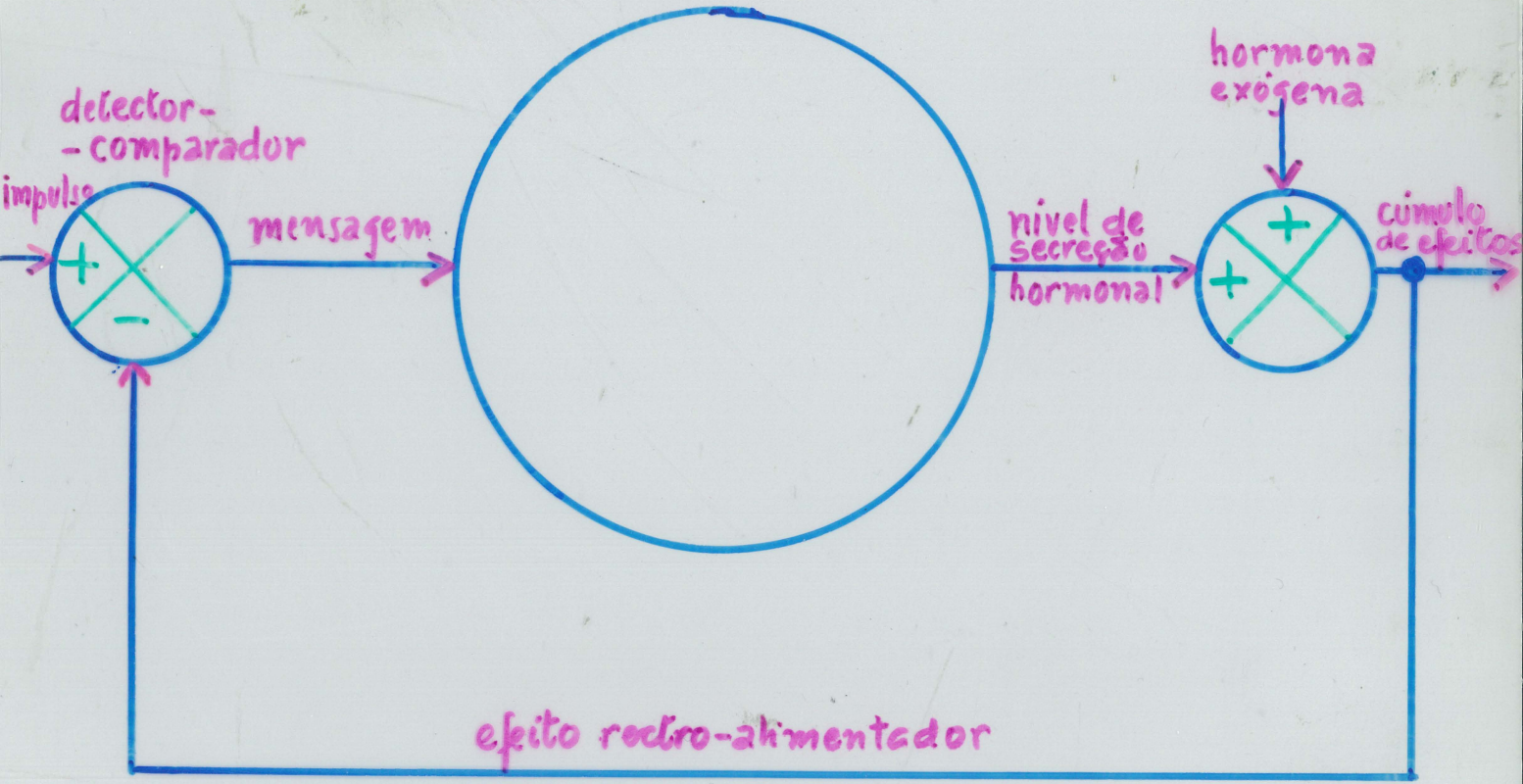


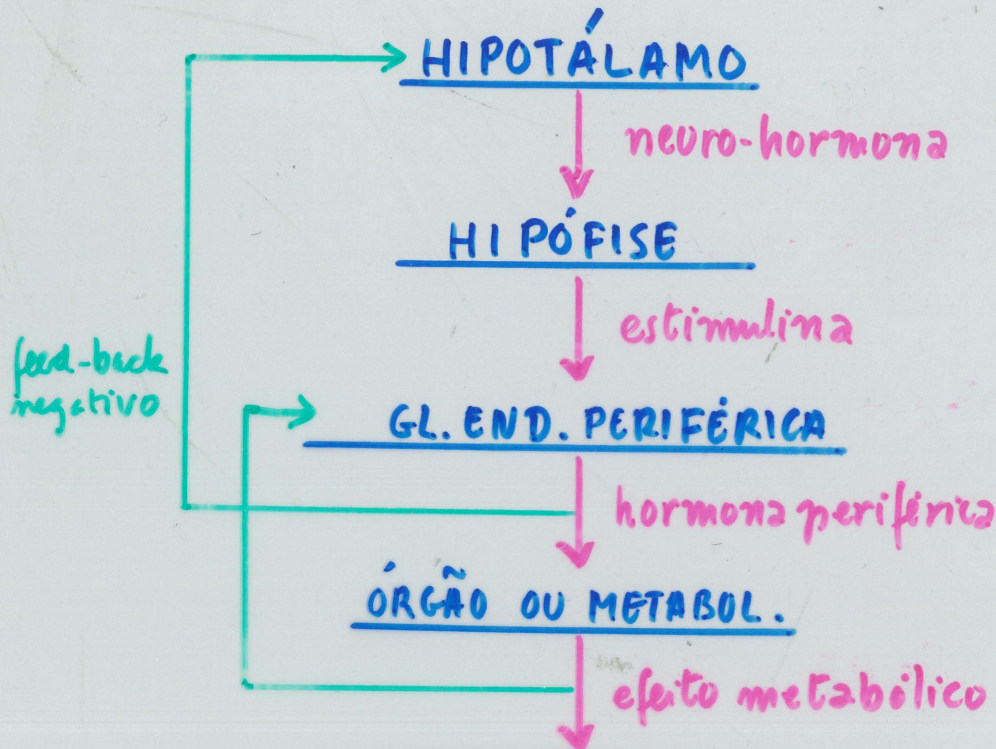
receptores hormonais específicos

modelo endócrino com feedback negativo célula endócrina





Esquema de um eixo endócrino



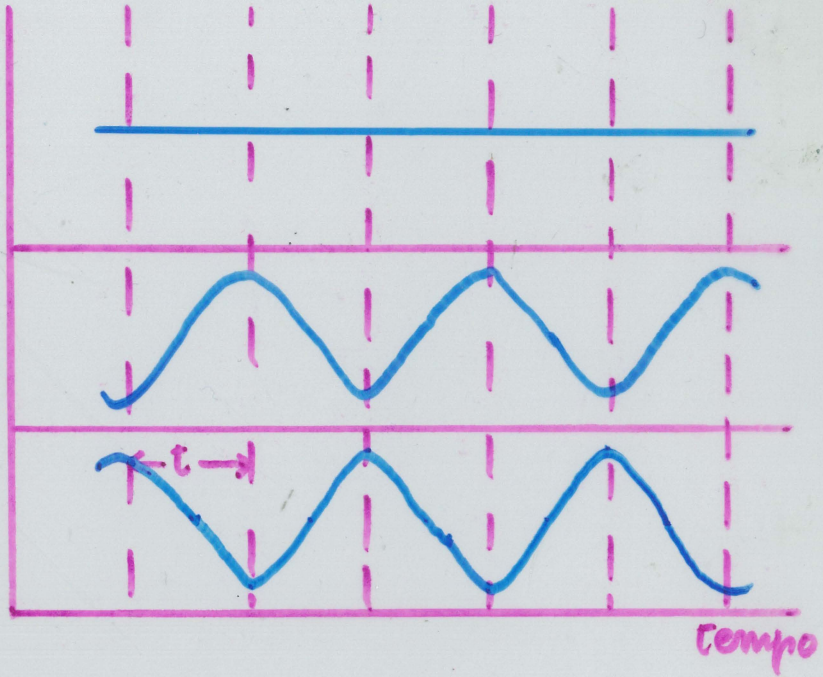
oscilações do sistema regulador

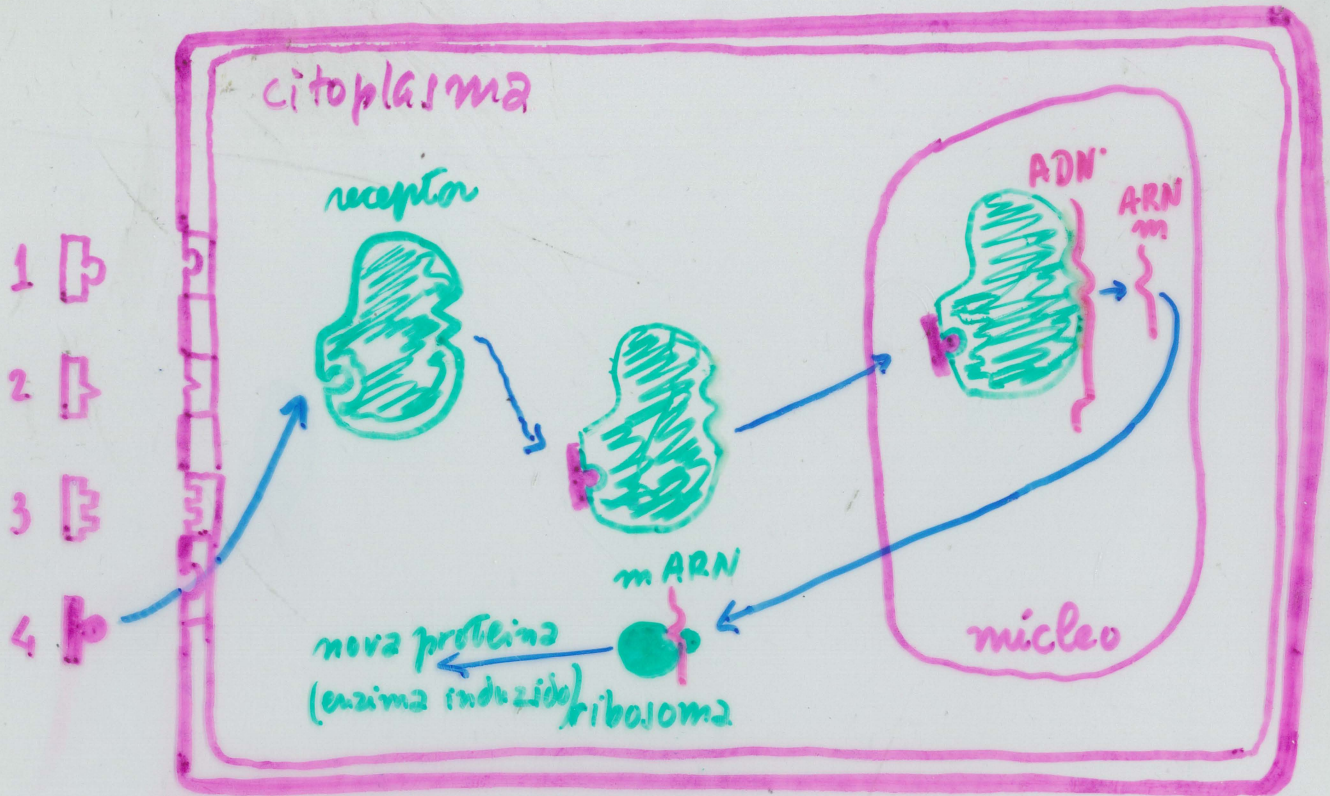


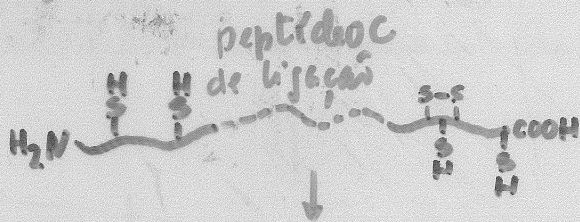
impulso constante em
cada momento
no comparador

mensagem

efeito do feed-back



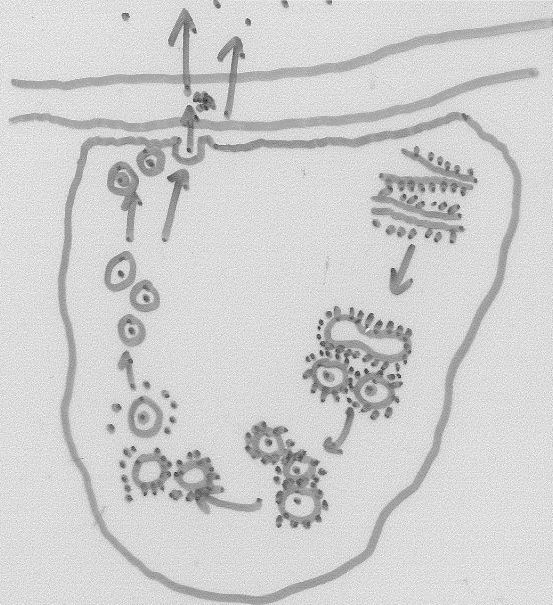
