



Dal 2013, il prof. Mai è Presidente del Corso di Laurea Magistrale a Ciclo Unico in Chimica e Tecnologia Farmaceutiche, Facoltà di Farmacia e Medicina, Sapienza Università di Roma.

Dal 2014, il prof. Mai è membro della Commissione Istruttoria per i Dottorati di Ricerca di Sapienza Università di Roma, che assicura la qualità dei Dottorati di Ricerca Sapienza preparandoli ad hoc per l'approvazione da parte dell'ANVUR.

Dal 2016, il prof. Mai è Esperto di Sistema per le Visite di Accreditamento ANVUR degli Atenei italiani.

ATTIVITA' DIDATTICA

- 1) Chimica Farmaceutica e Tossicol. 2, CTF, dal 2011 ad oggi
- 2) Analisi dei Medicinali/Analisi Chimico Farmaceutica e Tossicologica 1, CTF, dal 1998 al 2010
- 3) Biotecnologie Farmaceutiche, Biotecnologie (2002-2004)
- 4) Chimica Farmaceutica, Biotecnologie (2003-2006)
- 5) Chimica Farmaceutica e Tossicol. 2, Farmacia (2005)
- 6) Chimica Farmaceutica e Tossicol. 3, CTF, dal 2007 ad oggi
- 7) Chimica Tossicologica, CTF (2005, 2006)
- 8) Modulo di Chimica Farmaceutica in Master in Bioinformatica (2002-2005)
- 9) Modulo di Chimica Farmaceutica 1 in SSFO (dal 2007 ad oggi)

ATTIVITA' SCIENTIFICA

L'attività di ricerca del prof. Antonello Mai, espressa in oltre 280 pubblicazioni, 7 brevetti ed oltre 400 comunicazioni a congressi, può essere riferita a quattro settori fondamentali: a) progettazione e sintesi di piccole molecole come modulatori di targets epigenetici coinvolti nel controllo di trascrizione genica (HDACs, HATs, SIRTs, HMTs, HDMs, DNMTs). Potenzialità terapeutiche nel campo dell'oncologia e delle malattie neurodegenerative e muscolari; b) ricerche su sostanze attive sul S.N.C.; c) ricerche su sostanze ad attività antivirale (inibitori specifici della trascrittasi inversa dell'HIV-1); d) ricerche su sostanze ad attività antibatterica, antimicobatterica ed antifungina. Le ricerche sono state e sono attualmente svolte dal prof. Mai presso il Dipartimento di Chimica e Tecnologie del Farmaco, Sapienza Università di Roma, avvalendosi di un gran numero di collaborazioni nazionali e internazionali, testimoniate dai lavori pubblicati in comune.

INDICI BIBLIOMETRICI: totale pubblicazioni = 287 (Scopus, 14/03/2019);

IF >600, IF medio 5,5;

h-index = 50, n. totale citazioni = 8.627 (Scopus, 14/03/2019).

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(aggiornato a marzo 2019)

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2. Mattioli E, Andrenacci D, Mai A, Valente S, Robijns J, De Vos WH, Capanni C, Lattanzi G. Statins and Histone Deacetylase Inhibitors Affect Lamin A/C - Histone Deacetylase 2 Interaction in Human Cells. *Front Cell Dev Biol*. 2019 Jan 31;7:6. doi: 10.3389/fcell.2019.00006.



3. Was H, Krol SK, Rotili D, Mai A, Wojtas B, Kaminska B, Maleszewska M. Histone deacetylase inhibitors exert anti-tumor effects on human adherent and stem-like glioma cells. *Clin Epigenetics*. 2019 Jan 17;11(1):11. doi: 10.1186/s13148-018-0598-5.
4. Atehortua-Martinez LA, Masniere C, Campolongo P, Chasseigneaux S, Callebert J, Zwergel C, Mai A, Laplanche JL, Chen H, Etheve-Quellejeu M, Mégarbane B, Benturquia N. Acute and chronic neurobehavioral effects of the designer drug and bath salt constituent 3,4-methylenedioxypropylvalerone in the rat. *J Psychopharmacol*. 2019 Mar;33(3):392-405. doi: 10.1177/0269881118822151.
5. Guida MC, Birse RT, Dall'Agnese A, Toto PC, Diop SB, Mai A, Adams PD, Puri PL, Bodmer R. Intergenerational inheritance of high fat diet-induced cardiac lipotoxicity in *Drosophila*. *Nat Commun*. 2019 Jan 14;10(1):193. doi: 10.1038/s41467-018-08128-3.
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