

UNIVERSITÀ DEGLI STUDI DI MILANO

Procedura di selezione per la chiamata a professore di II fascia da ricoprire ai sensi dell'art. 18, comma 1 e 4, della Legge n. 240/2010 per il gruppo scientifico-disciplinare 06/MEDS-26 - Scienze tecniche di medicina di laboratorio, scienze delle professioni sanitarie tecniche diagnostiche, assistenziali e della prevenzione, scienze delle professioni sanitarie della riabilitazione, scienze tecniche mediche e chirurgiche avanzate, (settore scientifico-disciplinare MEDS-26/A - Scienze tecniche di medicina di laboratorio) presso il Dipartimento di SCIENZE DELLA SALUTE, (avviso bando pubblicato sulla G.U. n. 88 del 05-11-2024) - Codice concorso 5634

Pietro Antonio Presicce

CURRICULUM VITAE

(N.B. IL CURRICULUM NON DEVE ECCEDERE LE 30 PAGINE E DEVE CONTENERE GLI ELEMENTI CHE IL CANDIDATO RITIENE UTILI AI FINI DELLA VALUTAZIONE.

LE VOCI INSERITE NEL FACSIMILE SONO A TITOLO PURAMENTE ESEMPLIFICATIVO E POSSONO ESSERE INTEGRATE)

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	PRESICCE
NOME	PIETRO ANTONIO

TITOLI**TITOLO DI STUDIO**

(indicare la Laurea conseguita inserendo tipologia e relativo punteggio, Ateneo, titolo della tesi, data di conseguimento, ecc.)

Laurea quinquennale in Scienze Biologiche. Votazione 105/110. Dipartimento di Scienze Biomolecolari e Biotecnologie, Facoltà di Scienze Matematiche, Fisiche e Naturali. Università degli Studi di Milano. "Studio della mutazione puntiforme T1796A nell'esone 15 del gene B-Raf nella progressione da nevo a melanoma". Conseguita il 24/03/2004

TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO

(inserire tipologia del titolo e relativo punteggio, Ateneo, titolo della tesi, data di conseguimento, ecc.)

Dottorato di ricerca in Medicina Molecolare - Ciclo XX. Dipartimento di Scienze e Tecnologie Biomediche, Facoltà di Medicina e Chirurgia. Università degli Studi di Milano. Tesi di dottorato dal titolo "Potenziamento dell'attività immunostimolante delle cellule dendritiche umane: effetti in vitro di Keyhole Lympet Hemocyanin (KLH) e defensine". Conseguito il 14/1/2008

ALTRI TITOLI CONSEGUITI

(inserire titolo, ente, data di conseguimento, ecc.)

Esame di stato per l'abilitazione all'esercizio della professione di Biologo. Università di Pavia. Febbraio 2006

Master in Business Administration (MBA), Tiffin University, OH, USA, Gennaio 2018

Abilitazione Scientifica Nazionale alle funzioni di professore universitario di Seconda Fascia nel Settore Concorsuale 06/H1 - - GINECOLOGIA E OSTETRICIA - Dal 18/12/2020 al 18/12/2031

Abilitazione Scientifica Nazionale alle funzioni di professore universitario di Seconda Fascia nel Settore Concorsuale 06/A2 - PATOLOGIA GENERALE E PATOLOGIA CLINICA - Dal 08/02/2022 al 08/02/2033

Abilitazione Scientifica Nazionale alle funzioni di professore universitario di Seconda Fascia nel Settore Concorsuale 06/N1 - SCIENZE DELLE PROFESSIONI SANITARIE E DELLE TECNOLOGIE MEDICHE APPLICATE - Dal 31/01/2022 al 31/01/2033

ATTIVITÀ DIDATTICA

INSEGNAMENTI E MODULI

(inserire nome dell'insegnamento / modulo / corso, periodo [gg/mm/aa inizio e fine], anno accademico, corso laurea, Ateneo, numero di ore frontali, CFU)

N/A

ATTIVITÀ DI DIDATTICA INTEGRATIVA E DI SERVIZIO AGLI STUDENTI

ATTIVITÀ DI RELATORE DI ELABORATI DI LAUREA, DI TESI DI LAUREA MAGISTRALE, DI TESI DI DOTTORATO E DI TESI DI SPECIALIZZAZIONE

(inserire numero e tipologia di elaborati seguiti, suddivisi per anno accademico, ateneo, corso laurea, ecc.)

Correlatore di tesi di laurea in Biotecnologie Mediche - "Dendritic cells: immunophenotypic and functional alterations in patients affected by classical Kaposi's sarcoma" (Tesi di laurea di Maria Elena Vailati, anno accademico 2004-2005).

ATTIVITÀ DI TUTORATO DEGLI STUDENTI DI CORSI DI LAUREA E DI LAUREA MAGISTRALE E DI TUTORATO DI DOTTORANDI DI RICERCA

(inserire numero e tipologia delle attività, suddivise per anno accademico, ateneo, corso laurea, ecc.)

