

Dr. Andrea Calcagno

Current position Since October 2012 Temporary Assistant Professor in Infectious Diseases (“type B” since October 2017), Department of Medical Sciences, University of Torino.

Education Infectious Diseases Specialist since December 2007; graduated with honours at the University of Torino with a dissertation on the pharmacogenetics of nevirapine entitled “Effects of Cytochrome P450 2B6 Single Nucleotide Polymorphisms on the pharmacokinetic profile of nevirapine in a heterogenous cohort of HIV-infected patients”.

Diploma in Tropical Medicine & Hygiene (DTM&H) at the Mahidol University, Bangkok, Thailand during 2006.

Graduated with honours in Medicine and Surgery at the University of Torino, Torino, Italy with a dissertation on antibiotic resistance in Intensive Care Units.

Admitted to the college of Physicians of Torino on the 19th December 2003. On the same year gained the BLS and ATLS certificates.

Clinical Experience Temporary Research Fellow at the University of Torino, Department of Infectious Diseases (March 2008- March 2012): shifts as Infectious Diseases Specialist and clinical research. Receiving a grant from the University of Torino for a research project entitled “Pharmacokinetics and Pharmacogenetics of raltegravir”.

Six months (October 2006 – April 2007) and then one month (February 2009) in a rural hospital in Burundi as responsible of Paediatric and Malnourished children ward (50 beds) and HIV clinic. During this period two studies were conducted (on malaria and HIV).

Since October 2003 working in the HIV Clinic of the "Ospedale Amedeo di Savoia" in Torino mainly researching pharmacokinetics and pharmacodynamics of antiretroviral drugs. Participated in the conduction of phase II and phase III Clinical Trials.

During August 2003 one month attendance in the Internal Medicine ward of the University Hospital in Khartoum (Sudan).

2001/2 medical course attended at the University of Cordoba, Cordoba, Spain.

Spoken Languages Good knowledge of English and Spanish, basic knowledge of French. Italian as mother tongue.

Teaching Experience From the academic year 2013/2014 responsible of the Infectious Diseases course at the Nursing School and from the academic year 2017/2018 at the School of Medicine and

Surgery, University of Torino. Since 2007 participates in the preparation and conduction of lectures during the Infectious Diseases Course at the University of Torino (both to Medical Students and Nursing school students). Since 2012 teaching in the post-graduate school in Infectious Diseases at the University of Torino.

2007-present lecturer at the “Residential Course on Clinical Pharmacology of Antiretrovirals” organized by the Unit of Infectious Diseases, Department of Medical Sciences, University of Torino.

**Associate
Professor
Qualification**

National Scientific Qualification (art.16 of the law 30 December 2010, n.240) for Associate Professor obtained on August 3rd 2017 (and valid until August 3rd, 2023).

**Ordinary
Professor
Qualification**

National Scientific Qualification (art.16 of the law 30 December 2010, n.240) for Ordinary Professor obtained on October 31st 2018 (and valid until October 30th, 2024).

Appointments

In October 2015 elected member of the Governing Council of the Italian Society of Infectious Diseases and Tropical Medicine (SIMIT).

Editorial Board

Since 2018, Academic Editor of “PlosOne”.

Since 2017, Coordinator of the Study group on Mycobacteria of the Italian Society of Infectious Diseases and Tropical Medicine (SIMIT).

Since 2017 in the Scientific Committee of “IRENE” (Italian Registry of Pulmonary non tubercular Mycobacteria).

Since 2015 member of the GEPPPO (GEriatric Patients living with HIV/AIDS: a Prospective Multidimensional cOhort) Study Group and from 2017 in the Scientific Committee of the cohort.

Since 2015, Vice Editor of “Infectious Diseases and Tropical Medicine”.

Since 2015, in the Scientific Committee of the ICONA foundation (Italian Cohort Naïve Antiretrovirals).

Since 2013, Associate Editor of “BMC Infectious Diseases” Journal.

**Conference
Organization**

Since 2018, Member of the Organizing Committee of the International “Antivirals PK Workshop”.

Member of the Scientific Committee of the 12th Italian Conference on AIDS and Retroviruses, 2020, 5-7 May, Riccione, Italy.

Member of the Scientific Committee of the 11th Italian Conference on AIDS and Retroviruses, 2019, 5-7 June, Milan, Italy.

Member of the Scientific Committee of the 10th Italian Conference on AIDS and Retroviruses, 2018, 22-24 May, Rome, Italy.

