

Carissime/i,
Vi segnalo:

1) Proposti da Lucia Lisi

Gao X, Li S, Ding F, Liu X, Wu Y, Li J, Feng J, Zhu X, Zhang C. A Virus-Mimicking Nucleic Acid Nanogel Reprograms Microglia and Macrophages for Glioblastoma Therapy. *Adv Mater.* 2021 Jan 27:e2006116. doi: 10.1002/adma.202006116. Epub ahead of print. PMID: 33501743.

Chiavari M, Ciotti GMP, Canonico F, Altieri F, Lacial PM, Graziani G, Navarra P, Lisi L. PDIA3 Expression in Glioblastoma Modulates Macrophage/Microglia Pro-Tumor Activation. *Int J Mol Sci.* 2020 Nov 3;21(21):8214. doi: 10.3390/ijms21218214. PMID: 33153019; PMCID: PMC7662700.

2) Proposti da Luca Antonioli

Ren Mao, Genevieve Doyon, Ilyssa O Gordon, Jiannan Li, Sinan Lin, Jie Wang, Thi Hong Nga Le, Michael Elias, Satya Kurada, Brian Southern, Mitchell Olman, Minhu Chen, Shuai Zhao, Dina Dejanovic, Jyotsna Chandra, Pranab K Mukherjee, Gail West, David R Van Wagoner, Claudio Fiocchi, Florian Rieder. Activated intestinal muscle cells promote preadipocyte migration: a novel mechanism for creeping fat formation in Crohn's disease. *Gut.* 2021 Jan 19:gutjnl-2020-323719. doi: 10.1136/gutjnl-2020-323719

Sarah P. Short, Jennifer M. Pilat, Caitlyn W. Barrett, Vishruth K. Reddy, Yael Haberman, Jared R. Hendren, Benjamin J. Marsh, Cody E. Keating, Amy K. Motley, Kristina E. Hill, Anne.E. Zemper, M. Kay Washington, Chanjuan Shi, Xi Chen, Keith T. Wilson, Jeffrey S. Hyams, Lee A. Denson, Raymond F. Burk, Michael J. Rosen, Christopher S. Williams. Colonic epithelial-derived Selenoprotein P is the source for antioxidant-mediated protection in colitis-associated cancer. *Gastroenterology.* 2020 Dec 31:S0016-5085(20)35623-7

3) Proposti da Francesco Maione:

Interleukin-17A (IL-17A), a key molecule of innate and adaptive immunity, and its potential involvement in COVID-19-related thrombotic and vascular mechanisms.

Raucci F, Mansour AA, Casillo GM, Saviano A, Caso F, Scarpa R, Mascolo N, Iqbal AJ, Maione F. *Autoimmun Rev.* 2020 Jul;19(7):102572. doi: 10.1016/j.autrev.2020.102572.

Could IL-17 represent a new therapeutic target for the treatment and/or management of COVID-19-related respiratory syndrome?

Casillo GM, Mansour AA, Raucci F, Saviano A, Mascolo N, Iqbal AJ, Maione F. *Pharmacol Res.* 2020 Jun;156:104791. doi: 10.1016/j.phrs.2020.104791.

4) Proposti da Andrea Ballerini

SARS-CoV-2 vaccines in development.
Florian Krammer. Nature Vol 586 22 October 2020, p 516-527.
<https://doi.org/10.1038/s41586-020-2798-3>

Novavax offers first evidence that COVID vaccines protect people against variants
Ewen Callaway & Smriti Mallapaty. Nature Briefing. Friday 29 January 2021
doi: <https://doi.org/10.1038/d41586-021-00268-9>

Lymph nodes are innervated by a unique population of sensory neurons with immunomodulatory potential.

Siyi Huang, Carly G K Ziegler, John Austin, Najat Mannoun, Marko Vukovic, Jose Ordovas-Montanes, Alex K Shalek, Ulrich H von Andrian.

Cell. 2021 Jan 21;184(2):441-459.e25. doi: 10.1016/j.cell.2020.11.028. Epub 2020 Dec 16.

Nell'occasione vi rendo noto che:

Paola De Cicco (unina Federico II) propone:
"Immunofarmacologia e Cancro"

Ciriana Orabona, Francesca Fallarino, Claudia Volpi, Maria Teresa Pallotta, Giada Mondanelli, Giorgia Manni e Marco Gargaro (unipg) propongono:

"META-Farmacologia: Metaboliti, Metagenomica, pathways Metabolici nella regolazione delle risposte immunitarie".

Oxana Bereshchenko (unipg)
"Glucocorticoidi ed Immunomodulazione"

Un caro saluto, buon lavoro
Carlo

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P.S. Qui di seguito l'aggiornamento degli argomenti specifici e dei "Volontari" che li hanno suggeriti:

1) Maione Francesco e Raucci Federica
Citochine

2) Maione Francesco e Saviano Anella
Composti naturali e nutraceutica

3) Lisi Lucia

Neuroimmunologia e neuro infiammazione

4) Antonioli Luca

Malattie Immuno-infiammatorie dell'intestino

5) Andrea Ballerini

a) Nuovi approcci terapeutici immunofarmacologici (vaccini peptidici, terapie con checkpoint, terapie a base di cellule immunologiche)

b) Ruolo del timo nella risposta immune (ricerca di base)

c) Controllo del sistema nervoso sul sistema immunitario (quali la stimolazione vagale per immunosoppressione)

d) Immunoaging

6) Domenico Delfino, Sabrina Adorisio e Isabella Muscari

Etonofarmacologia e Sistema Immunitario

7) Ciriana Orabona, Francesca Fallarino, Claudia Volpi, Maria Teresa Pallotta, Giada Mondanelli, Giorgia Manni e Marco Gargaro

META-Farmacologia: Metaboliti, Metagenomica, pathways Metabolici nella regolazione delle risposte immunitarie

8) Paola De Cicco

Immunofarmacologia e Cancro

9) Oxana Bereshchenko

Glucocorticoidi ed Immunomodulazione