Mentor – 2nd year nursing students (2021-)

Division of Neonatology and Developmental Biology, Department of Pediatrics, David Geffen School of Medicine, University of California, Los Angeles, CA

Mentor – undergraduate students (2021-)

Division of Neonatology and Developmental Biology, Department of Pediatrics, David Geffen School of Medicine, University of California, Los Angeles, CA

Mentor – Summer students (2018-)

Division of Neonatology and Developmental Biology, Department of Pediatrics, David Geffen School of Medicine, University of California, Los Angeles, CA

Mentor – Summer students (2014-2016)

Division of Neonatology and Pulmonary Biology, Cincinnati Children's Hospital Research Foundation, Cincinnati, Ohio

LEZIONI

Lecturer – Liceo Scientifico De Giorgi – Lecce - Italy (2023-)

Liceo Scientifico Cosimo De Giorgi – Lecce – 4-year student

Lecturer and Mentor – Medical School Students (2023-)

Division of Neonatology and Developmental Biology, Department of Pediatrics, David Geffen School of Medicine, University of California, Los Angeles, CA

Lecturer and Mentor – resident fellows (2021-)

Division of Neonatology and Developmental Biology, Department of Pediatrics, David Geffen School of Medicine, University of California, Los Angeles, CA

Lecturer - Epidemiology (2013)

Department of Environmental Health Division of Epidemiology and Biostatistics; University of Cincinnati Medical Center

"Flow cytometry: a basic lesson"

Lecturer - Epidemiology (2012)

Department of Environmental Health Division of Epidemiology and Biostatistics; University of Cincinnati Medical Center

"Flow cytometry: principles and applications"

Lecturer - Epidemiology (2011)

Department of Environmental Health Division of Epidemiology and Biostatistics; University of Cincinnati Medical Center

"Flow cytometry: a general overview"

Lecturer - Epidemiology (2010)

Department of Environmental Health Division of Epidemiology and Biostatistics; University of Cincinnati Medical Center

"Introduction to the flow cytometry world"

Lecturer - Immunology (2007)

Environment and Workplace Prevention Techniques. School of Medicine, University of Milan, Italy

Lecturer - Immunology (2007)

School of Medicine, University of Milan, Italy

"The complement system, another weapon of the immune system"

Lecturer - Immunology (2006)

School of Medicine, University of Milan, Italy

"The immune system, a global vision"

SEMINARI

(inserire titolo del seminario, luogo, data, durata in giorni/ore, ente organizzatore, ecc.)

- 1) "Induction of Regulatory T-cells and Th17 in HIV"
November 13, 2008
University of California Davis, Davis, USA
- 2) "Induction of Regulatory T-cells in HIV and SIV infection"
May 08, 2009
Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA
- 3) "Lineage determination and tissue homeostasis in the aged hematopoietic system ("barcoding")"
February 06, 2012
Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA
- 4) "Role and origin of Regulatory T cells in HIV/SIV infection"
October 14, 2011
Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA
- 5) "Immunobiology of chorioamnionitis"
February 4, 2020
University of California Los Angeles, Los Angeles, CA, USA
- 6) "TNF-signaling modulates neutrophil-mediated immunity at the fetomaternal interface during LPS-induced intrauterine inflammation"
February 4, 2020
University of California Los Angeles, Los Angeles, CA, USA
- 7) Maternal-Fetal-Medicine (MFM) research club
"Role of the amnion during the intrauterine infection and preterm birth"
September 21, 2022
University of California Los Angeles, Los Angeles, CA, USA
- 8) Non-Human Primate (NHP) collaborative models
"Plasticity of the amnion mesenchymal cells during chorioamnionitis"
December 2, 2022
Zoom
- 9) Maternal-Fetal-Medicine (MFM) research club
"IL1 blockade decreased intrauterine inflammation induced by *E. coli* in pregnant Rhesus macaques"
January 8, 2024
University of California Los Angeles, Los Angeles, CA, USA

ATTIVITÀ DI RICERCA SCIENTIFICA

PUBBLICAZIONI SCIENTIFICHE

(per ciascuna pubblicazione indicare: nomi degli autori, titolo completo, casa editrice, data e luogo di pubblicazione, codice ISBN, ISSN, DOI o altro equivalente)

