

DISCLOSURE

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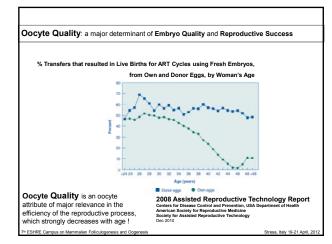
Presentation outline

- 1. Oocyte quality: impact, acquisition and approaches
- 2. Oocyte polarity: a feature of oocyte maturation
- 3. Oocyte polarity: a reflection of oocyte quality?
- 4. Future challenges

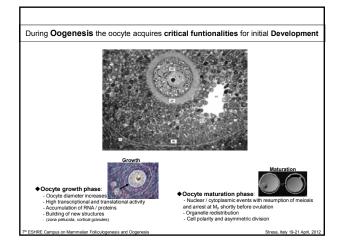
SHRE Campus on Mammalian Folliculogenesis and Oogene

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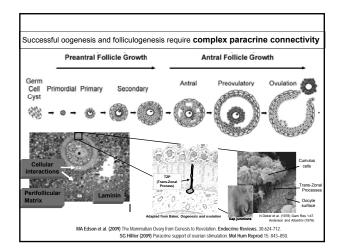
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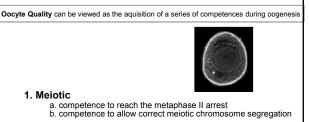












2. Activation competence to fuse with sperm, finish meiosis, block polyspermy, and form pronuclei

3. Developmental

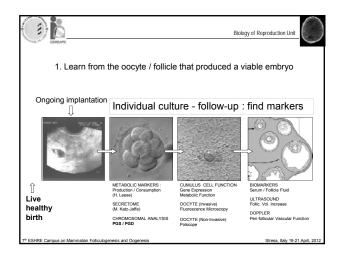
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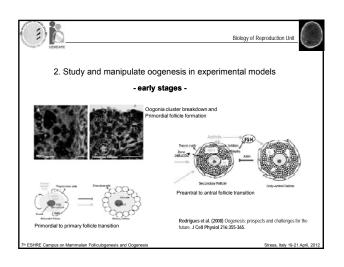
competence to trigger and support embryonic development

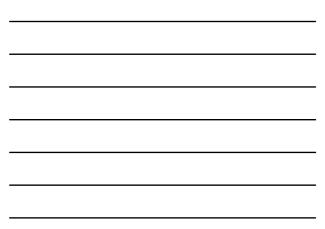
Oocyte Quality is a very complex attribute !
- decreases strongly with age !
and
- depends on the female clinical situation !
- varies within the same egg cohort !
- Can be affected by culture conditions !
However, we infer Oocyte Quality a posteriori
Can we learn to predict Oocyte Quality ?

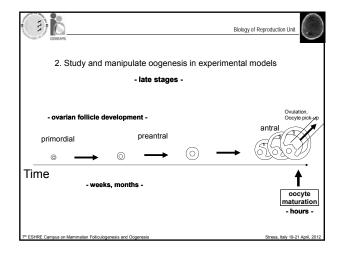
Stresa, Italy 19-21 A







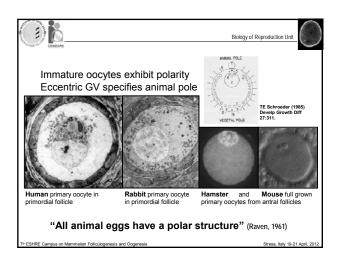




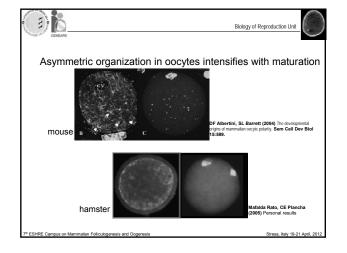


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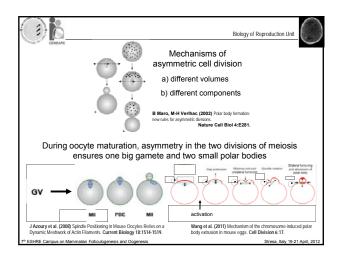
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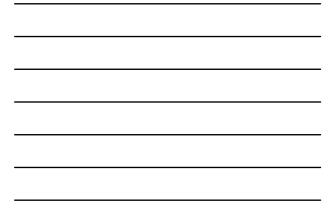


