



## Alice Luddi

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☎ **Phone number:** (+39) 0577233521

**Date of birth:** 17/07/1972 **Nationality:** Italian

### ABOUT ME

Current position: RTDB of Applied Biology at University of Siena

### WORK EXPERIENCE

[ 30/11/2002 – 29/05/2021 ] **University research assistant**

*University of Siena*

**City:** Siena

**Country:** Italy

[ 2016 – 2020 ] **Adjunct professor**

*University of Siena*

**City:** Siena

**Country:** Italy

[ 31/05/2021 – Current ] **RTD-B, Senior temporary researchers**

*University of Siena*

**City:** Siena

**Country:** Italy

[ 2021 – Current ] **Member of the graduate teaching committee of "Biotechnologies of human reproduction"**

*University of Siena*

**City:** Siena

**Country:** Italy

[ 01/10/2022 – Current ] **Faculty Board Member of the International PhD in Molecular Medicine**

**City:** University of Siena, University of Pisa and University of Florence Consortium

**Country:** Italy

[ Current ] **Main research interests:**

**Main activities and responsibilities:**

- Biology of Human Reproduction

- The cellular and molecular mechanisms regulating the physiology and pathology of male gametes
- Endometrial function in physiology and pathology
- Ovarian function and follicular microenvironment
- Human embryo implantation: molecular signaling in the endometrial receptivity
- Extracellular vesicles in cell-to-cell communication
- Male infertility and infection

## EDUCATION AND TRAINING

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[ 1996 ] **Degree in Biological Sciences with honors, with the thesys "Cloning and characterization of the human homologue of the FIGF gene".**

*University of Siena*

**Address:** 53100, Siena, Italy

[ 1996 ] **Qualification as a biologist**

*University of Siena*

**Address:** 53100, Siena, Italy

[ 1997 – 2000 ] **PhD in Germ Cells Biology with a thesis on "Pleiotropic effects of GALC gene mutation. Study of the nervous and reproductive systems of the Twitcher mouse"**

*University of Siena*

**Address:** 53100, Siena, Italy

[ 2000 – 2001 ] **Post-lauream fellowship**

*Thelethon*

[ 2019 – Current ] **National Scientific Qualification as Professor of II level- Sector 05/F1-. SSD BIO/13 Applied Biology**

*Ministry of University and Research*

[ Current ] **National Scientific Qualification as professor of II level - SSD/MED46 Technical Sciences of Laboratory Medicine**

*Ministry of University and Research*

## LANGUAGE SKILLS

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**Mother tongue(s):** Italian

**Other language(s):**

**English**

**LISTENING** B2 **READING** B2 **WRITING** B2

**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B2

**French**

**LISTENING** B1 **READING** B1 **WRITING** B1

**SPOKEN PRODUCTION** B1 **SPOKEN INTERACTION** B1

## DIGITAL SKILLS

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### My Digital Skills

Microsoft Word | Microsoft Powerpoint | Microsoft Office | Microsoft Excel | Google Drive | Google Docs | Social Media | Zoom | Instagram | Skype | Facebook | Power Point | Good listener and communicator | Written and Verbal skills | Decision-making | Team-work oriented | Organizational and planning skills | Motivated

## SPECIFIC SKILLS

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### Skills and competences in the field of the project

**Protein skills:** Protein purification, SDS-PAGE, Western blot and ELISA

**Molecular Biology skills:** Plasmid preparation, ligation, transformation, Genomic DNA extraction, total RNA extraction, RT-PCR, PCR, site-directed mutagenesis, manual and automated DNA sequencing, Real Time and High Resolution Melt (HRM). Analysis of polymorphisms..

**Cell Biology skills:** Transfection, reporter assay, cell counting, fluorescent microscopy, cell cloning, cell proliferation assay, and cell culture. Preparation of primary cultures from endometrial biopsy, set-up of 3D culture model.

**Animal skills:** Mouse handling, ip injection, iv injection, and sc injection and tail blood withdrawal.

**Microscopy:** Light microscopy, fluorescence microscopy, and scanning electron microscopy

**Data Analysis:** Excell, power-point, Photoshop, Image J, PRISM, DNA; RNA and protein database

## COMMUNICATION AND INTERPERSONAL SKILLS

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### Communication skills

Invited speaker at national and international congress on human reproduction and fertility

member of national and international research groups, national and international scientific societies

### **Short biography**

Her scientific interest focuses on the biology of human reproduction. In particular, she has studied the physiology of male and female gametes and the pathological conditions causing infertility. She has conducted studies on ovarian physiology and pathology, with a focus on the follicular microenvironment and the mechanisms by which follicular somatic cells contribute to oocyte competence acquiring.

