

CURRICULUM VITAE di:

Nominativo	GUIDO MACCHIARELLI
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Posizione accademica

Macrosettore:	05/H
Settore Concorsuale:	05/H1
Settore Scientifico Disciplinare:	BIO/16
Qualifica:	PO
Anzianità nel ruolo:	dal 01/11/2000 (Straordinario) dal 01/11/2003 (Ordinario)
Sede Universitaria:	Università degli Studi dell'Aquila
Struttura di afferenza (Dipartimento o altro)	Medicina Clinica, Sanità Pubblica, Scienze della Vita e dell'Ambiente

Posizioni ricoperte precedentemente nel medesimo ateneo o in altri

Periodo	Fascia	Ateneo
1998-2000	Ricercatore	Università di Roma La Sapienza
1999-1997	Funzionario Tecnico VIII Liv.	Università di Roma La Sapienza

Publicazioni Scientifiche da Scopus - 02 Maggio 2019
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n. progr.	anno	Descrizione pubblicazione
1.	2019	Rossi, G., Di Nisio, V., Macchiarelli, G., Nottola, S.A., Halvaei, I., De Santis, L., Ceconi, S. Technologies for the production of fertilizable mammalian oocytes (2019) Applied Sciences (Switzerland), 9 (8), art. no. 1536, .
2.	2019	Belli, M., Zhang, L., Liu, X., Donjacour, A., Ruggeri, E., Palmerini, M.G., Nottola, S.A., Macchiarelli, G., Rinaudo, P. Oxygen concentration alters mitochondrial structure and function in in vitro fertilized preimplantation mouse embryos (2019) Human Reproduction, 34 (4), pp. 601-611.
3.	2019	Mangoli, E., Khalili, M.A., Eftekhari, M., Macchiarelli, G., Palmerini, M.G. First successful live birth following the use of MSOME and time lapse for sperm and embryo selections in a patient with severe male factor infertility: A case report (2019) Journal of Gynecology Obstetrics and Human Reproduction, . 2

4.	2019	Bernardi, S., Bianchi, S., Fantozzi, G., Leuter, C., Continenza, M.A., Macchiarelli, G. Morphometric study on single-root premolars in a European population sample: An update on lengths and diameters (2019) <i>European Journal of Anatomy</i> , 23 (1), pp. 17-25.
5.	2019	Bernardi, S., Mummolo, S., Varvara, G., Marchetti, E., Continenza, M.A., Marzo, G., Macchiarelli, G. Bio-morphological evaluation of periodontal ligament fibroblasts on mineralized dentin graft: An in vitro study (2019) <i>Journal of Biological Regulators and Homeostatic Agents</i> , 33 (1), pp. 275-280.
6.	2019	Antonouli, S., Papatheodorou, A., Panagiotidis, Y., Petousis, S., Prapas, N., Nottola, S.A., Palmerini, M.G., Macchiarelli, G., Prapas, Y. The impact of sperm DNA fragmentation on ICSI outcome in cases of donated oocytes (2019) <i>Archives of Gynecology and Obstetrics</i> ,
7.	2018	Taghizabet, N., Khalili, M.A., Anbari, F., Agha-Rahimi, A., Nottola, S.A., Macchiarelli, G., Palmerini, M.G. Human cumulus cell sensitivity to vitrification, an ultrastructural study (2018) <i>Zygote</i> , 26 (3), pp. 224-231.
8.	2018	Bernardi, S., Bianchi, S., Botticelli, G., Rastelli, E., Tomei, A.R., Palmerini, M.G., Continenza, M.A., Macchiarelli, G. Scanning electron microscopy and microbiological approaches for the evaluation of salivary microorganisms behaviour on anatase titanium surfaces: In vitro study (2018) <i>Morphologie</i> , 102 (336), pp. 1-6.
9.	2018	Zeka, K., Ruparelia, K.C., Sansone, C., Macchiarelli, G., Continenza, M.A., Arroo, R.R.J. New Hydrogels Enriched with Antioxidants from Saffron Crocus Can Find Applications in Wound Treatment and/or Beautification (2018) <i>Skin Pharmacology and Physiology</i> , 31 (2), pp. 95-98.
10.	2018	Di Nisio, V., Rossi, G., Iorio, R., Pellegrini, C., Macchiarelli, G., Tiboni, G.M., Petricca, S., Cecconi, S. VEGFR2 expression is differently modulated by parity and nulliparity in mouse ovary (2018) <i>BioMed Research International</i> , 2018, art. no. 6319414
11.	2018	Bernardi, S., Bianchi, S., Continenza, M.A., Pinchi, V., Macchiarelli, G. Morphological study of the labial grooves' pattern in an Italian population (2018) <i>Australian Journal of Forensic Sciences</i> ,
12.	2018	Zhurabekova, G., Balmagambetova, A., Bianchi, S., Belli, M., Bekmukhambetov, Y., Macchiarelli, G. The toxicity of lindane in the female reproductive system: A review on the aral sea (2018) <i>EuroMediterranean Biomedical Journal</i> , 13 (24), pp. 104-108.
13.	2018	Di Nisio, V., Rossi, G., Palmerini, M.G., Macchiarelli, G., Tiboni, G.M., Cecconi, S. Increased rounds of gonadotropin stimulation have side effects on mouse fallopian tubes and oocytes (2018) <i>Reproduction</i> , 155 (3), pp. 245-250.
14.	2018	Giusti, I., Di Francesco, M., D'Ascenzo, S., Palmerini, M.G., Macchiarelli, G., Carta, G., Dolo, V. Ovarian cancer-derived extracellular vesicles affect normal human fibroblast behavior (2018) <i>Cancer Biology and Therapy</i> , 19 (8), pp. 722-734.
15.	2018	Palmerini, M.G., Belli, M., Nottola, S.A., Miglietta, S., Bianchi, S., Bernardi, S., Antonouli, S., Cecconi, S., Familiari, G., Macchiarelli, G. Mancozeb impairs the ultrastructure of mouse granulosa cells in a dose-dependent manner (2018) <i>Journal of Reproduction and Development</i> , 64 (1), pp. 75-82.
16.	2017	Bernardi, S., Bianchi, S., Continenza, M.A., Macchiarelli, G. Frequency and anatomical features of the mandibular lingual foramina: systematic review and meta-analysis (2017) <i>Surgical and Radiologic Anatomy</i> , 39 (12), pp. 1349-1357.
17.	2017	Palmerini, M.G., Zhurabekova, G., Balmagambetova, A., Nottola, S.A., Miglietta, S., Belli, M., Bianchi, S., Cecconi, S., Di Nisio, V., Familiari, G., Macchiarelli, G. The pesticide Lindane induces dose-dependent damage to granulosa cells in an in vitro culture (2017) <i>Reproductive Biology</i> , 17 (4), pp. 349-356.
18.	2017	Khalili, M.A., Shahedi, A., Ashourzadeh, S., Nottola, S.A., Macchiarelli, G., Palmerini, M.G. Vitrification of human immature oocytes before and after in vitro maturation: a review (2017) <i>Journal of Assisted Reproduction and Genetics</i> , 34 (11), pp. 1413-1426.

