



Università degli Studi di Roma "Tor Vergata"

CURRICULUM DIDATTICO-SCIENTIFICO DEL PROF. MAURIZIO MATTEI

DATI PERSONALI

Nome e Cognome: Maurizio Mattei

Luogo e data di nascita: Cave (RM) 23.07.55

ATTUALE POSIZIONE: Professore Associato

Dipartimento: Biologia

Indirizzo: Via Della Ricerca Scientifica

Numero studio: +390672596396

E-mail: mattei@uniroma2.it

Orario ricevimento: martedì 10,00-13,00

Settore scientifico-disciplinare: MED/04

ATTIVITA' DIDATTICA - SCIENTIFICA

Titoli accademici e di studio:

Laurea in Scienze Biologiche, Univ. La Sapienza Roma

MSc Scienza degli animali da Laboratorio, Royal Vet. College. Univ. Di Londra

Formazione post-laurea presso istituzioni italiane ed estere ed incarichi professionali (didattici e di ricerca):

MSc Scienza degli animali da Laboratorio, Royal Vet. College. Univ. Di Londra

Finanziamenti e premi ricevuti per attività di ricerca:

Fondi per la ricerca ultimi 6 anni

-4 Co-Research projects Filas, Lazio Region;

-Ricerca finalizzata on leishmaniasis and toxoplasmosis;

-VII FP- De.v.a.n.i. project: a subcontractor for the development of an animal model in neonatal infections by *S. agalctiae* (GBS);

-2013 FILAS project "ANIMO"

Attività di ricerca: 15 pubblicazioni selezionate

1. Poccia F., Piselli P., Di Cesare S., Colizzi V., Mattei M., Bolognesi A., Stirpe F. Recognition and killing of tumour cells expressing heat shock protein 65KD with immunotoxin containing saporin. Br.J. Cancer 65, 427-432, 1992.
2. Zembala M.; Siedlar M., Ruggiero I., Wieckiewicz j., Mystar B., Mattei M., and Colizzi V. The MHC class II and CD-44 molecules are involved in the induction of tumor necrosis factor (TNF) gene expression by human monocytes stimulated with tumor cells. Int. J. Cancer. 56,269-274, 1994.
3. Mattei M., Bach S., Di Cesare S., Fraziano M., Placido R., Poccia F., Sammarco I., Moras A.M., Bardone M.R. and Colizzi V. CD4-8⁻ T cells increase in MRL/lpr mice treated with thymus factor. Int. J. Immunoph. 8: 651-658, 1994.
4. M. Mattei, E. Carnieri, V. Politi, S. D'Alessio, A. Sella, M. Cassol, A. Robeva, V. Colizzi and T. Summerska. Inhibition of contact hypersensitivity reaction (CHR) to pycril chloride- effect of

small molecular weight peptidomimetic compounds possessing inhibitory activity against metalloproteinases. Intern. Immunoph. 2, 699-710, 2002.

