

Programa Académico de Bachillerato
Universidad de Chile
Curso Biología E



Clase: Fecundación

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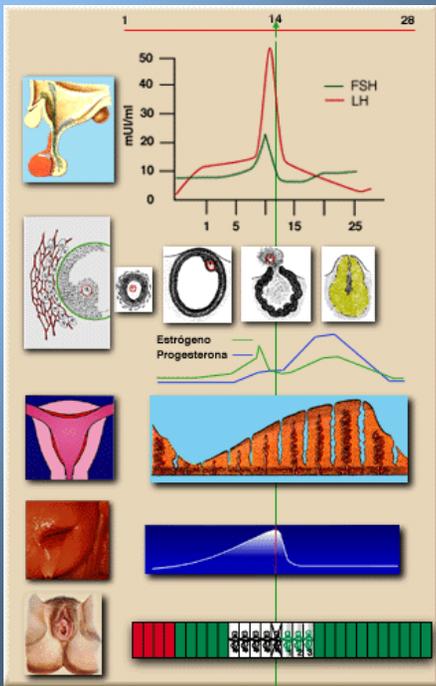
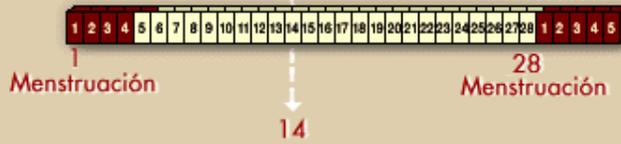


Ovulación



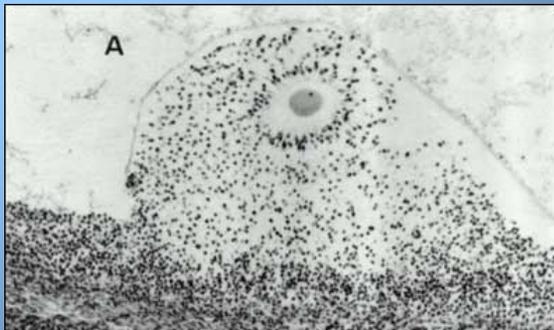
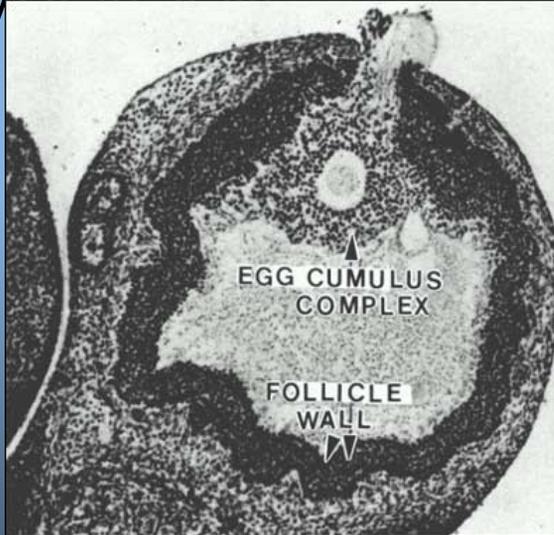
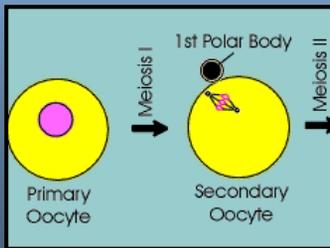
Fase Folicular