1. *"Comprehensive evaluation and practical guideline of gating methods for high-dimensional cytometry data: manual gating, unsupervised clustering, and auto-gating"*
P. Liu, Y. Fang, J. Zou, J. Toothaker, O. Olaloye, E. Santiago, B. McCourt, V. Mitsialis, **P. Presicce**, S.G. Kallapur, S. Snapper, J. Liu, GC. Tseng, L. Konnikova, S. Liu
Briefing in Bioinformatics – in press
2. *"IL-1 and TNF mediates IL-6 signaling at the maternal-fetal interface during intrauterine inflammation"*
P. Presicce, C. Roland, P. Senthamaikannan, M. Cappelletti, M. Hammons, E. De franco, L.A. Miller, A.H. Jobe, C.A. Chougnet, S.G. Kallapur
Frontiers in Immunology, 2024 Jun 4;15:1416162. doi: 10.3389/fimmu.2024.1416162
3. *"Progesterone inactivation in decidual stromal cells: a mechanism for inflammation-induced parturition"*
A. DeTomaso, D.K. Hyeyon, J. Shauh, A. Adulla, S. Zigo, **P. Presicce**, S.G. Kallapur, W. Goodman, T. Tilburgs, S.S. Way, D. Hackney, J. Moore, S. Mesiano
PNAS, 2024 Jun 18;121(25):e2400601121. doi: 10.1073/pnas.2400601121
4. *"Protocol for isolating amnion cells from human and non-human primate placenta for flow cytometry and transcriptomic"*
M. Cappelletti, D. Short, M. Morselli, M. Pellegrini, M.R. Johnson, Y. Afshar, S.G. Kallapur, **P. Presicce**
STAR Protocol, 2024 Apr 27;5(2):103044. doi: 10.1016/j.xpro.2024.103044
5. *"Chorioamnionitis accelerates granule cell and oligodendrocyte maturation in the cerebellum of preterm nonhuman primates"*
J. Newman, X. Tong, A. Tan, V. N. Paiva, **P. Presicce**, P. Senthamaikannan, K. Williams, A. Damianos, M. T. Newsam, M. Benny, S. Wu, K. C. Young, L.A. Miller, S.G. Kallapur, C. A. Chougnet, A.H. Jobe, R. Brambilla, A. F. Schimdt
Journal of Neuroinflammation, 2024 Jan 10;21(1):16. doi: 10.1186/s12974-024-03012-y
6. *"Amnion mesenchymal cells modulate acute inflammatory response at the maternal-fetal interface in a TNF-dependent fashion"*
P. Presicce, M. Cappelletti, M. Morselli, F. Ma, P. Senthamaikannan, G. Protti, B.B. Nadel, L. Aryan, M. Eghbali, L. Salwinski, N. Pithia, E. De franco, L.A. Miller, M. Pellegrini, A. H. Jobe, C. A. Chougnet, S.G. Kallapur
iScience, 2023 Oct 6;26(11):108118. doi: 10.1016/j.isci.2023.108118
7. *"BAFF and APRIL counter regulate susceptibility to inflammation-induced preterm birth"*
J.R. Roll, M.E. Moreno-Fernandez, T. E. Stankiewicz, J. Wayland, A. Wilburn, C.A. Chougnet, D. Giordano, M. Cappelletti, **P. Presicce**, S. G. Kallapur, N. Salomonis, T. Tilburgs, S. Divanovic
Cell Reports, 2023 Apr 5;42(4):112352. doi: 10.1016/j.celrep.2023.112352
8. *"Inflammatory blockade prevents injury to the developing pulmonary gas exchange surface in preterm primates"*
A. Toth, S. Steinmeyer, P. Kannan, J. Gray, C. M. Jackson, S. Mukherjee, M. Demmert, J.R. Sheak, D. Benson, J. Kitzmiller, J. A. Wayman, D. Benson, J. Kitzmiller, J. A. Wayman, **P. Presicce**, C. Cates, R. Rubin, K. Chetal, Y. Du, Y. Miao, M. Gu, M. Guo, V. V. Kalinichenko, S. G. Kallapur, E. R. Miraldi, Y. Xu, D. Swarr, I. Lewkowich, N. Salomonis, L. Miller, J. S. Sucre, J. A. Whitsett, C. A. Chougnet, A. H. Jobe, H. Deshmukh, W. J. Zacharias
Science Translational Medicine, 2022 Mar 30;14(638):eabl8574. doi: 10.1126/scitranslmed.abl8574
9. *"A potent myeloid response is rapidly activated in the lungs of premature Rhesus macaques exposed to intra-uterine inflammation"*
C. M. Jackson, M. Demmert, S. Mukherjee, T. Isaacs, J. Gray, P. S. Kannan, **P. Presicce**, K. Chetal, N. Salomonis, L. A. Miller, A. H. Jobe, S. G. Kallapur, W. J. Zacharias, I. Lewkowich, H. Deshmukh, C.A. Chougnet
Mucosal Immunology, 2022 Apr;15(4):730-744. doi: 10.1038/s41385-022-00495-x
10. *"The Induction of preterm labor in Rhesus macaque is determined by the strength of immune response to intrauterine infection"*
M. Cappelletti*, **P. Presicce***, F. Ma, P. Senthamaikannan, L.A. Miller, M. Pellegrini, A. H. Jobe, S. Divanovic, S. S. Way, C. A. Chougnet, S. G. Kallapur
PLoS Biology, 2021 Sep 8;19(9):e3001385. doi: 10.1371/journal.pbio.3001385

* These authors contributed equally to this manuscript.