Member of the Scientific Committee of the 9th Italian Conference on AIDS and Retroviruses, 2017, 12-14 June, Siena, Italy.

Member of the Scientific Committee of the 8th Italian Conference on AIDS and Retroviruses, 2016, 6-8 June, Milano, Italy.

Member of the Scientific Committee of the 5th Italian Conference on AIDS and Retroviruses, 2013, 12-14 May, Torino, Italy.

Guidelines

Since 2012 he is in the HIV/AIDS expert Panel writing the Italian Guidelines on the use of antiretroviral drugs and on the management of HIV-positive patients.

International Collaborations

Since 2014, Collaboration with the Infectious Disease Institute, Makerere University, Kampala, Uganda. Capacity building for the creation of a Laboratory of Pharmacogenetics in Uganda and conduction of phase IV studies. He won an Erasmus+ project (in collaboration with the Department of Social Sciences) for the years 2020-2022 for promoting the exchange between the University of Torino and the Makerere University.

Awards

- Winner of the "ICAR CROI Award 2012" for young Italian researchers for the project entitled "Determinants of Tenofovir Plasma Trough Concentrations: a Cross-sectional Analysis in the Clinical Setting" (Calcagno A et al. 19th Conference on Retroviruses and Opportunistic Infections, 5-8 Marzo 2012, P603).
- Winner of the "ICAR CROI Award 2013" for young Italian researchers for the project entitled "Cerebrospinal Fluid Viral and Neurodegenerative Markers in HIV-positive Very Late-presenters." Calcagno A et al. 20th Conference on Retroviruses and Opportunistic Infections, 3-6 Marzo 2013, Atlanta, GE, USA. P438).
- Winner of the "ICAR CROI Award 2014" for young Italian researchers for the project entitled "ABCC4 3348 T>C SNP Affects Tenofovir Urinary Output in HIV-Positive Patients". (Calcagno A, et al. 21st Conference on Retroviruses and Opportunistic Infections, March 3-6 2014, Boston, MA, USA. P 503).
- Winner of the "ICAR CROI Award 2015" for young Italian researchers for the project entitled "Neurocognitive Screening Tests Are Associated with Cardiovascular Risk and VACS scores" (Calcagno A, et al. 22nd Conference on Retroviruses and Opportunistic Infections, february 23-26, 2015, Seattle, WA, USA. P487).
- Winner of the "ICAR CROI Award 2016" for young Italian researchers for the project entitled "Predicting Drug Discontinuation in TDF-Tolerant Patients: A

Prospective PK/PG Study" (Calcagno A, et al. 23rd Conference on Retroviruses and Opportunistic Infections. Boston, MA, US. February 22-25, 2016. P426).

- Winner of the special jury "ICAR CROI Award 2017" for young Italian researchers for the project entitled "Discordant HIV RNA in Olfactory Mucosa of HIV-positive Patients" (Calcagno A, et al. 24th Conference on Retroviruses and Opportunistic Infections, February 13-16, 2017, Seattle, WA, USA. P379).

Fund Raising

- "Ricerca Finalizzata 2013": 225.246 € for the network projects NET-2013-02355333-4 "Plasma, intracellular and tissue concentrations reached by a multi-target antiretroviral treatment during the treatment of patients with primary HIV infection: a pharmacokinetic/pharmacodynamic study".
- BMS grant support 2014: 20000 € for the project "Intracellular penetration of antiretrovirals into astrocytes: an in vitro study".
- Gilead Fellowship 2014: 15000 € for the project "Antiretroviral toxicity on astrocytes: an *in vitro* and *in vivo* study".
- Gilead Fellowship 2012: 25000 € for the project "Determinants of proximal tubular dysfunction in HIV-positive patients: a cross-sectional analysis in patients above 50 years of age"

