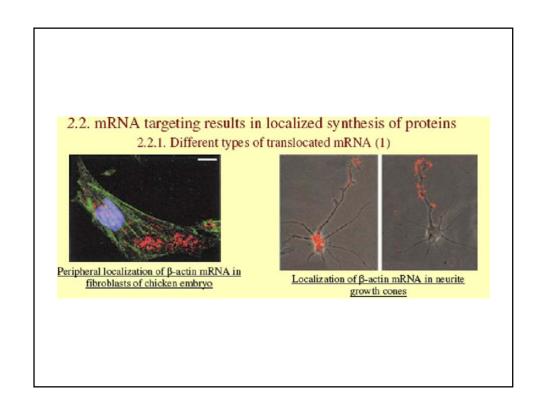
Codon	Standard code	Mitochondria code
UGA UGG	Stop — Trp	Trp Trp
AUA AUG	Ile Met	Met Met
AGA AGG	Arg —	Stop

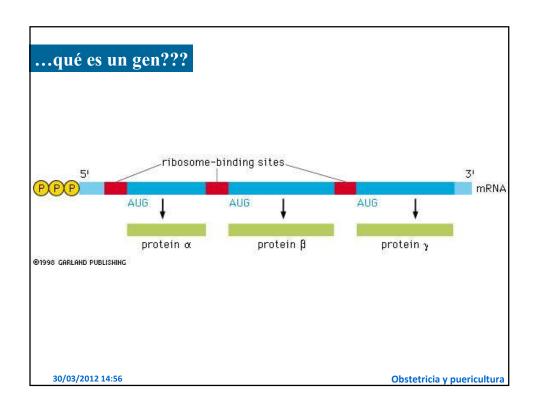




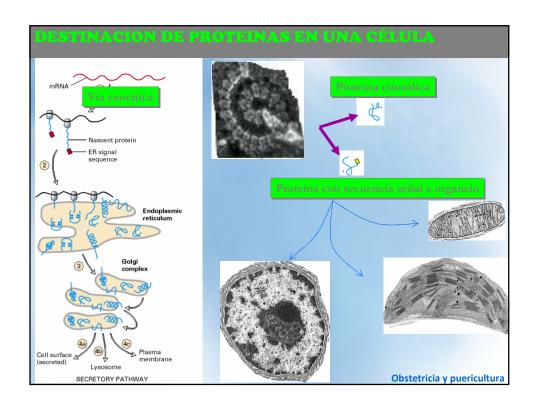












## Function of Signal Peptide Example of Signal Peptide †H₃N-Met-Met-Ser-Phe-Val-Ser- Leu-Leu-Leu-Val Import into ER Gly-Ile-Leu-Phe-Trp-Ala -Thr-Glu-Ala-Glu-Gln-Leu-Thr-Lys-Cys-Glu-Val-Phe-Gln-Retain in lumen of ER

-Lys-Asp-Glu-Leu-COO

<sup>+</sup>H<sub>3</sub>N-Met-Leu-Ser-Leu-<mark>Arg</mark>-Gln-Ser-Ile-<mark>Arg</mark>-Phe-Import into mitochondria Phe-Lys-Pro-Ala-Thr-Arg-Thr-Leu-Cys-Ser-Ser-Arg-Tyr-Leu-Leu-

-Pro-Pro-Lys-Lys-Lys-Arg-Lys-Val-Import into nucleus

Import into peroxisomes -Ser-Lys-Leu-<sup>†</sup>H<sub>3</sub>N-Gly-Ser-Ser-Lys-Ser-Lys-Pro-Lys-Attach to membranes via the

covalent linkage of a myristic acid to the amino terminus

Señales y destinos

Positively charged amino acids are shown in red and negatively charged amino acids in green. An extended block of hydrophobic amino acids is enclosed in a yellow box,  $H_3N^{\dagger}$  indicates the amino terminus of a protein; COO $^{-}$  indicates the carboxyl terminus.