11. "Studying the effects of granulocyte-macrophage colony-stimulating factor on fetal lung macrophages during the perinatal period using the mouse model"
F.C. Cheah, **P. Presicce**, T. M. Crane, T.L. Tan, B. C. Carey, S. G. Kallapur
Frontiers in Pediatrics, 2021 Mar 11;9:614209. doi: 10.3389/fped.2021.614209
12. "Prenatal inflammation enhances antenatal corticosteroid-induced fetal lung maturation"
A. Schimdt, P. Sentharamaikannan, J. Bridges, **P. Presicce**, C. Jackson, L.A. Miller, S. G. Kallapur, C. A. Chougnnet, A.H. Jobe
JCI Insight 2020 Dec 17;5(24):139452. doi: 10.1172/jci.insight.139452. doi:10.1172/jci.insight.139452
13. "Immune cells in the placental villi contribute to intra-amniotic inflammation"
J. M. Toothaker, **P. Presicce**, M. Cappelletti, S. F. Stras, C. McCourt, C. A. Chougnnet, S. G. Kallapur, L. Konnikova
Frontiers in Immunology, 2020 May 22;11:866. doi: 10.3389/fimmu.2020.00866
14. "IRAK1 is a critical mediator of inflammation-induced preterm birth"
V. G. Jain, F. Kong, S. G. K. Kallapur, **P. Presicce**, P. Sentharamaikannan, M. Cappelletti, C. A. Chougnnet, S. Bhattacharyya, C. Pasare, L. Muglia
Journal of Immunology, 2020 May 15;204(10):2651-2660. doi: 10.4049/jimmunol.1901368
15. "TNF-signaling modulates neutrophil-mediated immunity at the feto-maternal interface during LPS-induced intrauterine inflammation"
P. Presicce, M. Cappelletti, P. Sentharamaikannan, F. Ma, M. Morselli, C. Jackson, S. Mukherjee, L.A. Miller, M. Pellegrini, A.H. Jobe, C. A. Chougnnet, S. G. Kallapur.
Frontiers in Immunology, Apr 3;11:558. doi: 10.3389/fimmu.2020.00558
16. "Immunobiology of acute chorioamnionitis"
M. Cappelletti*, **P. Presicce***, S.G. Kallapur.
Frontiers in Immunology, 2020 Apr 16;11:649. doi: 10.3389/fimmu.2020.00649
* These authors contributed equally to this manuscript.
17. "Fetal and amniotic fluid iron homeostasis in healthy and complicated murine, rhesus macaque, and human pregnancy"
A. Fisher, V. Sangkhae, **P. Presicce**, S. G. Kallapur, C.A. Chougnnet, A.H. Jobe, I. A. Buhimschi, T. Ganz, E. Nemeth
JCI Insight, 2020 Feb 27;5(4):e135321. doi: 10.1172/jci.insight.135321
18. "DNA Vaccination Prior to Conception Protects Zika Virus-Exposed Pregnant Macaques Against Prolonged Viremia and Improves Fetal Outcomes"
K. A. Van Rompay, R. I. Keesler, A. Ardesir, J. Watanabe, J. Usachenko, A. Singapuri, C. Cruzen, E. Bliss-Moreau, A. M. Murphy, J. L. Yee, H. Webster, M. Dennis, T. Singh, H. Heimsath, D. Lemos, J. Stuart, K. M. Morabito, B. M. Foreman, K. E. Burgomaster, A. T. Noe, K.A. Dowd, E. Ball, K. Woolard, **P. Presicce**, S. G. Kallapur, S. Permar, K. E. Foulds, L. L. Coffey, T. C. Pierson, B.S. Graham.
Science Translational Medicine, 2019 Dec 18;11(523). doi: 10.1126/scitranslmed.aay2736
19. "Improved Multilineage Human Hematopoietic Reconstitution and Function in NSGS Mice".
M. Wunderlich, F Chou, Sexton C, **P. Presicce**, C. Chougnnet, J. Aliberti, J.C. Mulloy
PloS One, 2018; Dec 12;13(12):e0209034. doi: 10.1371/journal.pone.0209034
20. "Intra-amniotic Zika virus inoculation of pregnant Rhesus macaques produces fetal neurologic disease"
L. L. Coffey, R.I. Keesler, P. A. Pesavento, K. Woolard, A. Singapuri, J. Watanabe, C. Cruzen, K. L. Christie, J. Usachenko, J. Yee, V.A. Heng, E. Bliss-Moreau, J. R. Reader, W. von monegerland, A. M. Gibbons, K. Jackson, A. Ardesir, H. Heimsath, S. Permar, **P. Presicce**, S. G. Kallapur, P. Sentharamaikannan, J. Linnen, K. Gao, R. Orr, T. MacGill, J. Morrison, K. A. Van Rompay.
Nature Communications, 2018 Jun 20;9(1):2414. doi: 10.1038/s41467-018-04777-6
21. "IL-1 signaling mediates chorio-decidua neutrophil recruitment, activation and intrauterine inflammation"
P. Presicce, C.W. Park, P. Sentharamaikannan, S. Bhattacharyya, C. Jackson, C.M. Rueda, E. De Franco, L.A. Miller, D.A. Hildeman, N. Salomonis, C. A. Chougnnet, A.H. Jobe, S. G. Kallapur.
JCI Insight, 2018 Mar 22;3(6). pii: 98306. doi: 10.1172/jci.insight.98306
22. "Type I Interferons regulate susceptibility to inflammation-induced preterm birth"
M. Cappelletti, **P. Presicce**, S. Vanoni, V. Chaturvedi, T. E. Stankiewicz, I. T.W. Harley, J. W. McAlees, D. A. Giles, M. E. Moreno-Fernandez, C.M. Rueda, P. Sentharamaikannan, X. Sun, M. J. Lawson, R.