In recent years, she has also focused on the molecular mechanisms underlying endometrial receptivity, with particular attention to the exosomal profile of healthy and pathological endometrium that causes implantation failure. To improve understanding of these mechanisms, she has contributed to develop 3D models of the human endometrium that mimic the process of embryo implantation in vitro.

### **PROJECTS**

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[ 2019 – Current ]

#### **FERRING COVID-19 INVESTIGATIONAL GRANTS in Reproductive Medicine and Maternal Health (partecipant)**

Participation in the project entitled " SARS-CoV-2 infection at ovarian level: focus on acute and long term side effects on reproductive health". at University of Siena

[ 2019 – Current ]

#### **FERRING COVID-19 INVESTIGATIONAL GRANTS in Reproductive Medicine and Maternal Health (Principal investigator)**

Principal investigator of the project entitled "SARS-CoV2 infection in human semen:in vivo and in vitro studies". Funded with € 10.000,00. Location: University of Siena

[ 2016 – 2020 ]

#### **Use of biosimilar FSH (Bemfola) at different dosages in women with PCOS undergoing cycles of PMA (Partecipant)**

[ 2015 – 2019 ] **Grant for Fertility Innovation (partecipant)**

Participation in the project entitled "Exosomal profile of the receptive endometrium: a source of non-invasive biomarkers for guiding of a successful embryo implantation"

[ 2012 – 2014 ] **Studio Clinico (Partecipant)**

A phase III randomized, controlled single-blind multicentre parallel arms trial to assess the efficacy and safety of Pergoveris and Gonal-f for multifollicular development as part of an assisted reproductive technology treatment cycle in poor ovarian responders, as defined by the ESHRE criteria

[ 2012 – 2018 ]

**Analysis of taste gene polymorphisms in relation to male fertility  
(Partecipant)**

[ 2008 – 2011 ]

**Programma per la Ricerca Regionale in Materia di Salute 2009 (Principal investigator)**

PI of the project entitled "Novel therapeutic approaches for the treatment of Krabbe disease".funded with € 200000,00 by Tuscany Region

[ 2003 – 2005 ] **University research plan (Principal investigator)**

Scientific coordinator of the project entitled "Research on markers with diagnostic and prognostic significance in Sarcoidosis". Funded with 7000€ by the University of Siena

## EDITORIAL EXPERIENCE

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[ 2011 – Current ] **Editorial experience**

Associated Guest Editor:

Special Issue "Approach to Male Infertility and Induction of Spermatogenesis " on Journal of Clinical Medicine, IF 4.9 (2021)

Special Issue "Molecular and Cellular Mechanisms Underlying Embryo Implantation" on Cells, IF 7.6 (2022)

Special Issue "Male Reproductive Health and Infertility: A Look Towards the Future" on Cells, IF 7.6 (2022)

Referee ad Hoc for international scientific journals (PlosOne, Andrologia, Scientific journal of Genetics and gene Therapy, Reviews on Recent Clinical trials, Asian Journal of Andrology, Andrology, Human fertility, Journal of Neurology & Neuromedicine, IJMS, Nutrients, Antioxidants, Human reproduction update, Molecular genetics and metabolism, REPPIO, International Journal of Environmental Research and Public Health, Biology, Gene, Reproductive Sciences, Cells, Animals, IJMS, Journal of Clinical Medicine)

## RELEVANT BIBLIOMETRIC INDICES

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[ Current ] **Metrics overview**

ORCID 0000-0002-4946-7336

Scopus: (<https://www.scopus.com/authid/detail.uri?authorId=7801325888>): H-index 21; Citazioni, 1234, 65 documents

Web of Science (researcher ID AAC-7835-2019): H-index 20; citations, 1152, 87 documents

Googlescholar: ([https://scholar.google.it/citations?view\\_op=list\\_works&hl=it&user=d97F7YEAAAAJ](https://scholar.google.it/citations?view_op=list_works&hl=it&user=d97F7YEAAAAJ)): citations=1810; indice H=24; i10-index=41

[ Current ] **Author or co-author of 87 peer reviewed articles in international journals**