19.	2017	Taherzadeh, S., Ali Khalili, M., Agha-Rahimi, A., Anbari, F., Ghazali, S., MacChiarelli, G. Vitrification increased vacuolization of human spermatozoa: Application of MSOME technology (2017) <i>Journal of Reproduction and Infertility</i> , 18 (2), pp. 225-230.
20.	2016	Palmerini, M.G., Nottola, S.A., Tunjung, W.A.S., Kadowaki, A., Bianchi, S., Cecconi, S., Sato, E., Macchiarelli, G. EGF-FSH supplementation reduces apoptosis of pig granulosa cells in co-culture with cumulus-oocyte complexes (2016) <i>Biochemical and Biophysical Research Communications</i> , 481 (1-2), pp. 159-164.
21.	2016	Nottola, S.A., Albani, E., Coticchio, G., Palmerini, M.G., Lorenzo, C., Scaravelli, G., Borini, A., Levi-Setti, P.E., Macchiarelli, G. Freeze/thaw stress induces organelle remodeling and membrane recycling in cryopreserved human mature oocytes (2016) <i>Journal of Assisted Reproduction and Genetics</i> , 33 (12), pp. 1559-1570.
22.	2015	Iorio, R., Castellucci, A., Rossi, G., Cinque, B., Cifone, M.G., Macchiarelli, G., Cecconi, S. Mancozeb affects mitochondrial activity, redox status and ATP production in mouse granulosa cells (2015) <i>Toxicology in Vitro</i> , 30 (1), pp. 438-445.
23.	2015	Bianchi, S., Macchiarelli, G., Micara, G., Linari, A., Boninsegna, C., Aragona, C., Rossi, G., Cecconi, S., Nottola, S.A. Ultrastructural markers of quality are impaired in human metaphase II aged oocytes: a comparison between reproductive and in vitro aging (2015) <i>Journal of Assisted Reproduction and Genetics</i> , 32 (9), pp. 1343-1358.
24.	2015	Coticchio, G., Dal Canto, M., Fadini, R., Renzini, M.M., Guglielmo, M.C., Miglietta, S., Palmerini, M.G., Macchiarelli, G., Nottola, S.A. Ultrastructure of human oocytes after in vitro maturation (2015) <i>Molecular Human Reproduction</i> , 22 (2), art. no. gav071, pp. 110-118.
25.	2015	Leoni, G.G., Palmerini, M.G., Satta, V., Succu, S., Pasciu, V., Zinellu, A., Carru, C., Macchiarelli, G., Nottola, S.A., Naitana, S., Berlinguer, F. Differences in the kinetic of the first meiotic division and in active mitochondrial distribution between prepubertal and adult oocytes mirror differences in their developmental competence in a sheep model (2015) <i>PLoS ONE</i> , 10 (4), art. no. 0124911,
26.	2015	Macchiarelli, G., Grazia Palmerini, M., Annarita Nottola, S. Scanning electron microscopy of blood vascular corrosion casts in mammals (2015) <i>Handbook of Vascular Biology Techniques</i> , pp. 153-171.
27.	2014	Placidi, G., Avola, D., Cinque, L., Macchiarelli, G., Petracca, A., Spezialetti, M. Adaptive sampling and non linear reconstruction for cardiac magnetic resonance imaging (2014) <i>Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)</i> , 8641 LNCS, pp. 24-35.
28.	2014	Iorio, R., Castellucci, A., Ventriglia, G., Teoli, F., Cellini, V., Macchiarelli, G., Cecconi, S. Ovarian toxicity: From environmental exposure to chemotherapy (2014) <i>Current Pharmaceutical Design</i> , 20 (34), pp. 5388-5397.
29.	2014	Landro, D., Stifano, G., De Gasperis, G., Macchiarelli, G. An adaptive learning agent integrated in a collaborative portal for advanced training in the biomedical field (2014) <i>FUSION 2014 - 17th International Conference on Information Fusion</i> , art. no. 6916031, .
30.	2014	Bianchi, V., Macchiarelli, G., Borini, A., Lappi, M., Cecconi, S., Miglietta, S., Familiari, G., Nottola, S.A. Fine morphological assessment of quality of human mature oocytes after slow freezing or vitrification with a closed device: A comparative analysis (2014) <i>Reproductive Biology and Endocrinology</i> , 12 (1), art. no. 110,
31.	2014	Cecconi, S., Rossi, G., Deldar, H., Cellini, V., Patacchiola, F., Carta, G., Macchiarelli, G., Canipari, R. Post-ovulatory ageing of mouse oocytes affects the distribution of specific spindle-associated proteins and Akt expression levels (2014) <i>Reproduction, Fertility and Development</i> , 26 (4), pp. 562-569.
32.	2014	Landro, D., De Gasperis, G., Macchiarelli, M.D.G. A collaborative distance learning portal integrating 3D virtual labs in biomedicine (2014) <i>Advances in Intelligent Systems and Computing</i> , 292, pp. 149-156.