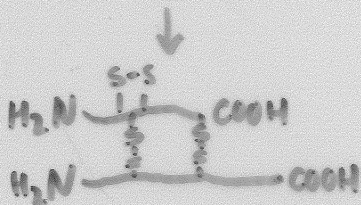




Proinsulina



Insulina



HORMONAS

Polipeptídeos libertadores hipotalâmicos

ACTH RF (CRF)

GH RF

TRF

PRF

LRF

FSH RF

M RF

G I F

P I F

M I F

Outros polipeptídeos

FSH

LH

LTH (prolactina)

GH

TSH

ACTH

MSH

Vasopressina

Oxitocina

Insulina

Proinsulina

Glicagina

Pancreatormona

Propancreatormona

Calcitonina

Relaxina

Eritropoietina

Lecitina

Colecistocimina

Progadrina

Safrina

Angiotensina

Esteroídeos

Aldosterona

Glicocorticóides

Tetosterona

Estrogénios

Progesterona

Androgénios

Colecalciferóis

Aminas

Acetilcolina

Tiroxina

Triiodotironina

Epinefrina

Norepinefrina

Melanoctonina



Hormonas hipotalâmicas

vasopressina (hormona antidiurética)

oxitocina

tirotropina-liberina (TRH)

luteotropina-liberina (LHRH)

somatostatina (GHI)

somatotropina liberina (GRH)

prolactina-inibina (PIH)

prolactina-liberina (PRH)

corticotropina-liberina (CRH)

tetroxina (T₄)tri-iodotironina (T₃)

paratormona

calcitonina

1,25(OH)₂D₃

cortisol

epiandrosterona

androstenediona

aldosterona

corticosterona

epinefrina

norepinefrina

renina

eritropoietina

Hormonas hipofisárias

tirotropina (TSH)

luteotropina (LH)

hormona do crescimento (GH)

prolactina

ACTH (corticotropina)

[β-endorfina, melanoestimulina]

foliculostimulina (FSH)

Somatomedinas

gastrina, secretina, etc
enteroglicagina

insulina

glicagina

somatostatina

estrogénios

progesterona

testosterona