

Curriculum Vitae

Personal information

CRIVIVICH GIOVANNI

Nationality: Italian

Date of birth: 17.04.1996

Work Experience

Since September 2022 – PhD student

Anna Kajaste Rudnitski laboratory of Retrovirus-Host Interactions and Innate Immunity to Gene Transfer
San Raffaele Telethon Institute for Gene Therapy (SR-Tiget), Milan, Italy

Dissecting Innate Immune Barriers to Efficient Gene Engineering

Investigating innate immune response to genotoxic stress, focusing on the role of IFITM3 in DNA damage response.

February 2021-September 2022 - Fellowship

Anna Kajaste Rudnitski laboratory of Retrovirus-Host Interactions and Innate Immunity to Gene Transfer
San Raffaele Telethon Institute for Gene Therapy (SR-Tiget), Milan, Italy

Investigating the innate immunity against viral infections, focusing on the role of IFITM proteins against several viral entry mechanism, including Sars-Cov-2 restriction.

Education and training

April 2024

Poster presentation at EMBO Workshop "Pathogen immunity and signaling" held at San Servolo Congress Center, San Servolo Island, Venice (Italy) from 8 to 12 April

October 2023

Poster presentation at "5th International Course on Genome Instability and Human Disease" held at Institut Curie, Paris (France) from 1 to 6 October 2023

April 2022

Poster presentation at EMBO Workshop "Pathogen immunity and signaling" held at "Le Grand Large - Palais des Congrès", Saint-Malo (France), from 4 to 8 April 2022

October 2019 - March 2021

Master Degree in Farmaceutical Biotechnology – Development and Production of Biotechnological drugs
(Biotechnologie del farmaco – Sviluppo e Produzione di farmaci biotecnologici)
Statal University of Milan, Milan (Italy) 110/110

October 2016 – October 2019

Degree in Biotechnology

University of Milano Bicocca, Milan (Italy) 95/110



Selected publication

Unali, G., **Crivicich, G.**, Pagani, I., Abou-Alezz, M., Folchini, F., Valeri, E., ... & Kajaste-Rudnitski, A. (2023). Interferon-inducible phospholipids govern IFITM3-dependent endosomal antiviral immunity. The EMBO Journal, e112234.

Valeri E, Breggion S, Barzaghi F, Abou Alezz M, **Crivicich G**, Pagani I, Forneris F, Sartirana C, Costantini M, Costi S, Marino A, Chiarotto E, Colavito D, Cimaz R, Merelli I, Vicenzi E, Aiuti A, Kajaste-Rudnitski A*. A novel STING variant triggers endothelial toxicity and SAVI disease. J Exp Med. 2024 Sep 2; 221(9):e20232167.

Skills and Competences

Organisational skills: Problem-solving and decision-making capability, high flexibility, motivated and organized, ability to work well independently and in team

Cell cultures: human and murine cell cultures handling (cell lines, primary cultures, from tumor tissue, human hematopoietic stem and progenitor cells), hematopoietic stem cells isolation from cord-blood, monocyte and T cells differentiation, protein overexpression and knockdown (siRNAs, shRNAs, electroporation, transient transfection and viral infection). Cell processing for molecular analysis (protein/RNA extraction, cell fixation for immunofluorescence)

Molecular biology: Electrophoresis, Western blotting, silver staining, immunofluorescence, RT-qPCR, Proximity Ligatio Assay

Confocal microscopy: proficient user of Leica TCS SP5 Laser Scanning Confocal and Olympus fluoVIEW FV3000RS Confocal

Flow cytometry: proficient user of CANTO and Cytoflex

Drug discovery screening: Dose response curves, IC50 evaluation, using Graphpad prism software. Qualification in the use of Harmony image plate reader, Thermo Scientific ArrayScan XTI High Content Platform, Roche xCELLingence System and IncuCyte System by Sartorius for live-cell imaging

Computer skills: Good knowledge in Word, Excel, Power point, Imagej, Prism, Photoshop, FCS express.

Language: English (Advanced user) Spanish and Italian

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