- Karns, K. Hoebe, E. M. Janssen, C. L. Karp, D. A. Hildeman, S.P. Hogan, S. G. Kallapur, C. A. Chougnet, S. S. Way, S. Divanovic
JCI Insight, 2017 Mar 9;2(5):e91288. doi: 10.1172/jci.insight.91288
23. *"Intra-amniotic Ureaplasma parvum induced maternal and fetal inflammation and immune responses in Rhesus macaque"*
P. Sentharamakannan, **P. Presicce**, C. Rueda, M. Gunlawadee, A. Smith, L. A. Miller, K.B. Waites, A.H. Jobe, S.G. Kallapur, C.A. Chougnet.
Journal of Infectious Diseases, 2016 Nov 15;214(10):1597-1604. doi: 10.1093/infdis/jiw408
 24. *"Lipopolysaccharide-induced chorioamnionitis promotes IL-1-dependent inflammatory FOXP3+ CD4+ T cells in the fetal Rhesus macaque"*
C. Rueda, **P. Presicce**, C. Jackson, L. A. Miller, S.G. Kallapur, A.H. Jobe, C.A. Chougnet.
Journal of Immunology, 2016 May 1;196(9):3706-15. doi: 10.4049/jimmunol.1502613
 25. *"Neutrophil recruitment and activation in decidua with intra-amniotic IL-1 β in the preterm Rhesus macaque"*
P. Presicce, P. Sentharamakannan, M. Alvarez, C. Rueda, M. Cappelletti, L. A. Miller, A.H. Jobe, C.A. Chougnet. S.G. Kallapur.
Biology of Reproduction, 2015 Feb;92(2):56. doi: 10.1095/biolreprod.114.124420
** Recommended in F1000 Prime as being of special significance in its field by F1000 Faculty Member - <https://f1000.com/prime/725291222#>
 26. *"Bright expression of CD91 identifies highly activated dendritic cells that can be expanded by defensins"*
M. Cappelletti, **P. Presicce**, F. Calcaterra, D. Mavilio, S. Della Bella,
Immunology, 2015 Apr;144(4):661-7. doi: 10.1111/imm.12418
 27. *"Fetal immune response to chorioamnionitis"*
S. Kallapur, **P. Presicce**, C. Rueda-Rios, A.H. Jobe, C.A. Chougnet.
Seminars in Reproductive Medicine, 2014 Jan;32(1):56-67. doi: 10.1055/s-0033-1361823
 28. *"Intra-amniotic IL-1 β induces fetal inflammation in rhesus monkeys and alters the regulatory T cell/IL-17 balance"*
S. Kallapur, **P. Presicce**, P. Sentharamakannan, L. Miller, A.H. Jobe, C.A. Chougnet.
Journal of Immunology, 2013 Aug 1;191(3):1102-9. doi: 10.4049/jimmunol.1300270
 29. *"Homeostasis and Function of Regulatory T cells in HIV Infection"*
M.E. Moreno-Fernandez*, **P. Presicce***, C.A. Chougnet
Journal of Virology, 2012 Oct;86(19):10262-9. doi: 10.1128/JVI.00993-12
* These authors contributed equally to this manuscript.
 30. *"In vitro HIV-infection impairs the capacity of myeloid dendritic cells to induce regulatory T cells"*
P. Presicce, M. E. Moreno-Fernandez, L. Rusie, C. Fichtenbaum, C. A. Chougnet.
PloS One, 2012;7(8):e42802. doi: 10.1371/journal.pone.0042802
 31. *"Myeloid dendritic cells isolated from tissues of SIV-infected Rhesus macaque promote the induction of regulatory T cells"****
P. Presicce, J. Shaw, C. Miller, B. Shacklett, C. A. Chougnet.
AIDS, 2012 Jan 28;26(3):263-73. doi: 10.1097/QAD.0b013e32834ed8df
** Editorial Comment in AIDS, 2012; 26 (3):395-6.
 32. *"Frequency of circulating regulatory T cells increases during chronic HIV infection and is partially controlled by High-Active Antiretroviral Therapy"*
P. Presicce, K. I. Orsborn, E. King, J. Pratt, C. J. Fichtenbaum, C.A. Chougnet.
PloS One, 2011;6(12):e28118. doi: 10.1371/journal.pone.0028118
 33. *"Association with two clones allows for optimal detection of human FOXP3"*
P. Presicce, M. E. Moreno-Fernandez, C. S. Lages, K. I. Orsborn, C.A. Chougnet
Cytometry part A, 2010 Jun;77(6):571-9. doi: 10.1002/cyto.a.20875
 34. *"Human defensins activate monocyte-derived dendritic cells, promote the production of pro-inflammatory cytokines and up-regulate the surface expression of CD91"*
P. Presicce*, S. Giannelli, A. Taddeo, M. L. Villa, S. Della Bella
Journal of Leukocyte Biology, 2009 Oct; 86: 941-8. doi: 10.1189/jlb.0708412
*Corresponding author
 35. *"Application of six-color flow cytometry for the assessment of dendritic cell responses in whole blood assays"*
S. Della Bella, S. Giannelli, A. Taddeo, **P. Presicce**, M. L. Villa
Journal of Immunological Methods, 2008 Dec 31;339(2):153-64. doi: 10.1016/j.jim.2008.09.009
 36. *"A six-color flow cytometric assay for the analysis of peripheral blood dendritic cells"*
S. Giannelli, A. Taddeo, **P. Presicce**, M. L. Villa, S. Della Bella
Cytometry B Clin Cytom, 2008 Nov; 74(6): 349-55. doi: 10.1002/cyto.b.20434