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Publications

1. Cusato J, Calcagno A, Marinaro L, Avataneo V, D'Avolio A, Di Perri G, Bonora S. Pharmacogenetic determinants of kidney-associated urinary and serum abnormalities in antiretroviral-treated HIV-positive patients. **Pharmacogenomics J. 2019** [Epub ahead of print] Impact factor: 3.503.
2. Focà E, Magro P, Guaraldi G, Riva A, Cattelan AM, De Socio GV, Costa C, Piconi S, Celesia BM, Nozza S, Orofino G, Castagna A, Di Perri G, Castelli F, Calcagno A; GEPO (GERiatric Patients living with HIV/AIDS: a Prospective Multidimensional cOhort) Study Group. Elderly HIV-positive women: A gender-based analysis from the Multicenter Italian "GEPO" Cohort. **PLoS One. 2019 Oct 17;14(10):e0222225.** Impact factor: 2.776.
3. Trunfio M, Manini C, Trentalange A, Boghi A, Audagnotto S, Imperiale D, Taraglio S, Bonora S, Di Perri G, **Calcagno A.** The "milky way" galaxy of HIV-related central nervous system immune reaction syndromes. **J Neurovirol. 2019 Jun 18.** [Epub ahead of print] Impact factor: 2.302.
4. Di Stefano A, Alcantarini C, Atzori C, Lipani F, Imperiale D, Burdino E, Audagnotto S, Mighetto L, Milia MG, Di Perri G, **Calcagno A.** Cerebrospinal fluid biomarkers in patients with central nervous system infections: a retrospective study. **CNS Spectr. 2019 May 27:1-7.** [Epub ahead of print] Impact factor: 3.940.
5. Armenia D, Di Carlo D, Cozzi-Lepri A, **Calcagno A,** Borghi V, Gori C, Bertoli A, Gennari W, Bellagamba R, Castagna A, Latini A, Pinnetti C, Cicalini S, Saracino A, Lapadula G, Rusconi S, Castelli F, Di Giambenedetto S, Andreoni M, Di Perri G, Antinori A, Mussini C, Ceccherini-Silberstein F, Monforte AD, Perno CF, Santoro MM; ICONA Foundation Study Group. Very high pre-therapy viral load is a predictor of virological rebound in HIV-1-infected

- patients starting a modern first-line regimen. **Antivir Ther.** **2019 Apr 12.** [Epub ahead of print] Impact factor: 2.140.
6. Cusato J, **Calcagno A**, De Nicolò A, Mogyorosi K, D'Avolio A, Di Perri G, Bonora S. Tenofovir Alafenamide and Tenofovir Disoproxil Fumarate are not transported by Concentrative Nucleoside Transporter 2. **Diagn Microbiol Infect Dis.** **2019 Jun**; 94(2):202-204. Impact factor: 2.314.
 7. Sekaggya-Wiltshire C, Chirehwa M, Musaazi J, von Braun A, Buzibye A, Muller D, Gutteck U, Motta I, **Calcagno A**, Fehr JS, Kambugu A, Castelnuovo B, Lamorde M, Denti P. Low Antituberculosis Drug Concentrations in HIV-Tuberculosis-Coinfected Adults with Low Body Weight: Is It Time To Update Dosing Guidelines? **Antimicrob Agents Chemother.** **2019 May 24**;63(6). Impact factor: 4.715.
 8. Ssebambulidde K, Segawa I, Laker E, Lamorde M, Castelnuovo B, Nakasujja N, Calcagno A. Symptomatic cerebrospinal fluid HIV-1 escape in two patients on second-line antiretroviral therapy in Uganda. **Oxf Med Case Reports.** **2019.** *Not Impacted.*
 9. Calcagno A, Cusato J, Sekaggya-Wiltshire C, von Braun A, Motta I, Turyasingura G, Castelnuovo B, Fehr J, Di Perri G, Lamorde M. The Influence of Pharmacogenetic Variants in HIV/Tuberculosis Co-infected Patients in Uganda in the SOUTH Study. **Clin Pharmacol Ther.** **2019.** *Impact Factor 2017: 6.544.*
 10. Pinzone MR, Ceccarelli M, Venanzi Rullo E, Maresca M, Bruno R, Condorelli F, Di Rosa M, Madeddu G, Focà E, Calcagno A, Celesia BM, Cacopardo B, Nunnari G, Pellicanò GF. Circulating angiopoietin-like protein 2 levels are associated with decreased renal function in HIV+ subjects on cART: A potential marker of kidney disease. **Biomed Rep.** **2019.** *Not Impacted.*
 11. Peyracchia M, Verardi R, Rubin SR, Abu-Assi E, Montrucchio C, Perl L, Grossomarra W, Calcagno A, Omedè P, Montefusco A, Bonora S, Moretti C, D'Amico M, Mauro R, D'Ascenzo F. In-hospital and long-term outcomes of HIV-positive patients undergoing PCI according to kind of stent: a meta-analysis. **J Cardiovasc Med (Hagerstown).** **2019.** *Impact Factor 2017: 1.67.*
 12. Mondì A, Cozzi-Lepri A, Tavelli A, Rusconi S, Vichi F, Ceccherini-Silberstein F, Calcagno A, De Luca A, Maggiolo F, Marchetti G, Antinori A, d'Arminio Monforte A; Iona Foundation Study Group. Effectiveness of dolutegravir-based regimens as either first-line or switch antiretroviral therapy: data from the Iona cohort. **J Int AIDS Soc.** **2019**;22(1):e25227. *Impact Factor 2017: 5.131.*
 13. Lupia T, Costa C, Forni N, Calcagno A. A "Tinea" immune reconstitution inflammatory syndrome in a HIV-positive patient starting combination antiretroviral treatment. **G Ital Dermatol Venereol.** **2019.** *Impact Factor 2017: 1.327.*
 14. Bertero L, Joseph SB, Trunfio M, Alice T, CATERA S, Imperiale D, Cassoni P, Kincer LP, Pirriatore V, Ghisetti V, Amasio E, Zanusso G, Bonora S, Di Perri G, Calcagno A. HIV-1 detection in the olfactory mucosa of HIV-1 infected participants. **AIDS.** **2019.** *Impact Factor 2017: 4.914.*
 15. Borghetti A, Calcagno A, Lombardi F, Cusato J, Belmonti S, D'Avolio A, Ciccarelli N, La Monica S, Colafigli M, Delle Donne V, De Marco R, Tamburrini E, Visconti E, Di Perri G, De Luca A, Bonora S, Di Giambenedetto