33.	2014	Palmerini, M.G., Nottola, S.A., Leoni, G.G., Succu, S., Borshi, X., Berlinguer, F., Naitana, S., Bekmukhambetov, Y., Macchiarelli, G. In vitro maturation is slowed in prepubertal lamb oocytes: ultrastructural evidences (2014) <i>Reproductive biology and endocrinology : RB&E</i> , 12, p. 115.
34.	2014	Palmerini, M.G., Antinori, M., Maione, M., Cerusico, F., Versaci, C., Nottola, S.A., Macchiarelli, G., Khalili, M.A., Antinori, S. Ultrastructure of immature and mature human oocytes after cryotop vitrification (2014) <i>Journal of Reproduction and Development</i> , 60 (6), pp. 411-420.
35.	2013	Landro, D., De Gasperis, G., Macchiarelli, G. Collaborative system for web seminars, distance learning sessions and virtual labs in biomedicine (2013) <i>International Journal of Technology Enhanced Learning</i> , 5 (3-4), pp. 198-212.
36.	2013	Bianchi, S., Macchiarelli, G., Micara, G., Aragona, C., Maione, M., Nottola, S.A. Ultrastructural and morphometric evaluation of aged cumulus-oocyte- complexes (2013) <i>Italian Journal of Anatomy and Embryology</i> , 118 (2 SUPPL), art. no. 28,
37.	2013	Khalili, M.A., Nottola, S.A., Shahedi, A., Macchiarelli, G. Contribution of human oocyte architecture to success of in vitro maturation technology (2013) <i>Iranian Journal of Reproductive Medicine</i> , 11 (1), pp. 1-10.
38.	2013	Macchiarelli, G., Palmerini, M.G., Nottola, S.A., Cecconi, S., Tanemura, K., Sato, E. Restoration of corpus luteum angiogenesis in immature hypothyroid rdw rats after thyroxine treatment: Morphologic and molecular evidence (2013) <i>Theriogenology</i> , 79 (1), pp. 116-126.
39.	2012	Khalili, M.A., Maione, M., Palmerini, M.G., Bianchi, S., Macchiarelli, G., Nottola, S.A. Ultrastructure of human mature oocytes after vitrification. (2012) <i>European journal of histochemistry : EJH</i> , 56 (3), .
40.	2011	Benedicto, H.G., Bombonato, P.P., Macchiarelli, G., Stifano, G., Prado, I.M. Structural arrangement of the cardiac collagen fibers of healthy and diabetic dogs (2011) <i>Microscopy Research and Technique</i> , 74 (11), pp. 1018-1023.
41.	2011	Nottola, S.A., Cecconi, S., Bianchi, S., Motta, C., Rossi, G., Continenza, M.A., Macchiarelli, G. Ultrastructure of isolated mouse ovarian follicles cultured in vitro (2011) <i>Reproductive Biology and Endocrinology</i> , 9, art. no. 3, .
42.	2011	Palumbo, P., Cinque, B., Miconi, G., La Torre, C., Zoccali, G., Vrentzos, N., Vitale, A.R., Leocata, P., Lombardi, D., Lorenzo, C., D'Angelo, B., Macchiarelli, G., Cimini, A., Cifone, M.G., Giuliani, M. Biological effects of low frequency high intensity ultrasound application on ex vivo human adipose tissue (2011) <i>International Journal of Immunopathology and Pharmacology</i> , 24 (2), pp. 411-422.
43.	2010	Macchiarelli, G., Nottola, S.A., Palmerini, M.G., Bianchi, S., Maione, M., Lorenzo, C., Stifano, G., Marco, E.D., Correr, S. Morphological expression of angiogenesis in the mammalian ovary as seen by SEM of corrosion casts (2010) <i>Italian Journal of Anatomy and Embryology</i> , 115 (1-2), pp. 109-114.
44.	2010	Palumbo, P., Melchiorre, E., La Torre, C., Miconi, G., Cinque, B., Marchesani, G., Zoccali, V.G., Malone, M., Macchiarelli, G., Vitale, A.R., Leocata, P., Cifone, M.G., Giuliani, M. Effects of phosphatidylcholine and sodium deoxycholate on human primary adipocytes and fresh human adipose tissue (International Journal of Immunopathology and Pharmacology 23, 2, (481)) (2010) <i>International Journal of Immunopathology and Pharmacology</i> , 23 (3), p. 970.
45.	2010	Placidi, G., Cifone, M.G., Cinque, B., Franchi, D., Giuliani, M., La Torre, C., Macchiarelli, G., Maglione, M., Maurizi, A., Miconi, G., Sotgiu, A. Numerical methods for the semi-automatic analysis of multimodal wound healing images(2010) <i>Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)</i> , 6026 LNCS, pp. 151-162.
46.	2010	Coticchio, G., Borini, A., Distratis, V., Maione, M., Scaravelli, G., Bianchi, V., Macchiarelli, G., Nottola, S.A. Qualitative and morphometric analysis of the ultrastructure of human oocytes cryopreserved by two alternative slow cooling protocols (2010) <i>Journal of Assisted Reproduction and Genetics</i> , 27 (4), pp. 131-140.

47.	2010	Cecconi, S., Rossi, G., Santilli, A., Di Stefano, L., Hoshino, Y., Sato, E., Palmerini, M.G., Macchiarelli, G. Akt expression in mouse oocytes matured in vivo and in vitro (2010) <i>Reproductive BioMedicine Online</i> , 20 (1), pp. 35-41
48.	2010	Palumbo, P., Melchiorre, E., La Torre, C., Miconi, G., Cinque, B., Marchesani, G., Zoccali, V.G., Maione, M., Macchiarelli, G., Vitale, A.R., Leocata, P., Cifone, M.G., Giuliani, M. Effects of phosphatidylcholine and sodium deoxycholate on human primary adipocytes and fresh human adipose tissue (2010) <i>International Journal of Immunopathology and Pharmacology</i> , 23 (2), pp. 481-489.
49.	2009	Martelli, A., Russo, V., Palmerini, M.G., Mauro, A., Rinaldi, C., Di Giacinto, O., Nardinocchi, D., Turriani, M., Macchiarelli, G., Berardinelli, P., Mattioli, M. Three-dimensional microvasculature remodeling study of pig periovulatory follicles using vascular corrosion casts (2009) <i>Veterinary Research Communications</i> , 33 (SUPPL. 1), pp. S97-S100.
50.	2009	Martelli, A., Palmerini, M.G., Russo, V., Rinaldi, C., Bernabò, N., Di Giacinto, O., Berardinelli, P., Nottola, S.A., Macchiarelli, G., Barboni, B. Blood vessel remodeling in pig ovarian follicles during the periovulatory period: an immunohistochemistry and SEM-corrosion casting study. (2009) <i>Reproductive biology and endocrinology : RB&E</i> , 7, p. 72.
51.	2009	Nottola, S.A., Cotichio, G., Sciajno, R., Gambardella, A., Maione, M., Scaravelli, G., Bianchi, S., Macchiarelli, G., Borini, A. Ultrastructural markers of quality in human mature oocytes vitrified using cryoleaf and cryoloop (2009) <i>Reproductive BioMedicine Online</i> , 19 (SUPPL. 3), pp. 17-27.
52.	2008	Jiang, J.-Y., Miyabayashi, K., Nottola, S.A., Umezu, M., Cecconi, S., Sato, E., Macchiarelli, G. Thyroxine treatment stimulated ovarian follicular angiogenesis in immature hypothyroid rats (2008) <i>Histology and Histopathology</i> , 23 (11), pp. 1387-1398.
53.	2008	Nottola, S.A., Camboni, A., Van Langendonck, A., Demylle, D., Macchiarelli, G., Dolmans, M.-M., Martinez-Madrid, B., Correr, S., Donnez, J. Cryopreservation and xenotransplantation of human ovarian tissue: an ultrastructural study (2008) <i>Fertility and Sterility</i> , 90 (1), pp. 23-32.
54.	2008	Nottola, S.A., Cotichio, G., de Santis, L., Macchiarelli, G., Maione, M., Bianchi, S., Iaccarino, M., Flamigni, C., Borini, A. Ultrastructure of human mature oocytes after slow cooling cryopreservation with ethylene glycol (2008) <i>Reproductive BioMedicine Online</i> , 17 (3), pp. 368-377.
55.	2007	Cecconi, S., Paro, R., Rossi, G., Macchiarelli, G. The effects of the endocrine disruptors dithiocarbamates on the mammalian ovary with particular regard to mancozeb (2007) <i>Current Pharmaceutical Design</i> , 13 (29), pp. 2989-3004.
56.	2007	Intrigila, B., Melatti, I., Tofani, A., Macchiarelli, G. Computational models of myocardial endomysial collagen arrangement (2007) <i>Computer Methods and Programs in Biomedicine</i> , 86 (3), pp. 232-244.
57.	2007	Nottola, S.A., Macchiarelli, G., Cotichio, G., Bianchi, S., Cecconi, S., De Santis, L., Scaravelli, G., Flamigni, C., Borini, A. Ultrastructure of human mature oocytes after slow cooling cryopreservation using different sucrose concentrations (2007) <i>Human Reproduction</i> , 22 (4), pp. 1123-1133.
58.	2006	Rossi, G., Palmerini, M.G., Macchiarelli, G., Buccione, R., Cecconi, S. Mancozeb adversely affects meiotic spindle organization and fertilization in mouse oocytes (2006) <i>Reproductive Toxicology</i> , 22 (1), pp. 51-55.
59.	2006	Macchiarelli, G., Jiang, J.-Y., Nottola, S.A., Sato, E. Morphological patterns of angiogenesis in ovarian follicle capillary networks. A scanning electron microscopy study of corrosion cast (2006) <i>Microscopy Research and Technique</i> , 69 (6), pp. 459-468.
60.	2006	Nottola, S.A., Macchiarelli, G. Structural bases of the ovarian function: An introduction (2006) <i>Microscopy Research and Technique</i> , 69 (6), pp. 384-385.
61.	2006	Nottola, S.A., Heyn, R., Camboni, A., Correr, S., Macchiarelli, G. Ultrastructural characteristics of human granulosa cells in a coculture system for in vitro fertilization (2006) <i>Microscopy Research and Technique</i> , 69 (6), pp. 508-516