37. "Circulating Endothelial Progenitor Cells Are Increased in Patients with Classic Kaposi's Sarcoma"
A. Taddeo, **P. Presicce**, L. Brambilla, M. Bellinvia, M. L. Villa, S. Della Bella
Journal of Investigative Dermatology, 2008 Aug 28; 128 (8) 2125-2128. doi: 10.1038/jid.2008.23
38. "Keyhole limpet hemocyanin induces the activation and maturation of human dendritic cells through the involvement of mannose receptor"
P. Presicce*, A. Taddeo, A. Conti, M. L. Villa, S. Della Bella
Molecular Immunology, 2008 Feb;45(4):1136-45. doi: 10.1016/j.molimm.2007.07.020
*Corresponding author
39. "Decrease and dysfunction of dendritic cells correlate with impaired HCV-specific CD4⁺ T-cell proliferation in patients with HIV-infection"
S. Della Bella, A. Crosignani, A. Riva, **P. Presicce**, A. Benetti, R. Longhi, M. Podda, M. L. Villa
Immunology 2007 Jun;121(2):283-92. doi: 10.1111/j.1365-2567.2007.02577.x
40. "Quantitative and functional defects of dendritic cells in classical Kaposi's sarcoma"
S. Della Bella, S. Nicola, L. Brambilla, A. Riva, S. Ferrucci, **P. Presicce**, V. Boneschi, E. Berti, M. L. Villa
Clinical Immunology, 2007 Feb;122(2):220-8. doi: 10.1016/j.clim.2006.01.011
41. "BRAF V599E mutation occurs in Spitz and Reed naevi"
C. La Porta, R. Cardano, F. Facchetti, **P. Presicce**, S. Rao, E. Privitera, C. Clemente, M. Jr. Mihm
Journal of the European Academy of Dermatology and Venereology, 2006 Oct;20(9):1164-5. doi: 10.1111/j.1468-3083.2006.01665.x
42. "Peripheral blood dendritic cells and monocytes are differently regulated in the elderly"
S. Della Bella, L. Berti, **P. Presicce**, R. Arienti, M. Valenti, M. Saresella, C. Vergani, M. L. Villa
Clinical Immunology, 2006 Jun;119(3):317-29. doi: 10.1016/j.clim.2006.09.012

ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI CENTRI O GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI O PARTECIPAZIONE AGLI STESSI

(per ciascuna voce inserire tipologia di progetto, titolo del progetto, anno, durata, eventuale ente finanziatore e importo del finanziamento, ruolo, gruppo di ricerca, ecc.)