## Pubblications:

- **Luddi A**, Luongo FP, Dragoni F, Fiaschi L, Vicenti I, Lupetti P, Gentile M, Paccagnini E, Haxhiu A, Ponchia R, Governini L, Zazzi M, Piomboni P. Cellular and Molecular Mechanisms of In Vivo and In Vitro SARS-CoV-2 Infection: A Lesson from Human Sperm. *Cells*. 2022 Aug 24;11(17):2631. doi: 10.3390/cells11172631.
- Morgante G, Darino I, Spanò A, Luisi S, **Luddi A**, Piomboni P, Governini L, De Leo V. PCOS Physiopathology and Vitamin D Deficiency: Biological Insights and Perspectives for Treatment. *J Clin Med*. 2022 Aug 2;11(15):4509. doi: 10.3390/jcm11154509.
- Luongo FP, Dragoni F, Boccuto A, Paccagnini E, Gentile M, Canosi T, Morgante G, **Luddi A**, Zazzi M, Vicenti I, Piomboni P. SARS-CoV-2 Infection of Human Ovarian Cells: A Potential Negative Impact on Female Fertility. *Cells*. 2022 Apr 23;11(9):1431. doi: 10.3390/cells11091431.
- De Leo V, Tosti C, Morgante G, Ponchia R, **Luddi A**, Governini L, Piomboni P. Positive Effect of a New Combination of Antioxidants and Natural Hormone Stimulants for the Treatment of Oligoasthenoteratozoospermia. *J Clin Med*. 2022 Apr 2;11(7):1991. doi: 10.3390/jcm11071991.
- Ponchia R, Bruno A, Renzi A, Landi C, Shaba E, Luongo FP, Haxhiu A, Artini PG, **Luddi A**, Governini L, Piomboni P. Oxidative Stress Measurement in Frozen/Thawed Human Sperm: The Protective Role of an In Vitro Treatment with Myo-Inositol. *Antioxidants (Basel)*. 2021 Dec 22;11(1):10. doi: 10.3390/antiox11010010.
- Semplici B, Luongo FP, Passaponti S, Landi C, Governini L, Morgante G, De Leo V, Piomboni P, **Luddi A**. Bitter Taste Receptors Expression in Human Granulosa and Cumulus Cells: New Perspectives in Female Fertility. *Cells*. 2021 Nov 11;10(11):3127. doi: 10.3390/cells10113127.
- Governini L, Luongo FP, Haxhiu A, Piomboni P, **Luddi A**. Main actors behind the endometrial receptivity and successful implantation. *Tissue Cell*. 2021 Sep 29;73:101656.
- Governini L, Marrocco C, Semplici B, Pavone V, Belmonte G, Luisi S, Petraglia F, **Luddi A**, Piomboni P. Extracellular matrix remodeling and inflammatory pathway in human endometrium: insights from uterine leiomyomas. *Fertil Steril*. 2021 Jul 10:S0015-0282(21)00523-9.
- Gentiluomo M, **Luddi A**, Cingolani A, Fornili M, Governini L, Lucenteforte E, Baglietto L, Piomboni P, Campa D. Telomere Length and Male Fertility. *Int J Mol Sci*. 2021 Apr 12;22(8):3959.
- Franzago M, Sabovic I, Franchi S, De Santo M, Di Nisio A, **Luddi A**, Piomboni P, Vitacolonna E, Stuppia L, Foresta C. Sperm DNA Methylation at Metabolism-Related Genes in Vegan Subjects. *Front Endocrinol (Lausanne)*. 2021 Mar 9;12:633943.
- **Luddi A**, Pavone V, Governini L, Capaldo A, Landi C, Ietta F, Paccagnini E, Morgante G, De Leo V, aola Piomboni P. Emerging role of embryo secretome in the paracrine communication at the implantation site: a proof of concept. *Fertility and Sterility*, 2020, in press
- **Luddi A**, Governini L, Capaldo A, Campanella G, De Leo V, Piomboni P, Morgante G. Characterization of the age-dependent changes in antioxidant defences and protein's sulfhydryl/carbonyl stress in human follicular fluid. (2020) *Antioxidants*, 9 (10), art. no. 927, pp. 1-16.
- Luti S, Fiaschi T, Magherini F, Modesti P.A, Piomboni P, Governini L, **Luddi A**, Amoresano A, Illiano A, Pinto G, Modesti A, Gamberi T. Relationship between the metabolic and lipid profile in follicular fluid of women undergoing in vitro fertilization. (2020) *Molecular Reproduction and Development*, 87 (9), pp. 986-997.
- Governini L; Ponchia R; Artini PG; Casarosa E; Marzi I; Capaldo A; **Luddi A**, Piomboni P. Respiratory Mitochondrial Efficiency and DNA Oxidation in Human Sperm after In Vitro Myo-Inositol Treatment. (2020) *Journal of Clinical Medicine* 9 (9).
- **Luddi A**, Pavone V, Semplici B, Governini L, Criscuoli M, Paccagnini E, Gentile M, Morgante G, Leo V, Belmonte G, Zarovni N, Piomboni P. Organoids of Human Endometrium: A Powerful In Vitro Model for the Endometrium-Embryo Cross-Talk at the Implantation Site. (2020) *Cells*, 9 (5).
- **Luddi A**, Marrocco C, Governini L, Semplici B, Pavone V, Luisi S, Petraglia F, Piomboni P. Expression of matrix metalloproteinases and their inhibitors in endometrium: High levels in endometriotic lesions. (2020) *International Journal of Molecular Sciences*, 21 (8)
- Governini L, Semplici B, Pavone V, Crifasi L, Marrocco C, De Leo V, Arlt E, Gudermann T, Boekhoff I, **Luddi A**, Piomboni P. Expression of Taste Receptor 2 Subtypes in Human Testis and Sperm. (2020) *Journal of Clinical Medicine*, 18;9(1):264.