62.	2006	Rossi, G., Buccione, R., Baldassarre, M., MacChiarelli, G., Palmerini, M.G., Cecconi, S. Mancozeb exposure in vivo impairs mouse oocyte fertilizability (2006) <i>Reproductive Toxicology</i> , 21 (2), pp. 216-219.
63.	2006	Rossi, G., Macchiarelli, G., Palmerini, M.G., Canipari, R., Cecconi, S. Meiotic spindle configuration is differentially influenced by FSH and epidermal growth factor during in vitro maturation of mouse oocytes (2006) <i>Human Reproduction</i> , 21 (7), pp. 1765-1770.
64.	2005	Nottola, S.A., Makabe, S., Stallone, T., Familiari, G., Correr, S., Macchiarelli, G. Surface morphology of the zona pellucida surrounding human blastocysts obtained after in vitro fertilization (2005) <i>Archives of Histology and Cytology</i> , 68 (2), pp. 133-141.
65.	2005	Vizza, E., Correr, S., Barberini, F., Heyn, R., Bianchi, S., Macchiarelli, G. 3-D ultrastructural distribution of collagen in human placental villi at term in relation to vascular tree (2005) <i>Journal of Reproduction and Development</i> , 51 (4), pp. 433-443.
66.	2005	Durante, C.M., Camboni, A., Bianchi, S., Macchiarelli, G. Short-term patency of 1 mm \emptyset PTFE prosthesis: An angiographic, doppler-flowmetric and morphological experimental study (2005) <i>Italian Journal of Anatomy and Embryology</i> , 110 (2 SUPPL. 1), pp. 117-125.
67.	2005	Cecconi, S., Rossi, G., Bianchi, S., Stallone, T., Macchiarelli, G., Nottola, S. In vitro culture of mammalian early ovarian follicles. Morphofunctional correlates and future perspectives (2005) <i>Italian Journal of Anatomy and Embryology</i> , 110 (2 SUPPL. 1), pp. 189-194.
68.	2005	Prado, I.M.M., Di Dio, L.J.A., Miranda-Neto, M.H., Molinari, S.L., Macchiarelli, G. Three-dimensional distribution of the collagen fibers in the submucosa of the swine terminal ileum (2005) <i>Italian Journal of Anatomy and Embryology</i> , 110 (2 SUPPL. 1), pp. 77-86.
69.	2004	Cecconi, S., Ciccarelli, C., Barberi, M., Macchiarelli, G., Canipari, R. Granulosa cell-oocyte interactions (2004) <i>European Journal of Obstetrics Gynecology and Reproductive Biology</i> , 115 (SUPPL.), pp. S19-S22.
70.	2004	Cecconi, S., Rossi, G., Cotichio, G., Macchiarelli, G., Borini, A., Canipari, R. Influence of thyroid hormone on mouse preantral follicle development in vitro (2004) <i>Fertility and Sterility</i> , 81 (SUPPL. 1), pp. 919-924
71.	2004	Cotichio, G., Rossi, G., Borini, A., Grøndahl, C., Macchiarelli, G., Flamigni, C., Fleming, S., Cecconi, S. Mouse oocyte meiotic resumption and polar body extrusion in vitro are differentially influenced by FSH, epidermal growth factor and meiosis-activating sterol (2004) <i>Human Reproduction</i> , 19 (12), pp. 2913-2918.

Titoli ¹ SI RIPORTANTO QUELLI POSSEDUTI ALLA DATA DI 02/05/2019 COME ELENCATI NEL CV ALLEGTO

Possesso dei requisiti relativi agli indicatori per essere ammessi all'abilitazione ai ruoli di professore di prima (per i professori di prima fascia) e seconda fascia (per professori di seconda fascia e ricercatori);

n. 46 articoli negli ultimi 10 anni (INDICATORE VALIDO ANCHE PER LISTE COMMISSARIO)

n. 1011 citazioni negli ultimi 15 anni

n. 20 indice H ultimi 15 anni (INDICATORE VALIDO ANCHE PER LISTE COMMISSARIO)

- *Direzione o partecipazione a comitati di direzione di riviste Scopus/WoS o classificate da ANVUR, nonché di collane editoriali, enciclopedie e trattati di riconosciuto prestigio nel settore; "Associate Editor" of the Open Anatomy Journal (fino al 2014)
"Associate Editor" of Open Medicine Journal (dal 2015)
Member as Associate Editor of Animal Science Journal (dal 2018)
Membro dell'Editorial Board di: Archives of Histology and Cytology (Japan);
Reproductive Medicine and Biology (Japan);
Animal Science Journal (Japan)
Reproductive Biology and Endocrinology (USA),
Journal of Reproduction and Development (Japan, fino al 2015);*
- *Partecipazione al collegio dei docenti nell'ambito di dottorati di ricerca accreditati dal Ministero;
Membro e Vice-Coordiatore del Collegio dei Docenti del Dottorato di Ricerca in Scienze della salute e dell'ambiente, Università degli Studi dell'Aquila*
- *Significativi riconoscimenti per l'attività scientifica, incluse l'affiliazione ad accademie di riconosciuto prestigio nel settore e la presidenza di società scientifiche di riconosciuto prestigio;*
 1. "Anatomist Excellence Award" 2013 from the International Committee of Symposia of Morphological Sciences, Niigata, Japan, September 14, 2013.
 2. "Premio Cesare Serono 2016" per il miglior libro di Storia della Medicina dell'Accademia di Storia dell'Arte Sanitaria per il libro "Niccolò Stenone dalla medicina alla geologia" (Eds.: Ferdinando di Orlo, Gianluca Ferrini e Guido Macchiarelli, Edizioni: In Itinere, Roma, 2016).
 3. President of the International Committee of Symposia of Morphological Sciences.

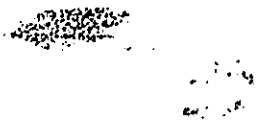
data

02 MAGGIO 2019

firma



¹ In via esemplificativa sono indicate alcune voci



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Guido Macchiarelli - Curriculum Vitae
2019

Prof. Guido Macchiarelli, Medico Chirurgo, Specialista in Cardiologia

Indirizzo:

Dipartimento di Medicina Clinica, Sanità Pubblica, Scienze della Vita e dell'Ambiente,
Università degli Studi dell'Aquila.