Fase Lútea

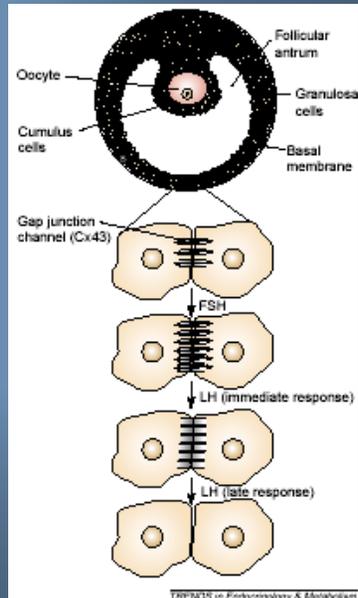


OVULACION

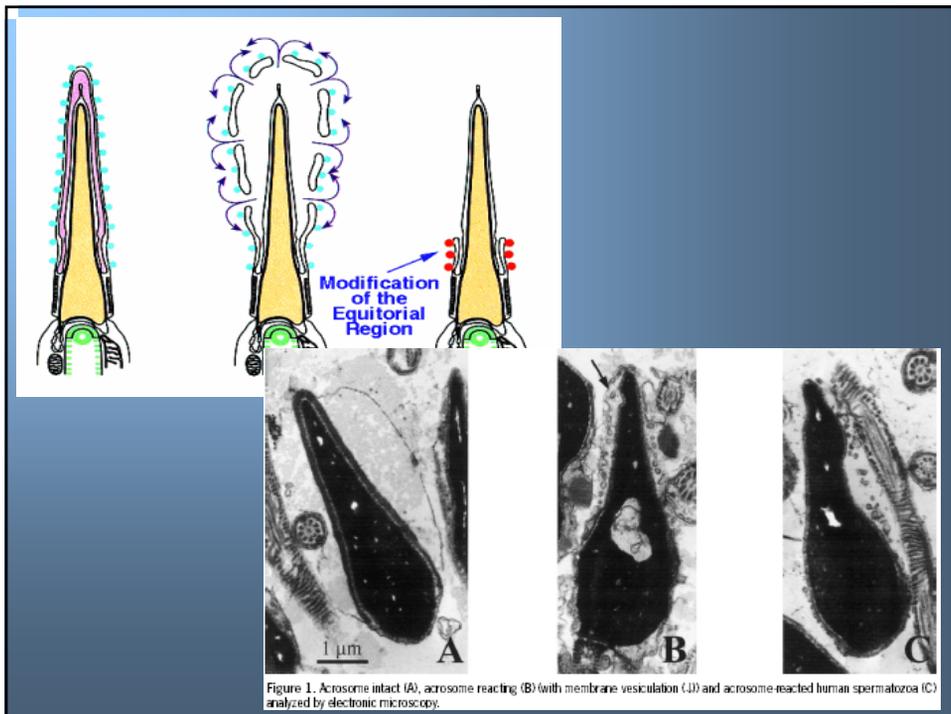
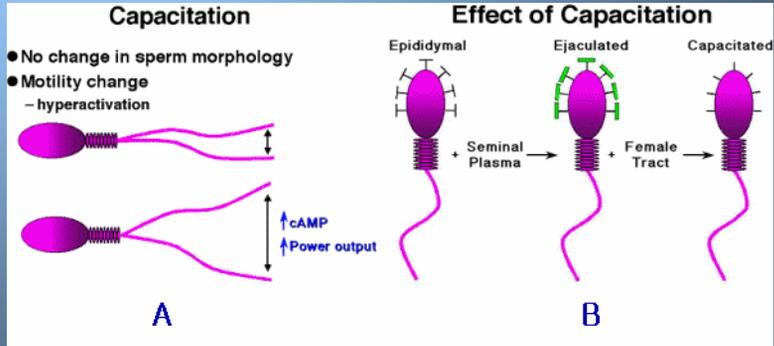
- Pulso LH y FSH
- Reactiva Meiosis
- ↓ cAMP