- Landi, C., **Luddi, A.**, Bianchi, L., Pannuzzo, G., Pavone, V., Piomboni, P., Bini, L. Proteostasis network alteration in lysosomal storage disorders: Insights from the mouse model of Krabbe disease. (2020) *Journal of Neuroscience Research*, 98 (4), pp. 718-733.
- Morgante, G., Massaro, M.G., Scolaro, V., Cappelli, V., **Luddi, A.**, Troia, L., De Leo, V. Metformin doses and body mass index: Clinical outcomes in insulin resistant polycystic ovary syndrome women. (2020) *European Review for Medical and Pharmacological Sciences*, 24 (15), pp. 8136-8142.
- **Luddi, A.**, Marrocco, C., Governini, L., Semplici, B., Pavone, V., Capaldo, A., Tosti, C., Greco, S., Luisi, S., Ciarmela, P., Petraglia, F., Piomboni, P. Increased expression of neurogenic factors in uterine fibroids. (2019) *Human Reproduction*, 34 (11), pp. 2153-2162.
- 11. **Luddi, A.**, Zarovni, N., Maltinti, E., Governini, L., Leo, V., Cappelli, V., Quintero, L., Paccagnini, E., Loria, F., Piomboni, P. Clues to Non-Invasive Implantation Window Monitoring: Isolation and Characterisation of Endometrial Exosomes. (2019) *Cells*, 8 (8).
- Cipollini, M., Luisi, S., Piomboni, P., **Luddi, A.**, Landi, D., Melaiu, O., Figlioli, G., Garritano, S., Cappelli, V., Viganò, P., Gemignani, F., Petraglia, F., Landi, S. Functional polymorphism within NUP210 encoding for nucleoporin GP210 is associated with the risk of endometriosis. (2019) *Fertility and Sterility*, 112 (2), pp. 343-352.e1.
- **Luddi, A.**, Governini, L., Wilmskötter, D., Gudermann, T., Boekhoff, I., Piomboni, P. Taste receptors: New players in sperm biology. (2019) *International Journal of Molecular Sciences*, 20 (4), art. no. 967.
- Ricci, S., De Giorgi, S., Lazzeri, E., **Luddi, A.**, Rossi, S., Piomboni, P., De Leo, V., Pozzi, G. Impact of asymptomatic genital tract infections on in vitro Fertilization (IVF) outcome. (2018) *PLoS ONE*, 13 (11), art. no.
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- **Luddi, A.**, Gori, M., Marrocco, C., Capaldo, A., Pavone, V., Bianchi, L., Boschi, L., Morgante, G., Piomboni, P., de Leo, V. Matrix metalloproteinases and their inhibitors in human cumulus and granulosa cells as biomarkers for oocyte quality estimation. (2018) *Fertility and Sterility*, 109 (5), pp. 930-939.e3.
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- Bianchi, L., Carnemolla, C., Viviani, V., Landi, C., Pavone, V., **Luddi, A.**, Piomboni, P., Bini, L. Soluble protein fraction of human seminal plasma. (2018) *Journal of Proteomics*, 174, pp. 85-100.
- Gentiluomo, M., Crifasi, L., **Luddi, A.**, Locci, D., Barale, R., Piomboni, P., Campa, D. Taste receptor polymorphisms and male infertility. (2017) *Human Reproduction*, 32 (11), pp. 2324-2331.
- **Luddi, A.**, Gori, M., Crifasi, L., Marrocco, C., Belmonte, G., Costantino-Ceccarini, E., Piomboni, P. Impaired spermatogenesis in the twitcher mouse: A morphological evaluation from the seminiferous tubules to epididymal transit. (2017) *Systems Biology in Reproductive Medicine*, 63 (2), pp. 77-85.
- Carrarelli, P., Yen, C.-F., Funghi, L., Arcuri, F., Tosti, C., Bifulco, G., **Luddi, A.**, Lee, C.-L., Petraglia, F. Expression of Inflammatory and Neurogenic Mediators in Adenomyosis. (2017) *Reproductive Sciences*, 24 (3), pp. 369-375.
- **Luddi, A.**, Crifasi, L., Capaldo, A., Piomboni, P., Costantino-Ceccarini, E. Suppression of galactocerebrosidase premature termination codon and rescue of galactocerebrosidase activity in twitcher cells. (2016) *Journal of Neuroscience Research*, 94 (11), pp. 1273-1283.
- **Luddi, A.**, Crifasi, L., Quagliarello, A., Governini, L., De Leo, V., Piomboni, P. Single nucleotide polymorphisms of USP26 in azoospermic men. (2016) *Systems Biology in Reproductive Medicine*, 62 (6), pp. 372-378.
- Carrarelli, P., **Luddi, A.**, Funghi, L., Arcuri, F., Batteux, F., Dela Cruz, C., Tosti, C., Reis, F.M., Chapron, C., Petraglia, F. Urocortin and corticotrophin-releasing hormone receptor type 2 mRNA are highly expressed in deep infiltrating endometriotic lesions. (2016) *Reproductive BioMedicine Online*, 33 (4), pp. 476-483.