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Incarichi attualmente ricoperti:

- Professore Ordinario di Anatomia Umana (H501/ BIO 16)
- Direttore del Dipartimento di Medicina Clinica, Sanità Pubblica, Scienze della Vita e dell'Ambiente (dal 2018)
- Presidente dell' "International Committee of Symposia of Morphological Sciences" (ICSMS) (dal 2016)

Carriera

- Laurea in Medicina e Chirurgia (con Lode) Università di Roma La Sapienza (1983)
- Specialista in Cardiologia (con Lode) Università di Roma La Sapienza (1987)
- Funzionario Tecnico Laboratorio di Microscopia Elettronica, Istituto di Anatomia Umana Normale, Università di Roma La Sapienza (1988-98)
- Professore a Contratto di Anatomia e Fisiologia Umana e di Anatomia Fisiologia del Sistema Nervoso, Scuola Regionale per Infermiere Professionale, Edoardo e Virginia Agnelli, della Croce Rossa Italiana, Roma (1989-1997)
- Professore a Contratto di Anatomia, ISEF dell'Aquila, Sede di Cagliari (1990-1994)
- Ricercatore Universitario di Anatomia Umana, Facoltà di Medicina e Chirurgia, Università di Roma La Sapienza (1998-2000).
- Professore di Prima Fascia di Anatomia Umana, Facoltà di Medicina e Chirurgia, Università dell'Aquila, Straordinario (2000-2003) e Ordinario (dal 2003 ad oggi)

Principali incarichi Accademici all'Università dell'Aquila

- Membro eletto del "Senato Accademico" (2001-2004)
- Pro-Rettore Delegato per l'innovazione tecnologica, ICT, E-learning, ECDL (2004-2010)
- Pro-Rettore Delegato per La Contrattazione Sindacale ed i rapporti con il personale TA (2010-2013)
- Direttore del Centro di Microscopia Elettronica (2004-2010)
- Direttore del Centro Servizi di Microscopie (2010-2016)
- Vice-Presidente del Consiglio di Corso di Laurea in Medicina e Ch. (2004-2007)
- Vice-Presidente della Facoltà di Medicina e Chirurgia (2007-2011)
- Pro-Rettore delegato per le Relazioni Sindacali e i problemi del Personale TA, Università dell'Aquila (2009-2013)
- Direttore del Dipartimento di Scienze della Salute (2011-2012)
- Membro del Presidio di Qualità di Ateneo (2013-15)
- Vicedirettore del Dipartimento di Medicina Clinica, Sanità Pubblica, Scienze della Vita e dell'Ambiente (2015-2018)
- Membro della Commissione Didattica e Ricerca del Senato (Collegio dei Direttori) di UNIVAQ (dal 2018)
- Membro dell'Osservatorio Regionale per le Scuole di Specializzazione di Area Medica della Regione Abruzzo (dal 2019)

FORMAZIONE

Formazione Scientifica

- Laboratorio di Microscopia Elettronica, Ist. di Anatomia Umana Normale, Direttore Prof. Pietro M. Motta, Università di Roma La Sapienza, (1979-2000).

Formazione Clinica

- Istituto di Malattie dell'Apparato Cardiovascolare, Policlinico Umberto I, Direttore Prof. Armando Daglianti, Università di Roma La Sapienza, (1981-1987).

Formazione Internazionale

- Visiting Assistant Professor of Anatomy, Medical College of Ohio, Toledo, USA, Prof. L.J.A. DiDio (1984-85)
- Visiting Investigator, Dept. of Anatomy, University of Okayama, Prof. T. Murakami (1988)
- Visiting Investigator, Dept. of Anatomy, University of Tottori, Yonago, Japan, Prof. K. Tanaka (1988)
- Visiting Investigator, Dept. of Anatomy, University Osaka, Osaka, Japan, Prof. K. H. Fujita (1989)
- Visiting Investigator, Dept. of Anatomy, University of Niigata, Niigata, Japan, Prof. T. Fujita (1989)
- Visiting Professor (1998) Lab. of Animal Reproduction, Faculty of Agriculture, Tohoku University, Sendai, Prof. E. Sato (1998)
- Alumnus of the US Government "International Visiting Leadership Program" (ILVP): Washington, Raleigh, Indianapolis, San Francisco (2009)

ATTIVITA' DIDATTICA

Principali incarichi Didattici presso l'Università dell'Aquila

- Anatomia Umana - CLM in Medicina e Chirurgia
- Epistemologia e Storia della Medicina - CLM in Medicina e Chirurgia e CLM in Odontoiatria e PD
- Anatomia - CLM in Biologia della Salute e Nutrizione
- Anatomia - CL in Infermieristica
- Anatomia - CL in Ostetricia
- Anatomia - CL in Biotecnologie
- Anatomia - Scuole di Specializzazione in Anestesia e Rianimazione (già Vice-Direttore); Cardiologia; Chirurgia Generale; Chirurgia Toracica; Medicina d'Emergenza; Medicina dello Sport; Neurochirurgia; Ortognatodonzia; Ortopedia; Psichiatria.
- Membro e Vice-Coordinatore del Collegio dei Docenti del Dottorato di Ricerca in Imaging Molecolare ed Ultrastrutturale.

Principali incarichi didattici conferiti presso altre Istituzioni

In Italia:

- Anatomia, Neuroanatomia e Fisiologia - Scuola Infermieri della Croce Rossa Italiana "Edoardo e Virginia Agnelli, Roma, (1989-1997)
- Anatomia Umana - Istituto Superiore di Educazione Fisica (ISEF L'Aquila) sede di Cagliari (1990-1994)
- Anatomia Umana - Facoltà di Medicina e Chirurgia, Università di Roma la Sapienza (1998-2000)
- Anatomia Clinica - Scuola di Specializzazione in Cardiologia, Università di Roma la Sapienza (1998-2001)
- Anatomia - CL in Tecniche di Radiologia Medica, per Immagini e Radioterapia, Università di Roma "La Sapienza" polo di Rieti (2000-2016)

All'Estero:

- Assitant Professor of Electron Microscopy: Medical College of Ohio, Toledo, OH, USA (AA 1984-85)
- Professore a Contratto di Anatomia, CL in Fisioterapisti Facoltà di Medicina, LUDES University, Lugano, Svizzera (AA 1997-98)
- Professore a Contratto di Anatomia, Facoltà di Medicina, Università Cattolica Nostra Signora del Buon Consiglio, Tirana, Albania, (AA 2007-08; 2012-18: nell'ambito dell'Accordo Quadro di scambi Accademici con UnivAQ)

ATTIVITÀ SCIENTIFICA

- Autor di più di 350 Pubblicazioni su argomenti di microscopia elettronica ed ottica, biologia della riproduzione, microcircolazione sanguigna, angiogenesi, lesione e rigenerazione endoteliale, matrice extracellulare, miocardiopatie cliniche e sperimentali, anatomia microscopica del fegato e vie biliari, storia della medicina.
- Partecipazione a più di 100 Congressi e Simposi Nazionali ed Internazionali; spesso quale "Invited Speaker" o "Session Chairman".
- Organizzatore e Presidente di Congressi, Simposi, Corsi di perfezionamento Nazionali ed Internazionali su argomenti di Morfologia, Riproduzione, Angiogenesi, Bio- e nanotecnologie; Microscopia Elettronica ed a Forza Atomica.
- Enti Pubblici finanziatori dei più rilevanti fondi di ricerca assegnati:
In Italia: MIUR PRIN, MIUR INTERLINK, UNIROMA1 ex 60%; UNIVAQUA, Istituto Superiore Sanità,
Internazionali: JSPS (Japan), TEMPUS (EU, in associazione con: UK; France, Azerbaijan, Georgia, Armenia; Slovenia, Ucraina,)

Associazioni Scientifiche

- Membro della Società Italiana di Anatomia ed Istologia
- Membro del Collegio Italiano degli Anatomici
- Membro della Società Italiana di Scienze Microscopiche dove ha ricoperto l'incarico di Membro del Consiglio Direttivo (S.I.S.M.)
- Membro e Presidente dell'"International Committee of Symposia on Morphological Sciences" dove ha anche ricoperto l'incarico di Secretary General
- Membro Onorario della Asociación Argentina de Anatomía Clínica
- Membro dell'American Association of Anatomists
- Membro della Società Italiana di Riproduzione
- Membro, Segretario Scientifico e Co-Fondatore dell'"International Malpighi Academy".