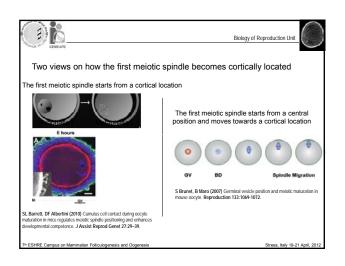




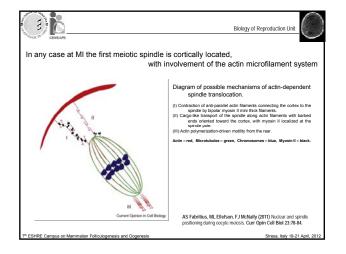




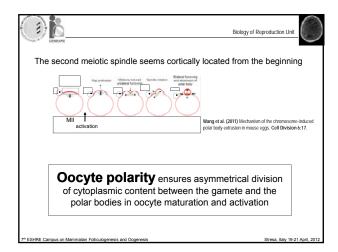


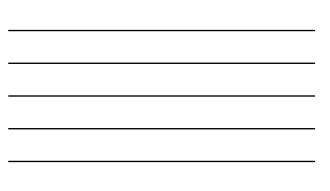






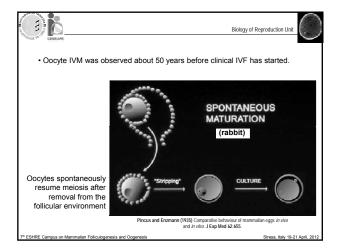




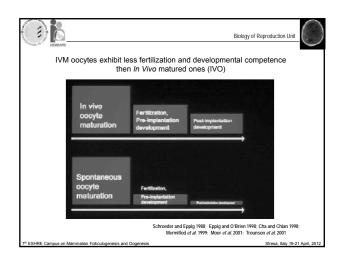


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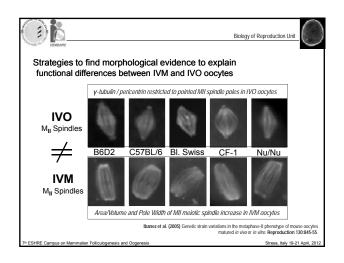
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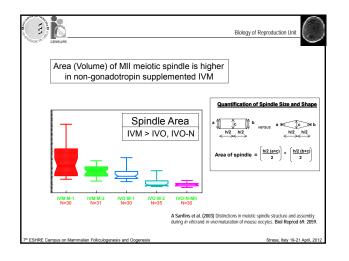