- S. SLC22A2 variants and dolutegravir levels correlate with psychiatric symptoms in persons with HIV. **J Antimicrob Chemother.** **2018.** *Impact Factor 2017: 5.217.*
16. Trunfio M, Pinnetti C, Focà E, Bai F, Maffongelli G, Celani L, Cinque P, Celotti A, Andreoni M, Monforte AD, D'Ettorre G, Antinori A, Calcagno A. Cerebrospinal fluid HIV-1 escape according to different thresholds and underlying comorbidities: is it time to assess the definitions? **AIDS.** **2018.** *Impact Factor 2017: 4.914.*
17. Di Perri G, Calcagno A, Trentalange A, Bonora S. The clinical pharmacology of integrase inhibitors. **Expert Rev Clin Pharmacol.** **2018.** *Impact Factor 2017: 2.758.*
18. Calcagno A, Fiumanò M, Zugna D, Cusato J, Montrucchio C, Marinaro L, Trentini L, Ferrara M, D'Avolio A, Pizzi C, Di Perri G, Bonora S. Tenofovir disoproxil fumarate discontinuation for renal outcomes: any room for treatment personalization? **Pharmacogenomics J.** **2019**;19(1):65-71. *Impact Factor 2017: 3.812.*
19. von Braun A, Castelnuovo B, Ledergerber B, Cusato J, Buzibye A, Kambugu A, Fehr J, Calcagno A, Lamorde M, Sekaggya-Wiltshire C. High efavirenz serum concentrations in TB/HIV-coinfected Ugandan adults with a CYP2B6 516 TT genotype on anti-TB treatment. **J Antimicrob Chemother.** **2019**;74(1):135-138. *Impact Factor 2017: 5.217.*
20. Trentalange A, Prochet A, Imperiale D, Cusato J, Tettoni M, Nunnari G, Barco A, Bonora S, Di Perri G, Calcagno A. Cerebral white matter Hyperintensities in HIV-positive patients. **Brain Imaging Behav.** **2018.** *Impact Factor 2017: 3.719.*
21. Aliberti S, Codecasa LR, Gori A, Sotgiu G, Spotti M, Di Biagio A, Calcagno A, Nardini S, Assael BM, Tortoli E, Besozzi G, Ferrarese M, Matteelli A, Girardi E, De Lorenzo S, Seia M, Gramegna A, Del Prato B, Terranova L, Oriano M, Sverzellati N, Mirsaeidi M, Chalmers JD, Haworth CS, Loebinger MR, Aksamit T, Winthrop K, Ringshausen FC, Previdi G, Blasi F; IRENE Network. The Italian registry of pulmonary non-tuberculous mycobacteria - IRENE: the study protocol. **Multidiscip Respir Med.** **2018** Aug 9;13(Suppl 1):33. doi: 10.1186/s40248-018-0141-8. eCollection 2018. *Not Impacted.*
22. Merlini E, Iannuzzi F, Calcagno A, Bai F, Trunfio M, d'Arminio Monforte A, Bonora S, Marchetti G. Peripheral and cerebrospinal fluid immune activation and inflammation in chronically HIV-infected patients before and after virally suppressive combination antiretroviral therapy (cART). **J Neurovirol.** **2018** Jul 9. doi: 10.1007/s13365-018-0661-1. [Epub ahead of print] *Impact Factor 2016: 3.206.*
23. Scabini S, Trunfio M, Pirriatore V, Imperiale D, Audagnotto S, Bertucci R, Ghisetti V, Cinnirella G, Cistaro A, Perna M, Calcagno A, Di Perri G. Antiviral activity of maraviroc plus mirtazapine in a low-risk HIV-negative patient with progressive multifocal leukoencephalopathy. **Infez Med.** **2018** Jun 1;26(2):160-163. *Not Impacted.*
24. Allegra S, Cardellino CS, Fatiguso G, Cusato J, De Nicolò A, Avataneo V, Bonora S, D'Avolio A, Di Perri G, Calcagno A. Effect of ABCC2 and ABCG2 Gene Polymorphisms and CSF-to-Serum Albumin Ratio on Ceftriaxone Plasma and

