

Mirko Scordio

Date of birth: 06/06/1989

E-mail: mirko.scordio@uniroma1.it

Laboratory of Virology affiliated to Pasteur Institute - Cenci Bolognetti Foundation, Viale di Porta Tiburtina 28, 000185 Rome (IT)

## **WORK EXPERIENCE**

2019 - present: PhD in “Experimental Medicine”, Department of Molecular Medicine, Sapienza University of Rome (Rome), Italy.

2020 – present: Review Editor on Official Journal of the Virology Division of the International Union of Microbiological Societies “Archives of Virology”

2020 - 2021: Teaching assignment – Second level Master in Molecular Virology. Department of Molecular Medicine, Sapienza University of Rome, Italy.

2017 - 2019: Trainee student - Department of Molecular Medicine, Laboratory of Virology, Sapienza University of Rome, Italy.

2014 - 2015: Trainee student - Hospital of Gela "Vittorio Emanuele", Clinical Pathology section

## **EDUCATION AND TRAINING**

2019 – Master’s Degree in “Genetica e Biologia Molecolare”, Sapienza University of Rome, Italy (110/110 cum laude).

2016 – Bachelor Degree in “Scienze Biologiche”, Unipa University of Palermo, Italy (108/110).

2008 – High School Diploma – Liceo Scientifico.

## **GRANTS COMPONENT/ SCIENTIFIC RESEARCH:**

2020 Scientific Research - Research Projects Financing, Sapienza University of Rome, Italy. *Analysis of type I-III IFN signature and in vitro responsiveness to IFN-I stimulation in transplant recipients: development of new model to identify patients with the highest risk of CMV infections and rejections.* Role: component.

## **Publications:**

1. Santinelli L, De Girolamo G, Borrazzo C, Vassalini P, Pinacchio C, Cavallari EN, Statzu M, Frasca F, **Scordio M**, Bitossi C, Viscido A, Ceccarelli G, Mancone M, Mastroianni CM, Antonelli G, d'Ettore G, Scagnolari C. Alteration of type I interferon response is associated with subclinical atherosclerosis in virologically suppressed HIV-1-infected male patients. *J Med Virol.* 2021 Apr 29. doi: 10.1002/jmv.27028. Epub ahead of print. PMID: 33913525
2. Scagnolari C, Bitossi C, Viscido A, Frasca F, Oliveto G, **Scordio M**, Petrarca L, Mancino E, Nenna R, Riva E, De Vito C, Midulla F, Antonelli G, Pierangeli A. ACE2 expression is related to the interferon response in airway epithelial cells but is that functional for SARS-CoV-2 entry? *Cytokine.* 2021 Apr. 140:155430. <https://doi.org/10.1016/j.cyto.2021.155430>

3. Bitossi C, Frasca F, Viscido A, Oliveto G, **Scordio M**, Belloni L, Cimino G, Pietropaolo V, Gentile M, d'Ettorre G, Midulla F, Trancassini M, Antonelli G, Pierangeli A, Scagnolari C. SARS-CoV-2 Entry Genes Expression in Relation with Interferon Response in Cystic Fibrosis Patients. *Microorganisms*. 2021 Jan 3;9(1):E93. doi: 10.3390/microorganisms9010093.
4. Scagnolari C, Pierangeli A, Frasca F, Bitossi C, Viscido A, Oliveto G, **Scordio M**, Mazzuti L, Di Carlo D, Gentile M, Solimini A, Ceccarelli G, Pugliese F, Mastroianni CM, d'Ettorre G, Turriziani O, Antonelli G; Virology and Infectious Diseases COVID-19 Study Group of Sapienza University. Differential induction of type I and III interferon genes in the upper respiratory tract of patients with coronavirus disease 2019 (COVID-19). *Virus Res*. 2021 Jan 5:198283. doi: 10.1016/j.virusres.2020.198283.
5. Scagnolari C, Bitossi C, Frasca F, Viscido A, Oliveto G, **Scordio M**, De Vito C, Trancassini M, Midulla F, Cimino G, Pierangeli A, Antonelli G. No detection of SARS-CoV-2 in cystic fibrosis patients at the Regional (Lazio) Reference Center for CF in Italy. *J Cyst Fibros*. 2020 Sep;19(5):837-838. doi: 10.1016/j.jcf.2020.06.018. Epub 2020 Jun 23. PMID: 32593510; PMCID: PMC7309918.
6. Pinacchio C, Scagnolari C, Iebba V, Santinelli L, Innocenti GP, Frasca F, Bitossi C, **Scordio M**, Oliveto G, Ceccarelli G, Antonelli G, Mastroianni CM, d'Ettorre G. High abundance of genus *Prevotella* is associated with dysregulation of IFN-I and T cell response in HIV-1-infected patients. *AIDS*. 2020 Aug 1;34(10):1467-1473. doi: 10.1097/QAD.0000000000002574. PMID: 32675560.