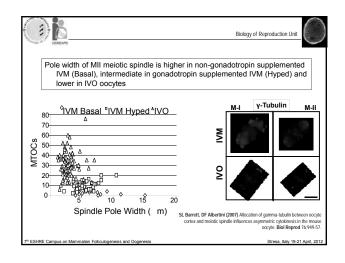


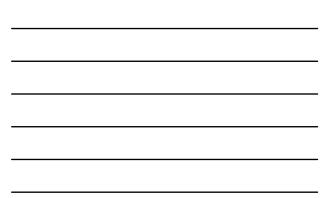


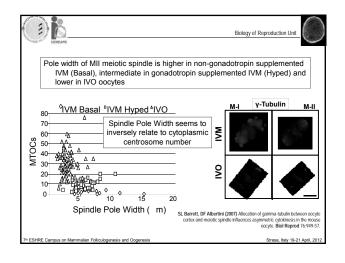




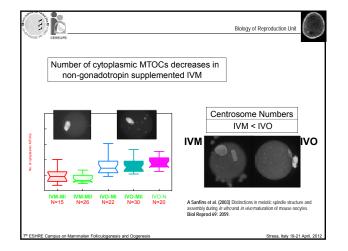


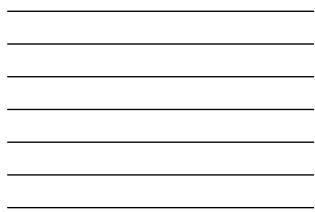


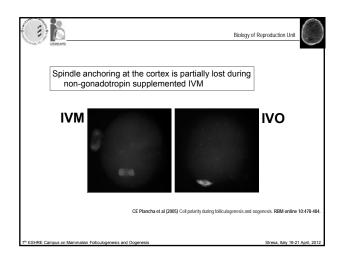




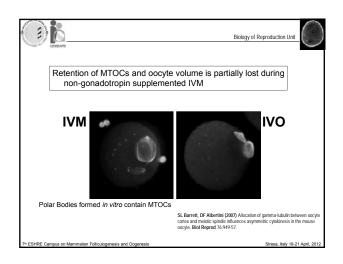




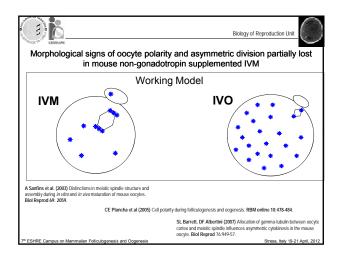




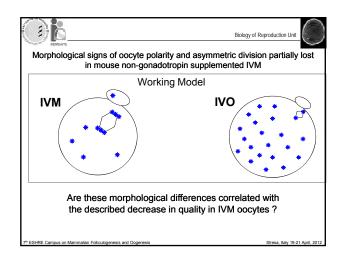




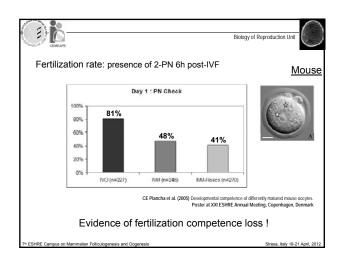




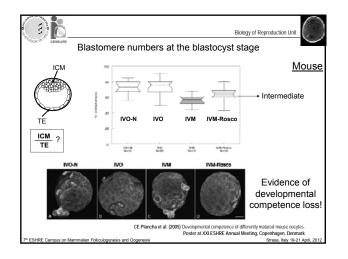




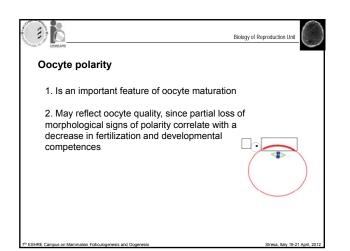








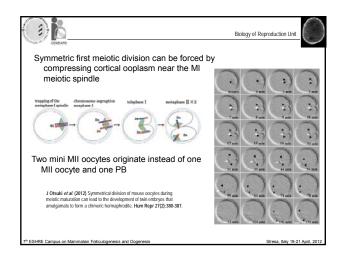




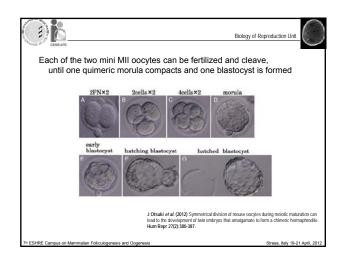
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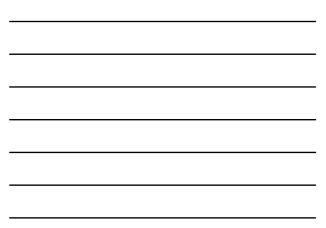
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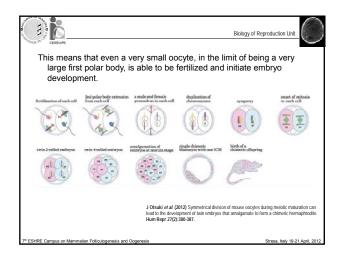
Biology	of Reproduction Unit	\bigcirc
To assess if manipulating polarity in mouse oocyte matur reflect upon the fertilization and developmental competer		
7 th ESHRE Campus on Mammalian Foliculogenesis and Oogenesis	Stresa, Italy 19-21 /	pril, 2012



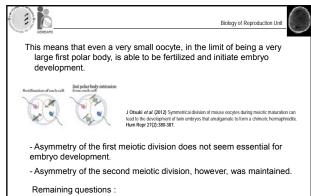




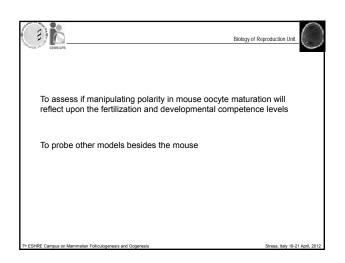


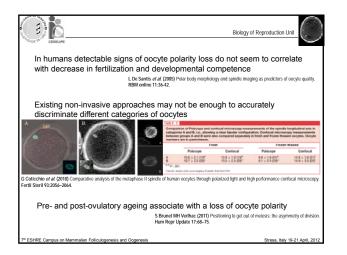




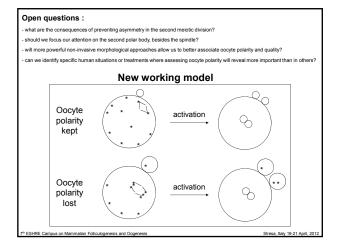


- Remaining questions : - was there a decrease in fertilization and developmental rates? - had zygotes been separated to develop independently, what would these rates be? - what would happen in case we prevent asymmetry of second meiotic division?
 - on Mammalian Folliculogenesis and Oogenesis Stresa, Italy 19-21 April, 20









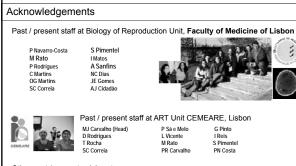


Take-home messages

- 1. Oocyte quality is a relevant property acquired during oogenesis that has remained elusive to predictive studies
- 2. Oocyte polarity is an important feature of oocyte maturation
- 3. Oocyte polarity may reflect oocyte quality, since partial loss of morphological signs of polarity correlate with a decrease in fertilization and developmental competences
- 4. Future studies are needed to assess the value of oocyte polarity as a sign of oocyte quality



3



Other past / present colaborators

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