

CHRISTIAN S. OTTOLINI
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Personal Information:

Nationality: Australia and UK
Residence: Italy

Education and Qualifications:

Diplomat of Royal College of Pathologists (DipRCPath, Reproductive Biology) – 2021

Royal College of Pathologists, UK

PhD (Genetics) – 2015

University of Kent, Canterbury, UK

Bachelor of Science (Human Biology) – 2005

University of Western Australia, Perth, Australia

Employment History

Juno Genetics

Head of Embryology

Rome, Italy

[March 2023 – December 2025]

The Evewell (Group)

Laboratory Director and Person Responsible to the HFEA

London, UK

[June 2018 – February 2023]

The London Women's Clinic

Senior Embryologist and Laboratory Manager for Preimplantation Genetics

London, UK

[September 2015 – May 2018]

The Bridge Centre

Senior Embryologist and Laboratory Manager for Preimplantation Genetics

London, UK

[October 2009 – May 2018]

PIVET Medical Centre

Clinical Embryologist

Perth, Western Australia

[January 2006 – October 2009]

Academic Affiliation History

University College London

Honorary Research Fellow, Department of Maternal and Foetal Medicine

London, UK

[April 2021 – Current]

University of Kent

Honorary Lecturer, School of Biosciences

Canterbury, Kent, UK

Profile

Dr Ottolini is a senior clinical embryologist and reproductive geneticist with extensive international leadership experience across Italy, the United Kingdom, and Australia. His career spans IVF laboratory practice, preimplantation genetics, and translational research focused on embryo aneuploidy and its clinical implications. He previously served as a Laboratory Director and HFEA Person Responsible in the UK, where he was responsible for laboratory governance,

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quality systems, and clinical risk management in high-throughput assisted reproduction settings. Alongside his clinical leadership, he holds honorary academic appointments and is actively engaged in international collaborative research exploring the biological origins and clinical relevance of chromosomal errors in early human development. He is frequently invited to speak at national and international scientific meetings and professional training programmes, contributing to education, knowledge exchange, and the promotion of evidence-based standards in reproductive medicine.

Relevant Publications

Bibliometrics: H-index 17 (Google Scholar, Jan 2026)

Peer-reviewed journals

1. Gill P, Tao X, Zhan Y, Mulas F, **Ottolini CS**, Picchetta L, Caroselli S, Babariya D, Wells D, Clark G, Fernandez Marcos E, Marin Vallejo C, Jobanputra V, Werner M, Scott R, Molinaro T, Pla Victori J, Vergara Bravo V, Requena Miranda A, García Velasco JA, Pellicer A, Mounts E, Jalas C, Capalbo A. *Preimplantation genetic testing for aneuploidy mosaicism reporting lacks clinical predictive value for live birth in a multisite, double-blinded study with independent validation*. Am J Obstet Gynecol. 2025 Dec 16:S0002-9378(25)00930-5. doi: 10.1016/j.ajog.2025.12.033. Epub ahead of print.
2. Picchetta L, **Ottolini CS**, Tao X, Zhan Y, Jobanputra V, Vallejo CM, Mulas F, Paraboschi EM, Escribá Pérez MJ, Molinaro T, Whitehead C, Gill P, Mounts E, Babariya D, Rienzi LF, Ubaldi FM, Garcia-Velasco JA, Pellicer A, Carmi S, Hoffmann ER, Capalbo A. *Maternal age and genome-wide failure of meiotic recombination are associated with triploid conceptions in humans*. Am J Hum Genet. 2025 Nov 6;112(11):2665–2678. doi: 10.1016/j.ajhg.2025.09.014. Epub 2025 Oct 14.
3. Capalbo A, Sparks AET, Babariya D, Ball GD, Paraboschi EM, **Ottolini CS**. *Ongoing surveillance of analytical platforms in preimplantation genetic testing: phase 4*. Fertil Steril. 2025 Nov 1;124(5 Pt 1):860–869. doi: 10.1016/j.fertnstert.2025.05.158.
4. Popa T, Davis C, Xanthopoulou L, Bakosi E, He C, O'Neill H, **Ottolini CS**. *Current quantitative methodologies for preimplantation genetic testing frequently misclassify meiotic aneuploidies as mosaic*. Fertil Steril. 2025 Aug;124(2):307–318. doi: 10.1016/j.fertnstert.2025.02.018. Epub 2025 Feb 15.
5. Capalbo A, Cimadomo D, Coticchio G, **Ottolini CS**. *An expert opinion on rescuing atypically pronucleated human zygotes by molecular genetic fertilization checks in IVF*. Hum Reprod. 2024 Sep 1;39(9):1869–1878. doi: 10.1093/humrep/deae157.
6. McCoy RC, Summers MC, McCollin A, **Ottolini CS**, Ahuja K, Handyside AH. *Meiotic and mitotic aneuploidies drive arrest of in vitro fertilized human preimplantation embryos*. Genome Med. 2023 Oct 2;15(1):77. doi: 10.1186/s13073-023-01231-1.

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7. Picchetta L, **Ottolini CS**, O'Neill HC, Capalbo A. *Investigating the significance of segmental aneuploidy findings in preimplantation embryos*. F S Sci. 2023 May;4(2S):17–26. doi: 10.1016/j.xfss.2023.03.004.
8. **Ottolini CS**, Kitchen J, Xanthopoulou L, Gordon T, Summers MC, Handyside AH. *Tripolar mitosis and partitioning of the genome arrests human preimplantation development in vitro*. Sci Rep. 2017 Aug 29;7(1):9744. doi: 10.1038/s41598-017-09693-1.
9. Forte M, Faustini F, Maggiulli R, Scarica C, Romano S, **Ottolini C**, Farcomeni A, Palagiano A, Capalbo A, Ubaldi FM, Rienzi L. *Electronic witness system in IVF – Patients perspective*. J Assist Reprod Genet. 2016 Sep;33(9):1215–22. doi: 10.1007/s10815-016-0759-4.
10. **Ottolini CS**, Capalbo A, Newnham L, Cimadomo D, Natesan SA, Hoffmann ER, Ubaldi FM, Rienzi L, Handyside AH. *Generation of meiomaps of genome-wide recombination and chromosome segregation in human oocytes*. Nat Protoc. 2016 Jul;11(7):1229–1243. doi: 10.1038/nprot.2016.075.
11. Capalbo A, **Ottolini CS***, Griffin DK, Ubaldi FM, Handyside AH, Rienzi L. *Artificial oocyte activation with calcium ionophore does not cause a widespread increase in chromosome segregation errors in the second meiotic division of the oocyte*. Fertil Steril. 2016 Mar;105(3):807–814.e2.
*Joint First Author
12. **Ottolini CS**, Newnham LJ, Capalbo A, Natesan SA, Joshi HA, Cimadomo D, Griffin DK, Sage K, Summers MC, Thornhill AR, Housworth E, Herbert AD, Rienzi L, Ubaldi FM, Handyside AH, Hoffmann ER. *Genome-wide maps of recombination and chromosome segregation in human oocytes and embryos show selection for maternal recombination rates*. Nat Genet. 2015 Jul;47(7):727–735.
13. **Ottolini C**, Rienzi L, Capalbo A. *A cautionary note against embryo aneuploidy risk assessment using time-lapse imaging*. Reprod Biomed Online. 2014 Mar;28(3):273–275.

Referees

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