- Cerebrospinal Fluid Concentrations. **J Clin Pharmacol.** **2018** Jun 6. doi: 10.1002/jcph.1266. [Epub ahead of print] *Impact factor 2017: 2.881.*
25. Focà E, Cavaglià G, Rusconi S, Cascavilla A, Cenderello G, Re A, Casari S, van den Bogaart L, Zinzani PL, Caracciolo D, Di Perri G, Bonito A, Lucchini A, Cassola G, Viale P, Calcagno A. Survival in HIV-infected patients with lymphoma according to the choice of antiretroviral treatment: an observational multicentre study. **HIV Med.** **2018** Jun 4. doi: 10.1111/hiv.12624. [Epub ahead of print] *Impact factor 2017: 2.932.*
 26. Peyracchia M, De Lio G, Montrucchio C, Omedè P, d'Ettore G, Calcagno A, Vullo V, Cerrato E, Pennacchi M, Sardella G, Manga P, GrossoMarra W, Vullo F, Fedele F, Biondi-Zoccai G, Moretti C, Vachiat A, Bonora S, Rinaldi M, Mancone M, D'Ascenzo F. Evaluation of coronary features of HIV patients presenting with ACS: The CUORE, a multicenter study. **Atherosclerosis.** **2018** Jul;274:218-226. doi: 10.1016/j.atherosclerosis.2018.05.001. Epub 2018 May 5. *Impact factor 2017: 4.467.*
 27. Trunfio M, Vai D, Montrucchio C, Alcantarini C, Livelli A, Tettoni MC, Orofino G, Audagnotto S, Imperiale D, Bonora S, Di Perri G, Calcagno A. Diagnostic accuracy of new and old cognitive screening tools for HIV-associated neurocognitive disorders. **HIV Med.** **2018** May 15. doi: 10.1111/hiv.12622. [Epub ahead of print] *Impact factor 2017: 2.932.*
 28. Focà E, Calcagno A, Bonito A, Cusato J, Domenighini E, D'Avolio A, Quiros Roldan E, Trentini L, Castelnuovo F, Di Perri G, Castelli F, Bonora S. Pharmacokinetic Changes during Pregnancy According to Genetic Variants: a Prospective Study in HIV-Infected Patients Receiving Atazanavir-Ritonavir. **Antimicrob Agents Chemother.** **2018** Jun 26;62(7). pii: e00309-18. doi: 10.1128/AAC.00309-18. Print 2018 Jul. *Impact factor 2017: 4.255.*
 29. Guaraldi G, Malagoli A, Calcagno A, Mussi C, Celesia BM, Carli F, Piconi S, De Socio GV, Cattelan AM, Orofino G, Riva A, Focà E, Nozza S, Di Perri G. The increasing burden and complexity of multi-morbidity and polypharmacy in geriatric HIV patients: a cross sectional study of people aged 65 - 74 years and more than 75 years. **BMC Geriatr.** **2018** Apr 20;18(1):99. doi: 10.1186/s12877-018-0789-0. *Impact factor 2017: 2.866.*
 30. Calcagno A, Pinnetti C, De Nicolò A, Scarvaglieri E, Gisslen M, Tempestilli M, D'Avolio A, Fedele V, Di Perri G, Antinori A, Bonora S. Cerebrospinal fluid abacavir concentrations in HIV-positive patients following once-daily administration. **Br J Clin Pharmacol.** **2018** Feb 14. doi: 10.1111/bcp.13552. [Epub ahead of print] *Impact factor 2016: 3.493.*
 31. Bigliano P, Calcagno A, Lucchini A, Audagnotto S, Montrucchio C, Marinaro L, Alcantarini C, Ghisetti V, Di Perri G, Bonora S. The outcome of HIV-positive late presenters according to detectable CMV DNA and anti-CMV treatment. **Antivir Ther.** **2018** Jan 26. doi: 10.3851/IMP3221. [Epub ahead of print] *Impact factor 2016: 2.594.*
 32. Calcagno A, Barco A, Trunfio M, Bonora S. CNS-Targeted Antiretroviral Strategies: When Are They Needed and What to Choose. **Curr HIV/AIDS Rep.** **2018** [Epub ahead of print] *Impact factor 2016: 4.038.*
 33. Palazzo A, Trunfio M, Pirriatore V, Milesi M, De Nicolò A, Alcantarini C, D'Avolio A, Bonora S, Di Perri G, Calcagno A. Lower dolutegravir plasma

