



3rd International Conference on

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Title: Science, technology and IVF

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Abstract

In the last decade scientific advancements and new technologies have been introduced into the field of In-Vitro Fertilization. These concepts have made IVF less of an art and brought it closer to evidence-based medicine. We will present some of these developments along with their practical, as well as theoretical, limitations. In conclusion, we will address the question of whether we should expect perpetual improvements in IVF due to the progress in science and technology.

Biography

Tsafir Kolatt is a co-founder and the CEO of Fertigo Medical, a company devoted to increase the success rate in In-vitro Fertilization procedures.

Prior to that Kolatt has led a few medical device and bio-medical companies, private and public, where he developed and brought to market new, successful devices for both therapy and diagnosis.

Dr. Kolatt got his Ph.D. in theoretical astrophysics from the Hebrew University in Jerusalem and was a researcher at Harvard University and UCSC. Kolatt published a few books, dozens of scientific papers, issued patents and many popular articles. He won numerous scholarships and prizes for research, innovative product development, poetry and playwriting. He also serves as the chairperson of IYAR – the Israeli Institute for Advanced Research.

Recent publication:

1. Kolatt, T. S. et al. Revealing the uterine blood vessel network via virtual pathology. *Reprod. Fertil.* 4, (2023).
2. "In-Vivo Endometrial Dating Utilizing Histology By Imaging", Kolatt, T., et al., 2018, International Summit on Assisted Reproduction and Genetics (SARG)
3. "Night-Time Ground Hyperspectral Imaging for Urban-Scale Remote Sensing of Ambient PM—Modal Concentrations Retrieval", Etzion, Y. Kolatt, T., Shoshany, M. & Broday, D., 2014, *Environ. Sci. Technol.*, 48 (3), pp 1787–1794
4. "Accuracy of Pitch Matching Significantly Improved by Live Voice Model", Granot, R. Israel-Kolatt, R. Gilboa, A. Kolatt, T., 2013, *Journal of Voice* 27 (3)

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