

PUBBLICAZIONI

1. **Fiorentino G.**, Parrilli A., Garagna S., Zuccotti M. (2021). Three-dimensional imaging and reconstruction of the whole ovary and testis: a new frontier for the reproductive scientist. *Molecular Human Reproduction*, 27(3), gaab007.
2. Coticchio G., **Fiorentino G.**, Nicora G., Sciajno R., Cavalera F., Bellazzi R., Garagna S., Borini A., Zuccotti M. (2021). Cytoplasmic movements of the early human embryo: imaging and artificial intelligence to predict blastocyst development. *Reproductive BioMedicine Online*, 42(3), 521-528. (**First co-author**)
3. Campi G., Nicora G., **Fiorentino G.**, Smith A., Magni F., Garagna S., Zuccotti M., Bellazzi R. (2021). A Topological Data Analysis Mapper of the ovarian folliculogenesis based on MALDI Mass Spectrometry Imaging proteomics. *Lecture Notes in Computer Science*, 12721, 43-47.
4. **Fiorentino G.**, Parrilli A., Garagna S., Zuccotti M. (2020). Three-Dimensional Micro-Computed Tomography of the Adult Mouse Ovary. *Frontiers in Cell and Developmental Biology*, 8, 566152.
5. Ursino E., Albertini A. M., **Fiorentino G.**, Gabrieli P., Scoffone V. C., Pellegrini A., Gasperi G., Di Cosimo A., Barbieri G. (2020). *Bacillus subtilis* as a host for mosquitocidal toxins production. *Microbial biotechnology*, 13(6), 1972–1982.

PRESENTAZIONI A CONGRESSO

1. Parrilli A., **Fiorentino G.**, Garagna S., Zuccotti M. (2021). 3D analysis of the ovarian folliculogenesis. Bruker microCT/XRM User Meeting 2021, 12-13 Ottobre 2021.
2. **Fiorentino G.**, Parrilli A., Garagna S., Zuccotti M. (2021) Micro-Computed Tomography of the adult mouse ovary: an in-silico 3D reconstruction of folliculogenesis. ESHRE virtual 37th Annual Meeting, 28 Giugno - 1 Luglio 2021. (**Relatrice**).
3. **Fiorentino G.**, Parrilli A., Soleymanejadian E., Garagna S., Zuccotti M. (2021) Digital 3D reconstruction of the mouse ovary. 66° convegno GEI-SIBSC, Milano 22 Giugno 2021. (**Relatrice; Best oral presentation award**).
4. **Fiorentino G.**, Parrilli A., Garagna S., Zuccotti M. (2020) 3D micro-Computed Tomography reconstruction of the adult mouse ovary. MyDev 2020 - Webinar, 20 Novembre 2020. (**Relatrice; Best poster award**).
5. **Fiorentino G.**, Smith A., Orellana F., Magni F., Garagna S., Zuccotti M. (2020) MALDI mass spectrometry imaging of the mouse ovarian folliculogenesis. MASSA 2020 VIP - Virtual International Pre-congress, 1 Settembre 2020. (**Relatrice**).
6. Zuccotti M., **Fiorentino G.**, Nicora G., Sciajno R., Cavalera F., Bellazzi R., Borini A., Garagna S., Coticchio G. (2020) Prediction of oocyte and embryo competence by advanced image analysis and AI. 36th Annual Meeting of the ESHRE - Virtual meeting, 5-8 Luglio 2020.
7. **Fiorentino G.**, Garagna S., Zuccotti M. (2020) Three-dimensional computed tomography of the mouse ovary. 3rd Joint Symposium "Life Science 2020" - Pavia, 19-21 Febbraio 2020. (**Relatrice**).
8. Coticchio G., Sciajno R., **Fiorentino G.**, Cavalera F., Nicora G., Bellazzi R., Borini A., Garagna S., Zuccotti M. (2019) Artificial neural-network analysis combined with time-lapse imaging predicts embryo ability to develop to the blastocyst stage. 75th Scientific Congress of the American-Society-for-Reproductive-Medicine (ASRM). Philadelphia, Pennsylvania, 12-16 Ottobre 2019. *Fertility and Sterility*, 112(3), e273-e274.
9. Zuccotti M., Coticchio G., **Fiorentino G.**, Cavalera F., Nicora G., Bellazzi R., Sciajno R., Borini A., Garagna S. (2019) Time-Lapse imaging combined with artificial neural-network analysis predicts oocytes and preimplantation embryos developmental competence. 65° Convegno GEI-SIBSC, Ancona 24-27 Giugno 2019.
10. Ursino E., Barbieri G., Gabrieli P., **Fiorentino G.**, Mamberti S., Gasperi G., Albertini A.M., 2017: Expression of *Bacillus thuringiensis israelensis* toxin genes in *Bacillus subtilis* for tiger mosquito control. 19th International Conference on Bacilli & Gram - Positive Bacteria, Berlino, 11-15 June 2017.
11. Mamberti S., Ursino E., Barbieri G., Gabrieli P., **Fiorentino G.**, Leonardi C., Tosini G., Gasperi G., Albertini A.M., 2017: Identification of new bacterial species with insecticidal activities towards *Aedes albopictus* larvae. 3rd International Workshop on *Aedes albopictus*, the Asian tiger mosquito, Pavia, 10-12 April 2017.