- concentrations in HIV-positive patients receiving valproic acid. **J Antimicrob Chemother.** **2017.** [Epub ahead of print] Impact factor 2016: 5.071.
34. Trunfio M, Joseph SB, Ghisetti V, Romito A, Martini C, Cusato J, Audagnotto S, Pesci Kincer L, Ferrara M, Sala A, Imperiale D, Di Perri G, Calcagno A. Symptomatic cerebrospinal fluid HIV-1 escape with no resistance-associated mutations following low-level plasma viremia. **J Neurovirol.** **2017** [Epub ahead of print] Impact Factor 2016: 3.206.
 35. Motta I, Calcagno A, Bonora S. Pharmacokinetics and pharmacogenetics of anti-tubercular drugs: a tool for treatment optimization? **Expert Opin Drug Metab Toxicol.** **2018**;14(1):59-82. Impact Factor 2016: 3.027.
 36. Cusato J, Allegra S, Nicolò A, Calcagno A, D'Avolio A. Precision medicine for HIV: where are we? **Pharmacogenomics.** **2018** Jan;19(2):145-165. Impact factor 2016: 2.350.
 37. Motta I, Trunfio M, Calcagno A, Pirriatore V, Scabini S, Palazzo A, Audagnotto S, Fatiguso G, Liberini V, Bellò M, D'Avolio A, Di Perri G, Bonora S. Undetectable antimicrobial plasma concentrations in an HIV-positive patient with protein-losing enteropathy and chylothorax during Mycobacterium genavense and Leishmania abdominal infections. **J Antimicrob Chemother.** **2017** [Epub ahead of print] Impact factor 2016: 5.071.
 38. Focà E, Calcagno A, Bonito A, Simiele M, Domenighini E, D'Avolio A, Quiros Roldan E, Trentini L, Casari S, Di Perri G, Castelli F, Bonora S. Atazanavir intracellular concentrations remain stable during pregnancy in HIV-infected patients. **J Antimicrob Chemother.** **2017**;72(11):3163-3166. Impact factor 2016: 5.071.
 39. Calcagno A, Piconi S, Focà E, Nozza S, Carli F, Montrucchio C, Cattelan AM, Orofino G, Celesia BM, Morena V, De Socio GV, Guaraldi G; GEPPPO (GERiatric Patients living with HIV/AIDS: a Prospective Multidimensional cOhort) Study Group. Role of Normalized T-Cell Subsets in Predicting Comorbidities in a Large Cohort of Geriatric HIV-infected Patient. **J Acquir Immune Defic Syndr.** **2017** [Epub ahead of print]. Impact factor 2016: 3.935.
 40. Mornese Pinna S, Scarvaglieri E, Milia MG, Imperiale D, Ghisetti V, Audagnotto S, Prochet A, Lipani F, Bonora S, Di Perri G, Calcagno A. Detectable cerebrospinal fluid JCV DNA in late-presenting HIV-positive patients: beyond progressive multifocal leukoencephalopathy? **J Neurovirol.** **2017** [Epub ahead of print] Impact factor 2016: 3.206.
 41. Nozza S, Malagoli A, Maia L, Calcagno A, Focà E, De Socio G, Piconi S, Orofino G, Cattelan AM, Celesia BM, Gervasi E, Guaraldi G; GEPPPO Study Group. Antiretroviral therapy in geriatric HIV patients: the GEPPPO cohort study. **J Antimicrob Chemother.** **2017** [Epub ahead of print] Impact factor 2016: 5.071;
 42. Allegra S, Fatiguso G, Calcagno A, Baietto L, Motta I, Favata F, Cusato J, Bonora S, Di Perri G, D'Avolio A. Role of vitamin D pathway gene polymorphisms on rifampicin plasma and intracellular pharmacokinetics. **Pharmacogenomics.** **2017**;18(9):865-880. [Epub ahead of print]. Impact factor 2016: 2.350;
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46. Calcagno A, Pagani N, Ariaudo A, Arduino G, Carcieri C, D'Avolio A, Marinaro L, Tettoni MC, Trentini L, Di Perri G, Bonora S. Therapeutic drug monitoring of boosted PIs in HIV-positive patients: undetectable plasma concentrations and risk of virological failure. **J Antimicrob Chemother.** **2017.** [Epub ahead of print]. Impact factor 2016: 5.071.
47. Biagini R, Montrucchio C, Calcagno A, Trentini L, Tettoni MC, Alcantarini C, Barco A, Trentalange A, Milesi M, Ferrara M, Bertucci R, Di Perri G, Bonora S. Geriatrics in HIV infection: multimorbidity, polypharmacy and primary prevention in patients above 65 years). **Journal of HIV and Ageing.** **2017**;1:19-25. Not Impacted
48. Motta I, Alice T, Romito A, Ferrara M, Ecclesia S, Imperiale D, Ghisetti V, Di Perri G, Bonora S, Calcagno A. Cerebrospinal fluid viral load and neopterin in HIV-positive patients with undetectable viraemia. **Antivir Ther.** **2017** [Epub ahead of print]. Impact factor 2015: 2.910;
49. Motta I, Calcagno A, Baietto L, Bigliano P, Costa C, Baruffi K, Fatiguso G, D'Avolio A, Di Perri G, Bonora S. Pharmacokinetics of first-line antitubercular drugs in plasma and PBMCs. **Br J Clin Pharmacol.** **2017.** [Epub ahead of print] Impact factor 2015: 3.830;
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 Citations: 1443; Average Citations: 9.7
 H-index (Scopus):20
 H-index (Google Scholar): 24
 i10-index (Google Scholar): 74