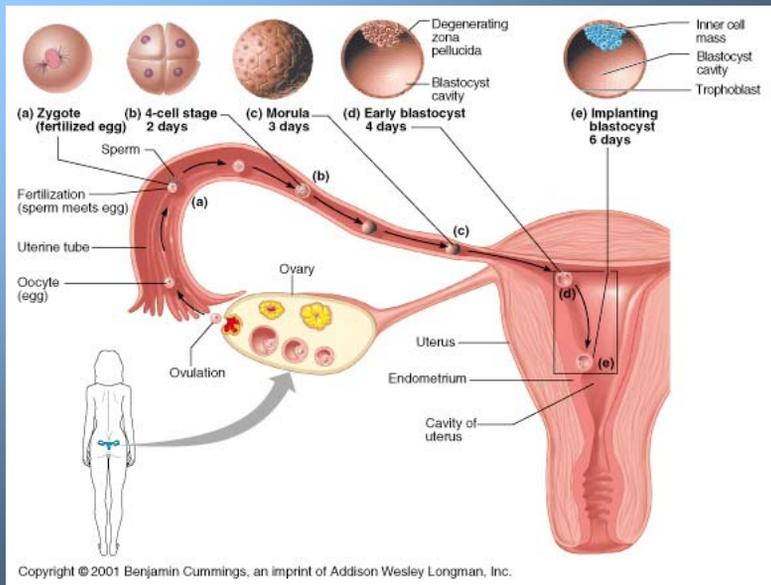


- LH/FSH
- Mucificación
- Pérdida uniones estrechas



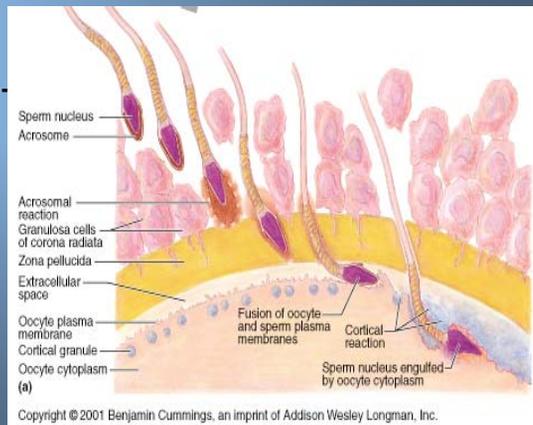
Capacitación Espermática



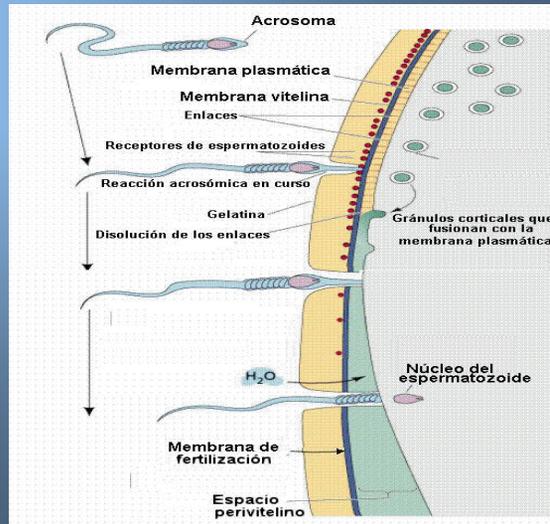
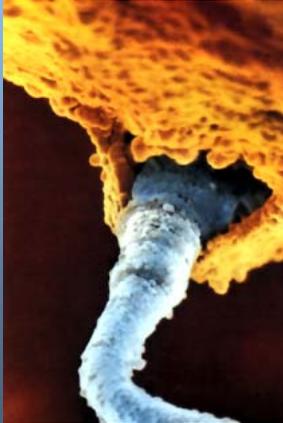


Fecundación

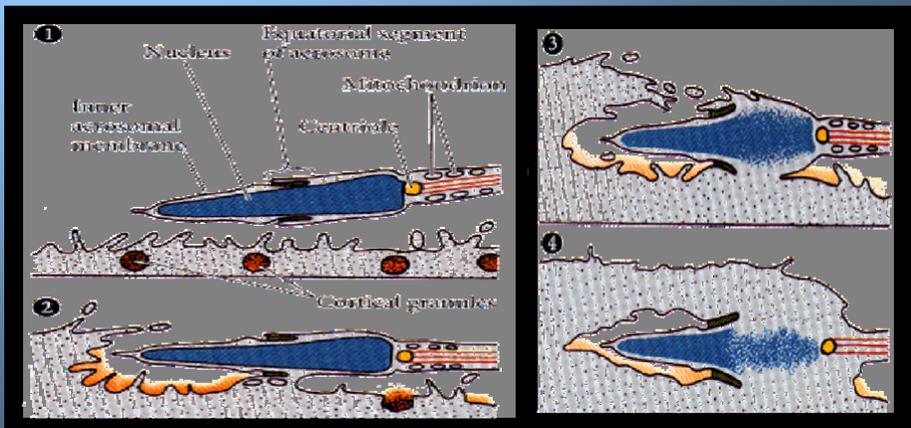
- Capacitación
- Interacción Espermio-Óvulo:
 - o Reconocimiento Especie-Específico
 - o Fusión de gametos
 - o Activación Meiotica y metabólica ovocito