Collaborazioni a Riviste Scientifiche Internazionali

- "Associate Editor" of the Open Anatomy Journal (fino al 2014)
- "Associate Editor" of Open Medicine Journal (dal 2015)
- Membro dell'Editorial Board di:
Animal Science Journal ("Associate Editor" dal 2018); Archives of Histology and Cytology (Japan); Medical Investigation (Serbia); Reproductive Medicine and Biology (Japan); Animal Science Journal (Japan); Journal of Morphological Sciences (Brazil); Reproductive Biology and Endocrinology (USA); Medicine Journal of West Kazakhstan (KZ); Acta Morphologica (Macedonia); Archives of Anatomy (Portugal); Journal of Reproduction and Development (Japan, fino al 2015); Marcello Malpighi Symposium Series.
- Referee (peer reviewer) per:
Journal of Electron Microscopy; Journal of Microscopy; Microscopy Research and Techniques; Theriogenology; Reproduction; Reproduction in Domestic Animals; Journal of Histochemistry and Cytochemistry; Human Reproduction Update; Prostate; PlosOne; Scientific Reports, Regulatory Toxicology and Toxicology, Animal Science Journal, Fertility and Sterility, Microscopie, Reproductive Biology and Endocrinology, Anatomical Science International; World Scientific Publishing.

Organizzazione di Congressi Internazionali

- 8th International Symposium on Morphological Sciences (Roma 1988)
- 1st, 2nd, 4th, 5th, Int. Malpighi Symposia (4 Simposi: Roma 1988, 1995, 1999 and 2003)
- 15th Cong. of Int. Federation of Association of Anatomists (Roma 1999)

- 1st International Congress on Vascular Corrosion Casts - AVC 2004 (Salzburg, Austria, 2004)
- 17th Int. Symposium on Morphological Sciences (Beograd 2005)
- 16th International Microscopy Conference, Chairman and Organizer Symposium "SEM in Biomedicine" (Sapporo, Japan, 2006)
- 2nd International Congress on Vascular Corrosion Casts - AVC 2007 (Salzburg, Austria, 2007)
- 9th Multinational Congress on Microscopy, Chairman and Organizer of the Work Shop "Advanced Microscopy in Teaching" (Graz, Austria, 2009)
- XX International Symposium on Morphological Sciences (Timisoara, Romania, 2008)
- President of the XXI International Symposium on Morphological Sciences, (Messina, Italy, 2010)
- Symposium: "Recent advances in Biology of Reproduction" Niigata, Japan 2013.

Autore/Editor in Libri Scientifici e Didattici

1. Cappello et al. : Helliss –MahadVAN, ANATOMIA CLINICA, Idelson Gnocchi, Napoli, 2019 ISBN: 978-88-79476850
2. DiOrio, Ferrini, Macchiarelli: Niccolò Stenone dalla medicina alla Geologia, In Itinere, Roma, 2016. ISBN 978-88-941875-9-5
3. Anastasi et al. Anatomia Umana Atlante. 3 Volumi, Edi Ermes, Milano 2015-16. ISBN 978-88-7051-393-6
4. Macchiarelli-Montagnani. Anatomia. Sorbona, Napoli, 2014. ISBN 978-88-7947-591-4
5. M. Castellucci e G. Macchiarelli; Volume 2, "Organi Interni" in "Sobotta" Atlante di Anatomia Umana; XXIII edizione, Elsevier, Milano (2012. ISBN 978-88-214-3265-1
6. "Structural Basis of the Ovarian Function" S.A. Nottola and G. Macchiarelli (eds). Wiley; Microscopy Research and Technique; 2006
7. Marcello Malpighi Series: Vol. 9. Morphodynamics of Cells and Tissues. A book in memory of Pietro M. Motta. by R. Heyn, F. Barberini, A. Caggiati, G. Familiari, G. Macchiarelli, Nottola S.A., Correr S. 2005. Il Sedicesimo, Firenze. It. J. of Anatomy and Embryology, vol. 110 (suppl. 1, n. 2), 2005.
1. 6.Bareggi - Dell'Orbo - Ferri - Gaeta - Macchiarelli - Montagnani - Nottola Tazzi - Valenza - Verze' - Viglietti Panzica; (2004) Anatomia Umana, pag.: 600, tavole: 537. Casa Ed.Idelson-Gnocchi; ISBN; 88-7947-377-8
8. Marcello Malpighi Series: Vol. 8. Molecular, Cellular and Developmental Biology of Reproduction: Basic and Clinical Aspects. P.M. Motta, S.A. Nottola and G. Macchiarelli (eds.) - Italian Journal of Anatomy and Embryology Vol. 106 (Supplement 2) n. 2, 2001. Il Sedicesimo, Firenze
9. Marcello Malpighi Series: Vol. 7. Advances in Microanatomy of Cells and Tissues: Biophysical and Biochemical Correlates. P.M. Motta, G. Macchiarelli and S.A. Nottola (eds.) – It. J. Of Anatomy and Embryology, Vol. 106 (Supplement 1) n. 2, 2001. Il Sedicesimo, Firenze.
10. Marcello Malpighi Series: Vol. 6. New Trends in Microanatomy of Reproduction. G. Macchiarelli, S.A. Nottola, S. Correr and P.M. Motta (eds.) – It. J. of Anatomy and Embryology, Vol. 103 (Supplement 1) n. 4, 1998. Il Sedicesimo, Firenze York), pag. 103-116, 1993

Recenti Letture Magistrali o "Invited Main Lectures" in Congressi Internazionali negli ultimi 10 anni.