**Lectures at
National and
International
Conferences**

- Calcagno A and Cavassini M. "HIV-associated neurocognitive disorders and neurological complications – An update" – 17th European AIDS Conference – November 6-9 2019, Basel, Switzerland.
- Calcagno A. "Antiretrovirals distribution in sanctuaries" – 11th Italian Conference on AIDS and Antiviral Research – June 5-7, 2019, Milan, Italy.
- Calcagno A. "Last Advances in HIV Pharmacogenomics" - 19th International Workshop on Clinical Pharmacology of Antiviral Therapy, 22 - 24 May 2018, Baltimore, Maryland, USA
- Calcagno A, et al. "Age, Inflammation, Blood Brain Barrier Permeability and Single Nucleotide Polymorphisms in Transporters May Influence Cerebrospinal Fluid Antiretrovirals' Concentrations" - 19th International Workshop on Clinical Pharmacology of Antiviral Therapy, 22 - 24 May 2018, Baltimore, Maryland, USA
- Calcagno A, et al. "SLC22A2 Genetic Variants and Dolutegravir Trough Concentrations Correlate with Specific Psychiatric Symptoms in HIV-positive Patients on Dolutegravir" - 19th International Workshop on Clinical Pharmacology of Antiviral Therapy, 22 - 24 May 2018, Baltimore, Maryland, USA
- Calcagno A. "La gestione dell'HIV nella popolazione che invecchia" - XVI Congresso Nazionale SIMIT – Salerno 15-18 Ottobre 2017
- Calcagno A. "Asymptomatic CSF Escape" - Seventh International Meeting on HIV Infection of the Central Nervous System – Pollenzo – 12-14th October, 2017
- Calcagno A. "Pharmacokinetic correlates of effective HAART"- 8th Italian Conference on AIDS and Retroviruses, 2016, 6-8 June, Milano, Italy.
- Calcagno A. "Therapeutics of the CNS With HIV Infection". Conference on Retroviruses and Opportunistic Infections. Boston, MA, US. February 22-25, 2016.
- Calcagno A. "Toxicities in HIV". 15th European AIDS Conference. October 20th-24th 2015. Barcelona, Spain.
- Calcagno A, et al. "The relevance of CSF PK in managing CNS ART effectiveness". Sixth International meeting on HIV infection of the Central Nervous System. October 8th-10th 2015, Matera, Italy
- Calcagno A, et al. "Antiretroviral Drug Concentrations in the Central Nervous System: Scarce, Enough or Too Much?". 7th Italian Conference on AIDS and Retroviruses, 2015, 17-19 May, Riccione, Italy.