Interacción Óvulo-Espermio



Fusión de Membranas



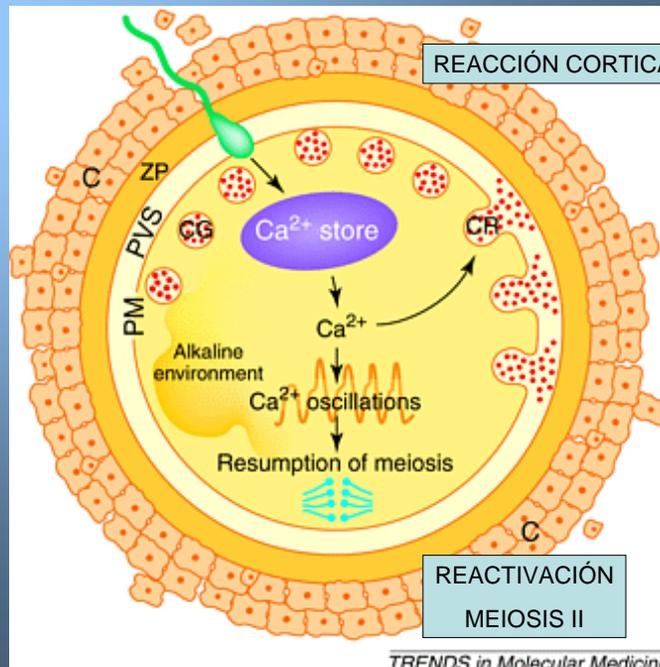
Xenopus laevis



Activación metabólica

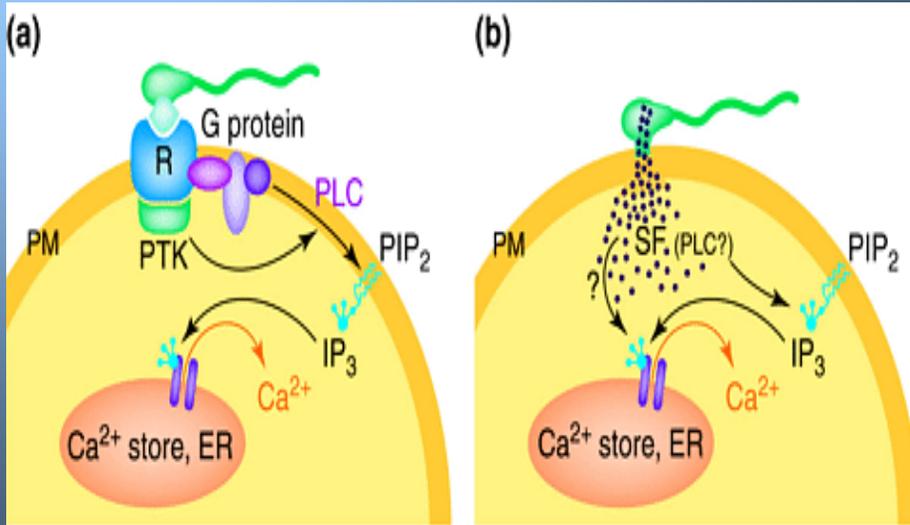
- Eventos fisiológicos, bioquímicos y morfológicos
- Estimulados por fertilización:
 - Respiración
 - Transporte de iones y aminoácidos
 - Síntesis de proteínas
 - Síntesis y activación o inactivación de kinasas y fosfatasas

Activación Ovocito



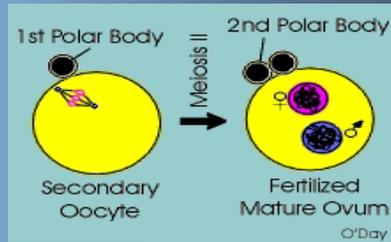
TRENDS in Molecular Medicine

Activación por espermatozoide

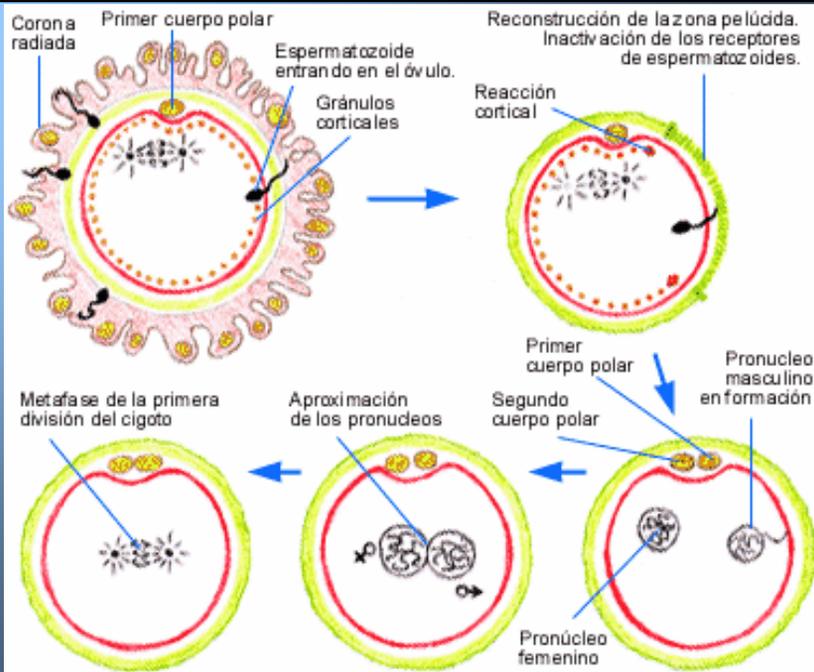
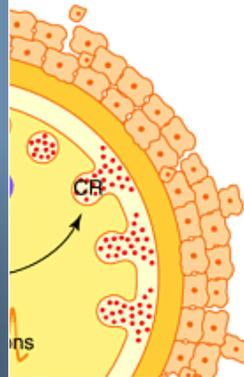