Partecipazione alle attività di un gruppo di ricerca al Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA - R01 HD57869 NIH grant "Mechanisms of fetal inflammatory Response Syndrome induced by chorioamnionitis". Collaborazione con California National Primate Center, University of California Davis, Davis, CA, USA. Il lavoro svolto è stato pubblicato su Biology of Reproduction (Presicce et al, 2015) ed è stato raccomandato da F1000Prime as being of special significance in its field (<https://facultyopinions.com/prime/725291222>).
dal 03-02-2009 al 31-01-2015

Research leader at Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA. March of Dimes grant ("Neutrophils and mechanisms of preterm labor").
dal 01-01-2015 al 31-12-2016

Project leader - Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA.
Cincinnati Children's Hospital's Academic Research Council Grant (\$1,000,000)
"Perinatal Infection and Inflammation"
dal 01-06-2016 al 10-07-2017

Project leader - University of California Los Angeles, Los Angeles, CA, USA. NIH R21HD900856 grant - "New therapeutic targets for intrauterine inflammation".
dal 10-12-2016 al 30-11-2018

Project leader - University of California Los Angeles, Los Angeles, CA, USA. NIH R01 HD98389 grant - "Anti-inflammatory drug target to reduce adverse pregnancy outcomes". Il lavoro svolto è stato pubblicato su Frontiers in Immunology (Presicce, 2020), Plos Biology (Cappelletti and Presicce, 2021), iScience (2023).
dal 01-06-2019 al 31-03-2024

Project leader and research coordinator - University of California Los Angeles, Los Angeles, CA, USA and Università di Parma, Italy: project focusing on clarifying the immunobiology of placentas infected by SARS-CoV-2. Il lavoro svolto è stato sottomesso a Journal of Translational Medicine (Presicce et al).
Dal 01-03-2021 a oggi

Partecipazione alle attività di un gruppo di ricerca finanziato da Bill and Melinda Gates Foundation (<https://www.gatesfoundation.org/about/committed-grants/2015/10/opp1132910>) con collaborazioni tra 4 centri di ricerca/università in USA: Cincinnati Children's Hospital Medical Center, Cincinnati, OH; University of California Davis; University of Miami; University of California Los Angeles. L'obiettivo è stato quello di studiare l'utilizzo di steroidi nella maturazione polmonare del feto. Il lavoro svolto è stato pubblicato su JCI Insight (Schmidt, 2020).

Dal 01/10/2015 al 01/31/2019

Research leader - The University of Western Australia - 35 Stirling Highway Crawley WA 6009 - Perth, Australia. NIH R01-HD072842 grant - "Initiation and Progression of Preterm Lung Injury with Ventilation using preterm sheep models"

Dal 10/07/2021 al 08/09/2012

Partecipazione alle attività di un gruppo di ricerca - Burroughs-Wellcome Fund grant "Host-microbe and pregnancy outcomes". Collaborazione con California National Primate Center, University of California Davis, Davis, CA, USA. Il lavoro è stato pubblicato su JCI Insight (Presicce, 2018).

dal 01-06-2013 al 31-05-2017

ATTIVITÀ QUALI LA DIREZIONE O LA PARTECIPAZIONE A COMITATI EDITORIALI DI RIVISTE SCIENTIFICHE

(per ciascuna voce inserire anno, durata, ruolo, rivista scientifica, ecc.)

N/A

TITOLARITÀ DI BREVETTI

(per ciascun brevetto, inserire autori, titolo, tipologia [nazionale o internazionale], anno, numero brevetto, ecc.)

N/A

PREMI E RICONOSCIMENTI NAZIONALI E INTERNAZIONALI PER ATTIVITÀ DI RICERCA

(inserire nome e motivazione del premio, data, ente erogatore, ecc.)

- 3rd Conference on translational medicine on pathogenesis and therapy of immune-mediated diseases
Milan, Italy, September 29th – October 1st, 2014
Best poster presentation – travel award
"Neutrophil recruitment and activation in decidua with intra-amniotic IL-1 β in the preterm Rhesus macaque"
- 4th Conference on translational medicine on pathogenesis and therapy of immune-mediated diseases
Palermo, Italy, March 27th-29th, 2017
Best poster presentation – travel award
"IL-1 signaling is critical for neutrophil recruitment and activation in a Rhesus macaque model of intrauterine inflammation"
- University of California Los Angeles (UCLA) – 2022 I3T Core Technology Award – PI
"Cervico-vaginal lavage immune-profiling as a biomarker of intrauterine infection causing preterm birth" (2022-2023).
- American Academy of Pediatrics Marshall Klaus Neonatal-Perinatal Research Award - Co-PI (PI: Neema Pithia*)
"Unraveling the Role of IL-1 and TNF signaling in Macrophage-Mediated Immunity during IUI" (2022-2023). * My trainee.
- CDI Fellows Research Support Award - Co-PI (PI: Neema Pithia*)
"Unraveling the Role of IL-1 and TNF signaling in Macrophage-Mediated Immunity during Intrauterine Infection" (2023). * My trainee
- Reproductive Health and Science Award - Co-PI (PI: Neema Pithia*)
"Unraveling the Role of IL-1 and TNF signaling in Macrophage-Mediated Immunity during Intrauterine Infection" (2023). * My trainee

PARTECIPAZIONE IN QUALITÀ DI RELATORE A CONGRESSI E CONVEGNI DI INTERESSE INTERNAZIONALE

(inserire titolo congresso/convegno, data, durata in giorni/ore, ente organizzatore, ecc.)