5. L. Fattorini, D. Tan, E. Iona, M. Mattei, F. Giannoni, L. Brunori, S. Recchia and G. Orefici. Activities of Moxifloxacin Alone and in combination with Other Antimicrobial Agents against Multidrug-resistant *M. tuberculosis* Infection in BALB/c mice. Antimicrobial Agents and Chemotherapy. 360-362 Jan. 2003.
6. Garg S.K., Volpe E., Palmieri G., Mattei M., Galati D, Martino A., Bonanno E., De Vito P, Baldini P.M., Spagnoli L.G., Colizzi V., Fraziano M. Sphingosine 1-phosphate induces antimicrobial activity both in vitro and in vivo. J. Inf. Dis. 189, 2129-2138, 2004.
7. Rita Casetti, Gemma Perretta, Alessandra Taglioni, Maurizio Mattei, Vittorio Colizzi, Miroslav Malkovsky, Francesco Dieli, Gianpiero D'Offizi, and Fabrizio Poccia. Drug-induced expansion and differentiation of Vg9Vd2 T cells in vivo: the role of exogenous IL-2. J. Immunol. 175: 1593-1598, 2005.
8. Gonfloni S, Di Tella L, Caldarola S, Cannata SM, Klinger FG, Di Bartolomeo C, Mattei M, Candi E, De Felici M, Melino G, Cesareni G. Inhibition of the c-Abl-TAp63 pathway protects mouse oocytes from chemotherapy-induced death. Nat Med. 2009 Oct;15(10):1179-85. doi: 10.1038/nm.2033. Epub 2009 Sep 27.
9. Simone Cardaci, Salvatore Rizza, Giuseppe Filomeni, Roberta Bernardini, Fabio Bertocchi, Maurizio Mattei, Maurizio Paci, Giuseppe Rotilio, and Maria Ciriolo (2012). Glutamine deprivation enhances antitumor activity of 3-bromopyruvate through the stabilization of monocarboxylate transporter-1 Cancer Res. 2012 Sep 1;72(17):4526-36. doi: 10.1158/0008-5472.CAN-12-1741. Epub 2012 Jul 6
10. Sacchetti, Cristiano; Motamedchaboki, Khaterreh; Magrini, Andrea; Palmieri, Graziana; Mattei, Maurizio; Bernardini, Sergio; Rosato, Nicola; Bottini, Nunzio; Bottini, Massimo Surface Polyethylene Glycol Conformation Influences the Protein Corona of Polyethylene Glycol-Modified Single-Walled Carbon Nanotubes: Potential Implications on Biological Performance. ACS Nano. 2013 Mar 26;7(3):1974-89. doi: 10.1021/nn400409h. Epub 2013 Feb 28
11. Masuelli L, Di Stefano E, Fantini M, Mattera R, Benvenuto M, Marzocchella L, Sacchetti P, Focaccetti C, Bernardini R, Tresoldi I, Izzi V, Mattei M, Frajese GV, Lista F, Modesti A, Bei R. Resveratrol potentiates the in vitro and in vivo anti-tumoral effects of curcumin in head and neck carcinomas. Oncotarget. 2014 Nov 15;5(21):10745-62. DOI:10.18632/oncotarget.2534
12. Rossi V, Lispi M, Longobardi S, Mattei M, Rella FD, Salustri A, De Felici M, Klinger FG. LH prevents cisplatin-induced apoptosis in oocytes and preserves female fertility in mouse. Cell Death Differ. 2016 Sep 30. doi: 10.1038/cdd.2016.97. [Epub ahead of print]
13. R. Bernardini, R. Aufieri, A. Detcheva, S. Recchia, R. Cicconi, M. Amicosante, C. Montesano, P. Rossi, H. K. Tchidjou, B. Petrunov, G. Orefici & M. Mattei (2016): Neonatal protection and preterm birth reduction following maternal group B streptococcus vaccination in a mouse model, The Journal of Maternal-Fetal & Neonatal Medicine, 2016 Dec 14:1-7 DOI:10.1080/14767058.2016.1265932
14. Masuelli L, Granato M, Benvenuto M, Mattera R, Bernardini R, Mattei M, d'Amati G, D'Orazi G, Faggioni A, Bei R, Cirone M. Chloroquine supplementation increases the cytotoxic effect of curcumin against Her2/neu overexpressing breast cancer cells *in vitro* and *in vivo* in nude mice while counteracts it in immune competent mice. Oncoimmunology. 2017 Jul 31;6(11):e1356151. doi: 10.1080/2162402X.2017.1356151. e Collection 2017. PMID: 29147611.
15. Alessandra Bielli, Roberta Bernardini, Dimitrios Varvaras, Piero Rossi, Giancarlo Di Blasi, Giuseppe Petrella, Oreste Claudio Buonomo, Maurizio Mattei, Augusto Orlandi. Characterization of a new decellularized bovine pericardial biological mesh: Structural and mechanical properties. Journal of the Mechanical Behavior of Biomedical Materials. Volume 78, February 2018, Pages 420-426.
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ACADEMIC AND SCIENTIFIC CURRICULUM OF PROF. MAURIZIO MATTEI

PERSONAL DATA

Name and Surname: Maurizio Mattei

Place and date of birth: Cave (RM) 23.07.55

CURRENT POSITION: Associate Professor

Department: Biology

Address: Via Della Ricerca Scientifica

Phone number: +390672596396

E-mail: mattei@uniroma2.it

Consulting hours: Tuesday 10,00-13,00

Italian Ministry of Education Academic-Scientific sector: MED/04

SCIENTIFIC AND DIDACTIC ACTIVITY

Education and academic positions:

Degree in Biological Sciences, Univ. La Sapienza Rome

MSc Laboratory Animal Science, Royal Vet. College. Univ. of London

Professional and didactic activities in Italian and Foreign Institutions:

MSc Laboratory Animal Science, Royal Vet. College. Univ. of London.

Awards and funding: Research funding (last 10 years)

-4 Co-Research projects Filas, Lazio Region;

Ricerca finalizzata on leishmaniasis and toxoplasmosis;

-VII FP- De.v.a.n.i. project: a subcontractor for the development of an animal model in neonatal infections by *S. agalctiae* (GBS);

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Research activity: 15 selected publications

1. Poccia F., Piselli P., Di Cesare S., Colizzi V., Mattei M., Bolognesi A., Stirpe F. Recognition and killing of tumour cells expressing heat shock protein 65KD with immunotoxin containing saporin. *Br.J. Cancer* 65, 427-432, 1992.
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14. Masuelli L, Granato M, Benvenuto M, Mattera R, Bernardini R, Mattei M, d'Amati G, D'Orazi G, Faggioni A, Bei R, Cirone M. Chloroquine supplementation increases the cytotoxic effect of curcumin against Her2/neu overexpressing breast cancer cells *in vitro* and *in vivo* in nude mice while counteracts it in immune competent mice. Oncoimmunology. 2017 Jul 31;6(11):e1356151. doi: 10.1080/2162402X.2017.1356151. e Collection 2017. PMID: 29147611.
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