- **Luddi, A.**, Capaldo, A., Focarelli, R., Gori, M., Morgante, G., Piomboni, P., De Leo, V. Antioxidants reduce oxidative stress in follicular fluid of aged women undergoing IVF. (2016) *Reproductive Biology and Endocrinology*, 14 (1), art. no. 57.
- Rubino, P., Viganò, P., **Luddi, A.**, Piomboni, P. The ICSI procedure from past to future: A systematic review of the more controversial aspects. (2016) *Human Reproduction Update*, 22 (2), pp. 194-227.
- Gori, M., **Luddi, A.**, Belmonte, G., Piomboni, P., Tosti, C., Funghi, L., Zupi, E., Lazzeri, L., Petraglia, F. Expression of microtubule associated protein 2 and synaptophysin in endometrium: high levels in deep infiltrating endometriosis lesions. (2016) *Fertility and Sterility*, 105 (2), pp. 435-443.
- Bianchi, L., Gagliardi, A., Landi, C., Focarelli, R., De Leo, V., **Luddi, A.**, Bini, L., Piomboni, P. Protein pathways working in human follicular fluid: The future for tailored IVF? (2016) *Expert Reviews in Molecular Medicine*, 18, art. no. e9,
- Puggioni, E., Governini, L., Gori, M., Belmonte, G., Piomboni, P., Costantino-Ceccarini, E., **Luddi, A.** Morphological and molecular characterisation of Twitcher mouse spermatogenesis: An update. (2016) *Reproduction, Fertility and Development*, 28 (9), pp. 1258-1267.
- Rafi, M.A., Rao, H.Z., Luzi, P., **Luddi, A.**, Curtis, M.T., Wenger, D.A. Intravenous injection of AAVrh10-GALC after the neonatal period in twitcher mice results in significant expression in the central and peripheral nervous systems and improvement of clinical features. (2015) *Molecular Genetics and Metabolism*, 114 (3), pp. 459-466.
- Governini, L., Guerranti, C., De Leo, V., Boschi, L., **Luddi, A.**, Gori, M., Orvieto, R., Piomboni, P. Chromosomal aneuploidies and DNA fragmentation of human spermatozoa from patients exposed to perfluorinated compounds. (2015) *Andrologia*, 47 (9), pp. 1012-1019.
- Zanfini, A., Dreassi, E., Berardi, A., Piomboni, P., Costantino-Ceccarini, E., **Luddi, A.** GC-EL-MS analysis of fatty acid composition in brain and serum of twitcher mouse. (2014) *Lipids*, 49 (11), pp. 1115-1125.
- Berardi, A.S., Pannuzzo, G., Graziano, A., Costantino-Ceccarini, E., Piomboni, P., **Luddi, A.** Pharmacological chaperones increase residual  $\beta$ -galactocerebrosidase activity in fibroblasts from krabbe patients. (2014) *Molecular Genetics and Metabolism*, 112 (4), pp. 294-301. <https://www.scopus.com/inward/record.uri?eid=2-s2.0->
- Piomboni, P., Governini, L., Gori, M., Puggioni, E., Costantino-Ceccarini, E., **Luddi, A.** New players in the infertility of a mouse model of lysosomal storage disease: The hypothalamus-pituitary-gonadal axis. (2014) *Frontiers in Endocrinology*, 5 (JAN), art. no. Article 204.