#### Conferences AND Seminars:

- 5° Congresso Nazionale SIV-ISV, Società Italiana Virologi (2021). The expression of the truncated ACE2 isoforms only is related to the interferon response in airway epithelial cells from young adults. Giuseppe Oliveto, Agnese Viscido, Federica Frasca, **Mirko Scordio**, Leonardo Sorrentino, Anna Maria Zicari, Alessandra Salvatori, Francesca Salvatori, Luigi Matera, Alessandra Febbo, Raffaella Nenna, Fabio Midulla, Carolina Scagnolari, Guido Antonelli, Alessandra Pierangeli.
- 5° Congresso Nazionale SIV-ISV, Società Italiana Virologi (2021). Analysis of anti-spike-neutralizing antibodies titers and levels of circulating biomarkers in COVID-19 patients. Federica Frasca, **Mirko Scordio**, Giuseppe Oliveto, Agnese Viscido, Leonardo Sorrentino, Letizia Santinelli, Claudia Pinacchio, Giancarlo Ceccarelli, Elio Gentilini, Eugenio Nelson Cavallari, Aurelia Gaeta, Gabriella d'Ettorre, Alessandra Pierangeli, Guido Antonelli, Carolina Scagnolari.
- Virtual CROI 2021 – Science spotlight presentation: Impairment of type I/III IFN response in the upper airways of SARS-CoV-2 patients. Federica Frasca, **Mirko Scordio**, Agnese Viscido, Giuseppe Oliveto, Camilla Bitossi, Carolina Scagnolari
- 33rd IPVC, Barcelona, March 23-27 2020. Decreased IFN epsilon expression during HPV anal infection in HIV+ men Carolina Scagnolari, Letizia Santinelli, Fabiana Cannella, **Mirko Scordio**, Giuseppe Oliveto, Leonardo Sorrentino, Gabriella d'Ettorre, Eugenio Nelson Cavallari, Guido Antonelli, Paolo Gozzo, Raphael P. Viscidi, Alessandra Pierangeli.
- 30° European Congress of Clinical Microbiology and Infectious Diseases (2020): Toll like receptors, IFN-lambda and IFN-stimulated genes expression in cystic fibrosis patients with rhinovirus infection. Federica Frasca, Camilla Bitossi, Agnese Viscido, Giuseppe Oliveto, **Mirko Scordio**, Maria

Trancassini, Valeria Pietropaolo, Fabio Midulla, Giuseppe Cimino, Paolo Palange, Alessandra Pierangeli, Carolina Scagnolari, Guido Antonelli.

- 48° Congresso Nazionale SIM, Società Italiana di Microbiologia (VIRTUAL SIM) (2020): Dysregulation of interferon stimulated gene response in the respiratory tract of patients with coronavirus disease 2019 (COVID-19). Federica Frasca, **Mirko Scordio**, Agnese Viscido, Giuseppe Oliveto, Camilla Bitossi, Laura Mazzuti, Daniele Di Carlo, Massimo Gentile, Angelo Solimini, Giancarlo Ceccarelli, Claudio Maria Mastroianni, Gabriella D'ettore, Ombretta Turriziani, Alessandra Pierangeli, Carolina Scagnolari, Guido Antonelli.
- 47° Congresso Nazionale SIM, Società Italiana di Microbiologia (2019): The impairment of IFN response and dendritic cells maturation is similar during lineage 1 and 2 WNV infection. Federica Frasca, Maura Statzu, Alessandra Pierangeli, **Mirko Scordio**, Chiara Nonne, Agnese Sgrigna, Beniamino Caputo, Vitiello Laura, Massimo Gentile, Elisabetta Riva, Guido Antonelli, Carolina Scagnolari.
- 12° Congresso ICAR - Digital Edition: Higher frequency of CD4+PD1+ T cells and InterferonStimulate Genes are associated to a decrease in CD4+ Treg levels in HIV-1 infected patients. Federica Frasca, **Mirko Scordio**, Letizia Santinelli, Giancarlo Ceccarelli, Claudio Mastroianni, Guido Antonelli, Ivano Mezzaroma, Gabriella d'Ettore, Carolina Scagnolari.
- 3° Congresso Nazionale SIV-ISV, Società Italiana Virologi (2019): Lineage 1 and 2 West Nile Virus infection equally affect the IFN response and dendritic cells maturation. Federica Frasca, Maura Statzu, Alessandra Pierangeli, Letizia Santinelli, **Mirko Scordio**, Chiara Nonne, Agnese Sgrigna, Beniamino Caputo, Vitiello Laura, Massimo Gentile, Elisabetta Riva, Guido Antonelli, Carolina Scagnolari.
- 2nd SIV, Rome, November 28-30, 2018. The role of CCL20-CCR6 axis in the recruitment of HPV-specific adaptive immunity in cervical infected women F. Cannella, **M. Scordio**, M. Manera, C. Scagnolari, M. Gentile, R.P. Viscidi, G. Antonelli, A. Pierangeli.