Invited speaker - "Characterization of circulating endothelial cells in classic Kaposi's sarcoma"
IV National Conference Italian Society of Clinical and Experimental Flow Cytometry (SICiCS)
Roma, Italy; 14-17 March 2006

Invited speaker - “Mode of action of KLH in dendritic cell activation”

XXII National Conference of Cytometry,
S. Benedetto del Tronto, Italy; 4-8 October 2005

Invited speaker “Activation of amnion signaling during intrauterine inflammation is TNF-dependent”

Society for Reproductive Investigation – 68th Annual Meeting
Boston, MA, USA; 5-9 July, 2021

RESEARCH GRANTS AND FELLOWSHIPS

- Department of Biomedical Sciences and Technologies, School of Medicine, University of Milan, Italy PhD Fellowship (2004-2007).
- University of Cincinnati Postdoctoral Fellow Research Grant – PI
“Role of dendritic cells in induction or expansion of Th17 cells in HIV-infected patients” (2010-2011).
- NIH R21HD90856 - Key Personnel (PI: Suhas Kallapur)
“Novel therapeutic target for intrauterine inflammation” (2016-2019).
- NIH R01HD98389 – Key Personnel (PI: Suhas Kallapur)
“Anti-inflammatory drug target to reduce adverse pregnancy outcomes” (2018-2023).
- NIH/National Center for Advancing Translational Science (NCATS) UCLA CTSI Grant Number UL1TR001881 - Co-PI (PI: Suhas Kallapur)
“Deciphering gene pathways regulated by IL1 signaling as a new therapeutic approach to prevent fetal brain injury during intrauterine inflammation” (2012-2022).
- Autism Research Institute Research Grant – Co-PI (PI: Suhas Kallapur)
“Discovery of ASD related pathways in a novel preterm Rhesus macaque maternal immune activation model” (2022-2023).
- 10x Genomics Single Cell Grant Program – PI
“Characterization of different mesenchymal cell populations in the amnion during intrauterine infection for their use in stem-cell therapy” (2022-2023).
- NIH T32HL086345 Developmental Hematology Training grant - Co-PI (PI: Neema Pithia*)
“Unraveling the Role of IL-1 and TNF signaling in Macrophage-Mediated Immunity during Intrauterine Infection” (2023). * My trainee
- NIH KUHART TL1-DK132768 and U2CDK129496 Kidney, Urology, and Hematology Training grant - Co-PI (PI: Neema Pithia*)
“Unraveling the Role of IL-1 and TNF signaling in Macrophage-Mediated Immunity during Intrauterine Infection” (2023). * My trainee
- NIH R01HD114495 – Co-I (PI: Suhas Kallapur)
“Drug repurposing of a novel synthetic progestin for the prevention of preterm labor and fetal inflammation” (2024-2029).

PROFESSIONAL ACTIVITIES

- Committee member of Master Degree in Biotechnology at School of Medicine, University of Milan, Milan, Italy (2005).
- *Italian Society of Flow Cytometry* – General member (2006-2007).
- *Italian Society of Clinical and Experimental Flow Cytometry* – General member (2005-2006).
- Scientific expert reviewer for proposal for applied clinical and biomedical research for Italian Scientists and Scholars of North America Foundation (ISSNAF) and Italian Ministry of Health (2011-).
- *American Association of Immunologists* – General member (2011-2012).
- Ad hoc reviewer: Recent Patents on Inflammation & Allergy Drug Discovery; Human Vaccines & Immunotherapeutics; The Journal of Leukocyte Biology; Frontiers in Immunology; Journal of Histochemistry & Cytochemistry; BioMed Research International; Mucosal Immunology; iScience; The Journal of Maternal-Fetal & Neonatal Medicine; Scientific Reports (2008-).
- Judge for the Capstone Poster Session for undergraduates – University of Cincinnati, Cincinnati, OH (2013).
- Scientific expert reviewer for proposal for clinical research – Italian Medicines Agency Call (AIFA) (2017-).
- Society for Reproductive Investigation – General member (2023-)

ATTIVITÀ GESTIONALI, ORGANIZZATIVE, DI SERVIZIO E DI TERZA MISSIONE

INCARICHI DI GESTIONE ED IMPEGNI ASSUNTI IN ORGANI COLLEGIALI E COMMISSIONI, PRESSO RILEVANTI ENTI PUBBLICI E PRIVATI E ORGANIZZAZIONI SCIENTIFICHE E CULTURALI, OVVERO PRESSO L'ATENEO O ALTRI ATENEI

(inserire tipologia di incarico/impegno, ente, data, durata, ecc.)

N/A

ATTIVITÀ DI TERZA MISSIONE

(inserire tipologia di incarico/impegno, ente, data, durata, ecc.)

N/A

ATTIVITÀ CLINICO ASSISTENZIALI

(indicare, data, durata, ruolo, ente presso il quale si è prestata attività assistenziale, ecc.)

N/A

Data

17/11/2024

Luogo

Los Angeles, CA, USA