1. OPENING LECTURE: "In vitro handling of human oocyte for fertility preservation. Morphological insights". XXV International Symposium of Morphological Sciences, Xi'an, China, July 26-30, 2017.
2. "The human oocyte ultrastructure in ART. Recent acquisitions". – 7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics and Congress of Reproductive Immunology, Yazd, Iran, April 28-30, 2017.
3. ULTRASTRUCTURAL MARKERS OF AGING IN HUMAN OOCYTE. International Congress on Reproduction. Yazd, Iran, 2015
4. HISTORICAL AND SCIENTIFIC COLLOCATION OF ANATOMY IN ITALY. International Meeting on "Topical Issues of Experimental and Clinical Morphology" Aqtobe, Kazakhstan, 2013
5. ULTRASTRUCTURE AND MORPHOFUNCTIONAL CHANGES OF CRYOPRESERVED HUMAN OOCYTE. XXI International Symposium on Morphological Sciences, Sao Paulo, Brasil, 2012.
6. THE EFFECT OF THYROID HORMONE AND GONADOTROPINS ON ANGIOGENESIS IN THE OVARY. Joint Meeting of anatomical Society, Bursa, Turkey, 2011
7. ULTRASTRUCTURE AND MORPHOFUNCTIONAL CHANGES OF CRYOPRESERVED HUMAN OOCYTE, 10th Multinational Congress in Microscopy, Urbino, 2011.
8. MORPHODYNAMICS OF MAMMALIAN OVARY MICROCIRCULATION. XX International Symposium of Morphological Sciences, 2008 Timisoara, Romania.
9. ANGIOGENESIS IN THE MAMMALIAN OVARY: MORPHOLOGICAL ASPECTS. 5th APICA Congress, 16-19 May 2008. Tehran, Iran

Principali Collaborazioni scientifiche

- Università di Roma La Sapienza (Prof. S.A. Nottola: Ultrastructure of the Ovary)
- University of California San Francisco (USFC, Prof. P. Rinaudo: ultrastructure of mouse embryos)
- Università degli Studi di Sassari (Prof. S. Naltana: ultrastructure of sheep and lamb oocytes)
- Istituto Superiore di Sanità, Roma (Italian National Health Institute: Dr. Giulia Scaravelli; Human Oocyte Cryopreservation)
- Università di Teramo, (Prof. M. Mattioli; B. Barboni; P. Berardinelli: Angiogenesis in the sheep and pig ovary)
- Università of Tor Vergata-Roma (Prof. B. Infriglia: Computational Modelling of endomysial collagen)
- Catholic University of Louvain, Bruxelles, Belgium (Prof. J. Donnez: Ovarian grafting, ovarian cryopreservation and neovascularization)
- University of Tohoku, Sendai Japan (Prof E. Sato, Prof. K. Tanemura: International Agreement sponsored by MIUR-Interlink – Biotechnology of Reproduction)
- University of Niigata; Japan (Prof. T. Ushiki: Graduate Student exchange program)
- University of Okayama, Japan (Prof. A. Ohsuka: Graduate Student exchange program)
- University of Sao Paulo, Brazil (Prof. A. Miglino, postgraduate student exchange program)
- West Kazakhstan Marat Ospanov Medical University; PhD Exchange program and studies on Biology of Reproduction

Programmi di Ricerca e Accordi Internazionali attivati presso l'Università dell'Aquila

- (Local Coordinator from 2011) Tempus project n. 158627; E-learning project in Caucasian Country; Partners: Azerbaijan, Georgia, Armenia, United Kingdom, France and Italy
- (Main Coordinator). Grant from Ministry of University N. INT01A3BAC Interlink 2001-2003 – Nuovi approcci metodologici nelle biotecnologie della riproduzione – For developing a Doctorate Curriculum on Biotech of Reproduction based on PhD student exchange and Distance Learning project between Universities of L'Aquila and Tohoku
- (Coordinator of DL project) Grant from Regione Abruzzo, CITEC Telespazio, Telecom, HERMES Project, Department of Experimental Medicine University of L'Aquila and Associazione RINDERTIMI-Avezzano, AQ) Action L.84/01 BALCANI INTERREG IIA "Cooperazione per la programmazione e la realizzazione di interventi sanitari, formative ed operativi, nella provincia albanese di Lezhe." – for developing a project of health professional updating based on people exchange, infrastructural support and distance learning.

- Coordinatore dell'accordo internazionale dell'Università dell'Aquila con la Tohoku University, Japan
- Coordinatore dell'accordo internazionale dell'Università dell'Aquila con la Okayama University, Japan
- Coordinatore dell'accordo internazionale dell'Università dell'Aquila con la Università Nostra Signora del Buon Consiglio, Tirana, Albania.
- Coordinatore dell'accordo internazionale dell'Università dell'Aquila con la Marat Hospital Medical School, University of Aqtobe, Khazakistan.

Premi scientifici

- "Daniel F. Kott Award For The Best New Instrumentation" (1997) per il programma "EndoCDscopy", A Multimedia Course For Endoscopic Surgeons by American Association of Gynecologic Endoscopists at the 26th Meeting 1997 Seattle; USA
- "Times Higher (THE) International Collaboration of the Year" (2012) per il progetto TEMPUS n. 158627 "Development of the e-learning and distance learning courses and assessment in Biomedical Sciences in the Southern Caucasus"
- "Anatomist Excellence Award" 2013 from the International Committee of Symposia of Morphological Sciences, Niigata, Japan, September 14, 2013.
- "Premio Cesare Serono 2016" per il miglior libro di Storia della Medicina dell'Accademia di Storia dell'Arte Sanitaria per il libro "Niccolò Stenone dalla medicina alla geologia" (Eds.: Ferdinando di Orio, Gianluca Ferrini e Guido Macchiarelli, Edizioni: Intiniere, Roma, 2016).

Attività di divulgazione scientifica (III missione)

- Ha collaborato alla redazione del Programma televisivo Quark "Viaggio nel Corpo Umano" - Rai - di Piero Angela
- Ha collaborato al programma televisivo "Vivere Bene" - Canale 5 - RTI - di Fabrizio Trecca
- E' stato Organizzatore e Direttore Scientifico della Mostra di fotografia scientifica "Microstrutture e Arte" - tenutasi all'Aquila dal 20/12/2005 al 6/1/2006
- E' stato consulente della trasmissione televisiva Super Quark, diretta da Piero Angela, per la rubrica "Come siamo fatti dentro" 2013. Guido Macchiarelli

MAIN PUBLICATIONS
(Full Papers, *peer reviewed*, 1983-2019)
Database source: Scopus, WoS, PubMed, Google Scholar,