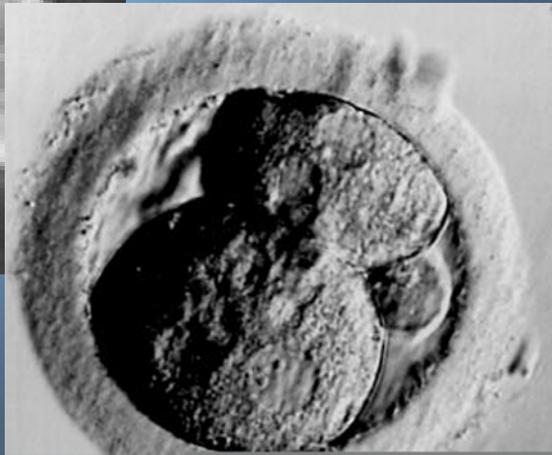
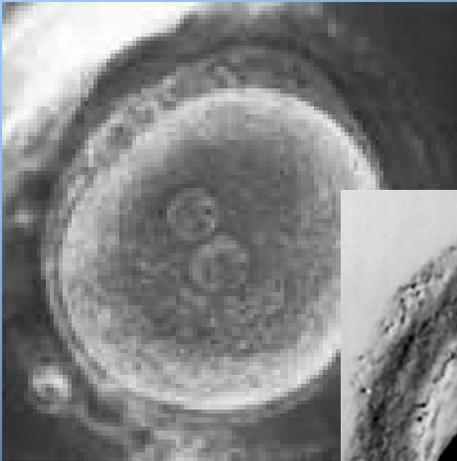
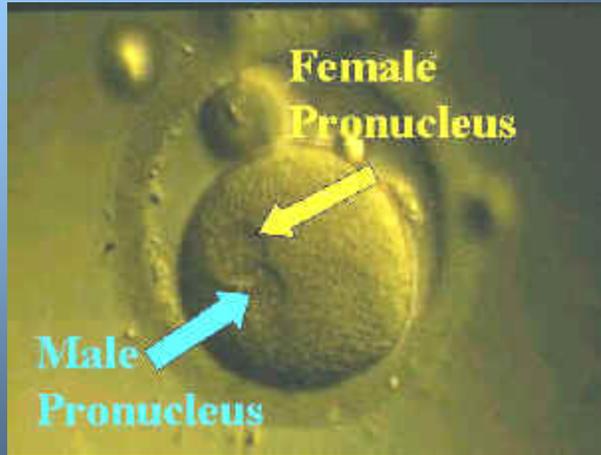
TRENDS in Molecular Medicine

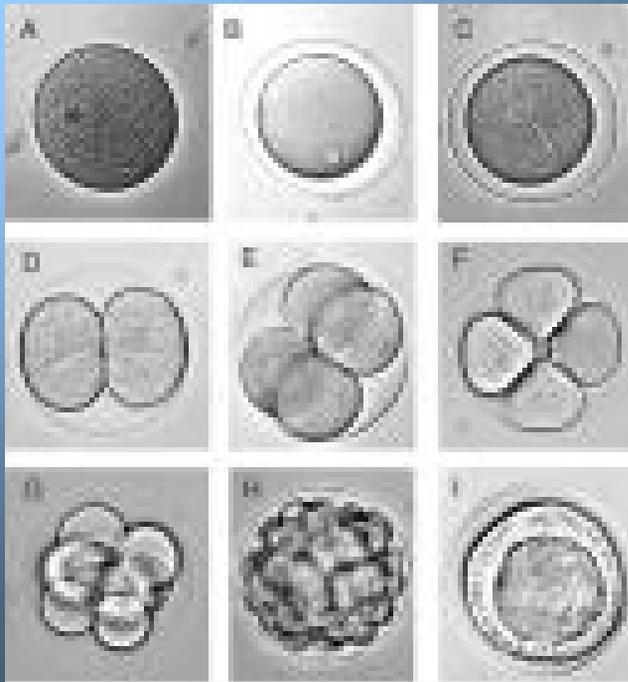
- **Reactivación Meiosis:** completa 2ª división meiotica



- **Reacción Cortical:** modifica ZP, previene poliespermia







Zigoto

Blastómero
s

Mórula