- Piomboni, P., Focarelli, R., Capaldo, A., Stendardi, A., Cappelli, V., Cianci, A., La Marca, A., **Luddi, A.**, De Leo, V. Protein modification as oxidative stress marker in follicular fluid from women with polycystic ovary syndrome: the effect of inositol and metformin. (2014) *Journal of Assisted Reproduction and Genetics*, 31 (10), pp. 1269-1276.
- Governini, L., Carrarelli, P., Rocha, A.L.L., Leo, V.D., **Luddi, A.**, Arcuri, F., Piomboni, P., Chapron, C., Bilezikjian, L.M., Petraglia, F. FOXL2 in human endometrium: Hyperexpressed in endometriosis. (2014) *Reproductive Sciences*, 21 (10), pp. 1249-1255.
- Zanfini, A., Dreassi, E., Berardi, A., Governini, L., Corbini, G., Costantino-Ceccarini, E., Balestri, P., **Luddi, A.** Quantification of psychosine in the serum of twitcher mouse by LC-ESI-tandem-MS analysis. (2013) *Journal of Pharmaceutical and Biomedical Analysis*, 80, pp. 44-49.
- Piccini, B., Vascotto, M., Serracca, L., **Luddi, A.**, Margollicci, M.A., Balestri, P., Vindigni, C., Bassotti, G., Villanacci, V. HLA-DQ typing in the diagnostic algorithm of celiac disease. (2012) *Revista Espanola de Enfermedades Digestivas*, 104 (5), pp. 248-254.
- Bargagli, E., Olivieri, C., Margollicci, M., Bennett, D., **Luddi, A.**, Perrone, M., Maggiorelli, C., Prasse, A., Rottoli, P. Serum chitotriosidase levels in patients with allergic and non-allergic asthma. (2010) *Respiration*, 79 (5), pp. 437-438.
- Gambera, L., Governini, L., De Leo, V., **Luddi, A.**, Morgante, G., Tallis, V., Piomboni, P. Successful multiple pregnancy achieved after transfer of frozen embryos obtained via intracytoplasmic sperm injection with testicular sperm from an AZFc-deleted man. (2010) *Fertility and Sterility*, 94 (6), pp. 2330.e1-2330.e3.
- Strazza, M., **Luddi, A.**, Carbone, M., Rafi, M.A., Costantino-Ceccarini, E., Wenger, D.A. Significant correction of pathology in brains of twitcher mice following injection of genetically modified mouse neural progenitor cells. (2009) *Molecular Genetics and Metabolism*, 97 (1), pp. 27-34.

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- **Luddi, A.**, Margollicci, M., Gambera, L., Serafini, F., Cioni, M., De Leo, V., Balestri, P., Piomboni, P. Spermatogenesis in a man with complete deletion of USP9Y. (2009) *New England Journal of Medicine*, 360 (9), pp. 881-885.
- Bargagli, E., Bianchi, N., Margollicci, M., Olivieri, C., Luddi, A., Coviello, G., Grosso, S., Rottoli, P. Chitotriosidase and soluble IL-2 receptor: Comparison of two markers of sarcoidosis severity. (2008) *Scandinavian Journal of Clinical and Laboratory Investigation*, 68 (6), pp. 479-483.
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- Strazza, M., Luddi, A., Brogi, A., Carbone, M., Riccio, M., Santi, S., Melli, M., Costantino-Ceccarini, E. Activation of cell cycle regulatory proteins in the apoptosis of terminally differentiated oligodendrocytes. (2004) *Neurochemical Research*, 29 (5), pp. 923-931.
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