- 130) Rossi, G.; Di Nisio, V.; Macchiarelli, G.; Nottola, S.A.; Halvaei, I.; De Santis, L.; Cecconi, S.
Technologies for the Production of Fertilizable Mammalian Oocytes.
Appl. Sci. 2019, 9, 1536.
DOCUMENT TYPE: Article
Publication Stage: Article in Press
Source: PubMed
- 129) Bernardi S, Continenza MA, Al-Ahmad A, Karygianni L, Follo M, Filippi A, Macchiarelli G.
Streptococcus spp. and Fusobacterium nucleatum in tongue dorsum biofilm from halitosis patients: a fluorescence in situ hybridization (FISH) and confocal laser scanning microscopy (CLSM) study.
New Microbiol. 2019 Apr 29;41(2).
DOCUMENT TYPE: Article
Publication Stage: Article in Press
Source: PubMed
- 128) Antonouli, S., Papatheodorou, A., Panagiotidis, Y., Petousis, S., Prapas, N., Nottola, S.A., Palmerini, M.G., Macchiarelli, G., Prapas, Y.
The impact of sperm DNA fragmentation on ICSI outcome in cases of donated oocytes (2019) Archives of Gynecology and Obstetrics,
DOCUMENT TYPE: Article
Publication Stage: Article in Press
Source: Scopus
- 127) Belli, M., Zhang, L., Liu, X., Donjacour, A., Ruggeri, E., Palmerini, M.G., Nottola, S.A., Macchiarelli, G., Rinaudo, P.
Oxygen concentration alters mitochondrial structure and function in in vitro fertilized preimplantation mouse embryos (2019)
Human Reproduction, 34 (4), pp. 601-611.
DOCUMENT TYPE: Article
Publication Stage: Final
Source: Scopus
- 126) Mangoli, E., Khalili, M.A., Eftekhari, M., Macchiarelli, G., Palmerini, M.G.
First successful live birth following the use of MSOME and time lapse for sperm and embryo selections in a patient with severe male factor infertility: A case report (2019) Journal of Gynecology Obstetrics and Human Reproduction,
DOCUMENT TYPE: Article
Publication Stage: Article in Press
Source: Scopus
- 125) Bernardi S, Mummolo S, Varvara G, Marchetti E, Continenza MA, Marzo G, Macchiarelli G.
Bio-morphological evaluation of periodontal ligament fibroblasts on mineralized dentin graft: an in vitro study.
J Biol Regul Homeost Agents. Feb 6;33(1). (2019)
PubMed PMID: 30729763.
DOCUMENT TYPE: Article
Source: Scopus
- 124) Bernardi, S., Bianchi, S., Fantozzi, G., Leuter, C., Continenza, M.A., Macchiarelli, G.
Morphometric study on single-root premolars in a European population sample: An update on lengths and diameters
European Journal of Anatomy, 23 (1), pp. 17-25. (2019)
DOCUMENT TYPE: Article
Source: Scopus
- 123) Taghizabet, N., Khalili, M.A., Anbari, F., Agha-Rahimi, A., Nottola, S.A., Macchiarelli, G., Palmerini, M.G.
Human cumulus cell sensitivity to vitrification, an ultrastructural study
Zygote, 26 (3), pp. 224-231. (2018)
DOI: 10.1017/S0967199418000138
DOCUMENT TYPE: Article
Source: Scopus
- 122) Di Nisio, V., Rossi, G., Iorio, R., Pellegrini, C., Macchiarelli, G., Tiboni, G.M., Petricca, S., Cecconi, S.
VEGFR2 expression is differently modulated by parity and nulliparity in mouse ovary
BioMed Research International, 2018, art. no. 6319414. (2018)
DOI: 10.1155/2018/6319414
DOCUMENT TYPE: Article
Source: Scopus
- 121) Bernardi, S., Bianchi, S., Continenza, M.A., Pinchi, V., Macchiarelli, G. Morphological study of the labial grooves' pattern in an Italian population (2018) Australian Journal of Forensic Sciences,
DOI: 10.1080/00450618.2018.1541192

DOCUMENT TYPE: Article in Press

Source: Scopus

120) Zhurabekova, G., Balmagambetova, A., Bianchi, S., Belli, M., Bekmukhambetov, Y., Macchiarelli, G.
The toxicity of lindane in the female reproductive system: A review on the aral sea
EuroMediterranean Biomedical Journal, 13 (24), pp. 104-108. (2018)

DOCUMENT TYPE: Review

Source: Scopus

119) Giusti I, Francesco MD, Ascenzo S, Palmerini MG, Macchiarelli G, Carta G, Dolo V.
Ovarian cancer-derived extracellular vesicles affect normal human fibroblast behavior.
Cancer Biol Ther. Mar 26:1-44. (2018)

PMID: 29580188

DOCUMENT TYPE: Article

SOURCE: Scopus

118) Bernardi, S., Bianchi, S., Botticelli, G., Rastelli, E., Tomel, A.R., Palmerini, M.G., Continenza, M.A., Macchiarelli, G.
Scanning electron microscopy and microbiological approaches for the evaluation of salivary microorganisms behaviour on anatase titanium surfaces: In vitro study [Microscopie électronique à balayage et approches microbiologiques pour l'évaluation du comportement des microorganismes salivaires sur les surfaces de titane anatase: étude in vitro]

Morphologie, 102 (336), pp. 1-5. (2018)

DOCUMENT TYPE: Article

SOURCE: Scopus

117) Zeka, K., Ruparella, K.C., Sansone, C., Macchiarelli, G., Continenza, M.A., Arroo, R.R.J.
New Hydrogels Enriched with Antioxidants from Saffron Crocus Can Find Applications in Wound Treatment and/or Beautification
Skin Pharmacology and Physiology, 31 (2), pp. 95-98. (2018)

DOCUMENT TYPE: Article

SOURCE: Scopus

116) Di Nisio, V., Rossi, G., Palmerini, M.G., Macchiarelli, G., Tiboni, G.M., Cecconi, S.
Increased rounds of gonadotropin stimulation have side effects on mouse fallopian tubes and oocytes
Reproduction, 155 (3), pp. 245-250. (2018)

DOCUMENT TYPE: Article

SOURCE: Scopus

115) Palmerini, M.G., Belli, M., Nottola, S.A., Miglietta, S., Bianchi, S., Bernardi, S., Antonouli, S., Cecconi, S., Familiari, G., Macchiarelli, G.
Mancoske impairs the ultrastructure of mouse granulosa cells in a dose-dependent manner
Journal of Reproduction and Development, 64 (1), pp. 75-82. (2018)

DOCUMENT TYPE: Article

SOURCE: Scopus

114) Bernardi, S., Bianchi, S., Continenza, M.A., Macchiarelli, G.
Frequency and anatomical features of the mandibular lingual foramina: systematic review and meta-analysis
Surgical and Radiologic Anatomy, 39 (12), pp. 1349-1357. (2017)

DOCUMENT TYPE: Review

SOURCE: Scopus

113) Palmerini, M.G., Zhurabekova, G., Balmagambetova, A., Nottola, S.A., Miglietta, S., Belli, M., Bianchi, S., Cecconi, S., Di Nisio, V., Familiari, G., Macchiarelli, G.

The pesticide Lindane induces dose-dependent damage to granulosa cells in an in vitro culture
Reproductive Biology, 17 (4), pp. 349-356. (2017)

DOCUMENT TYPE: Article

SOURCE: Scopus

112) Khalili, M.A., Shahedi, A., Ashourzadeh, S., Nottola, S.A., Macchiarelli, G., Palmerini, M.G.
Vitrification of human immature oocytes before and after in vitro maturation: a review
Journal of Assisted Reproduction and Genetics, 34 (11), pp. 1413-1426. (2017)

DOCUMENT TYPE: Review

SOURCE: Scopus

111) Taherzadeh, S., Ali Khalili, M., Agha-Rahimi, A., Anbari, F., Ghazali, S., Macchiarelli, G.
Vitrification increased vacuolization of human spermatozoa: Application of MSOME technology
Journal of Reproduction and Infertility, 18 (2), pp. 225-230. (2017)

DOCUMENT TYPE: Article

SOURCE: Scopus

110) S Bernardi, MA Continenza, G Macchiarelli. Microscopic evaluation of the enamel surface after debonding procedures: An ex vivo study using scanning electron microscopy. *Microscopie* 29:7190 doi:10.4081/microscopie.2018.7190 (2018)

DOCUMENT TYPE: Article

SOURCE: Google Scholar

109) Palmerini, M.G., Nottola, S.A., Tunjung, W.A.S., Kadowaki, A., Bianchi, S., Cecconi, S., Sato, E., Macchiarelli, G.

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