- Calcagno A, et al. "Blood Brain Barrier Impairment is Associated with Cerebrospinal Fluid Markers of Neuronal Damage in HIV-positive Patients" 7th Italian Conference on AIDS and Retroviruses, 2015, 17-19 May, Riccione, Italy.
- Calcagno A, et al. "Concordance Among Cardiovascular Risk Scores in HIV-positive Patients: Framingham, D:A:D and Progetto Cuore". 6th Italian Conference on AIDS and Retroviruses, 2014, 25-27 May, Roma, Italy.
- Calcagno A, et al. "Level of HIV Viremia Below 50 copies/ml Predicts Virologic Rebound in HAART-treated Patients". 14th Conference of the European AIDS Clinical Society, Bruxelles, Belgium. 16-19 October, 2013.
- Calcagno A, et al. "High Incidence of Cytomegalovirus Reactivation in HIV-positive Patients Treated for Haematological Malignancies". 5th Italian Conference on AIDS and Retroviruses, 2013, 12-14 May, Torino, Italy.
- Calcagno A, et al. "Cerebrospinal Fluid Concentrations Above Drugs IC95s are Associated With CSF Viral Loads Below 50 copies/ml". 14th International Workshop on Clinical Pharmacology of HIV Treatment, Amsterdam, Netherlands, 22-24 April 2013.
- Calcagno A, et al. "Measurement of CSF tau, phosphorylated tau and β -amyloid (1-42) in HIV-positive patients at different stages of infection." 4th Italian Conference on AIDS and Retroviruses, 2012, Naples, Italy.
- Calcagno A "TB, poly-pharmacy and Drug Interactions". EACS Pre-Educational Course, 13th European AIDS Conference, October 12-15, 2011 - Belgrade, Serbia
- Calcagno A, et al. "Monitoring of Virological and Pharmacological Cerebrospinal Fluid Parameters in HAART-treated HIV-positive Patients in the Clinical Setting". ICAR 2011, Florence, Italy.
- Calcagno A, et al. "A Filter-based Cross-sectional Analysis of a HIV Positive HAART-treated Cohort in Rural Burundi: Pharmacokinetics, Pharmacogenetics and Viral Load". HIV10, 10th International Congress on Drug Therapy in HIV Infection, Glasgow, Glasgow, Regno Unito, November 2010.
- Calcagno A, et al. "Raltegravir in the CSF: is Cmax more appropriate than Ctough?". 3rd Meeting on HIV Infection and the Central Nervous System, Stresa, Italy, October 2009.
- Calcagno A, et al. "La Rinascita degli Inibitori Non Nucleosidici". Convegno Nazionale SIMIT, Società Italiana di Malattie Infettive, Modena, Italia, Novembre 2009.
- Calcagno A, et al. "Greater immunological recovery associated with additional enfuvirtide in the treatment of naïve HIV-infected patients at very advanced disease stages: results of a randomized, controlled, pilot study". 1st Italian Conference on AIDS and Retroviruses, 2009, Milano, Italy.
- Calcagno A, et al. "Effect of Darunavir (DRV) genotypic inhibitory quotient (gIQ) on the virological response to DRV-containing salvage regimens at 24 weeks". IWCPHT, 9th International Workshop on Clinical Pharmacology of HIV Treatment, New Orleans, USA, 2008.

Books

Co-Wrote the chapter "Aging with HIV and Oxidative stress", in the book "HIV/AIDS, Oxidative Stress and Dietary Antioxidants" Elsevier. Editors: Victor Preedy Ronald Watson. ISBN: 9780128098530.

Wrote the chapter “Antiretroviral Drug Penetration into the CNS Compartment” in the printed and online “Encyclopedia of AIDS” Springer. Editors: Thomas J. Hope, Mario Stevenson, Douglas Richman. ISBN: 978-1-4614-9610-6 (Online)

Partecipated in the writing of the chapter “Natural History of HIV Infection and Evoluton of Antiretroviral Therapy” in the book “Cardiovascular Disease in AIDS”, Springer-verlag Italia S.r.l., 2008, Barbaro G, Boccara F and Skolnik PR.

Partecipated in the writing of the chapter “Donovanosis” in the book “Infezioni Genitali: Aspetti patogenetici, clinici e diagnostici”, Latino MA, Magliano E, AMCLI, Milano, 2009.

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