

PERSONAL INFORMATION *Giorgia Renga*

Sex Female | Date of birth 18/10/1986 | Nationality Italian

ORCID <https://orcid.org/0000-0002-9762-6493>**Google scholar** <https://scholar.google.com/citations?user=gPKAi9sAAAAJ&hl=it&oi=ao>**Scopus** <https://www.scopus.com/authid/detail.uri?authorId=56428966400>**WORK EXPERIENCE**

01.04.2025 – 31.03.2026

Lavoro autonomo professionale di collaborazione*University of Perugia, Perugia, Italy***Supervisor:** Prof. Domenico Delfino**Main responsibilities:** didactic support for nursing students at the Foligno campus, assistance with practical sessions in the bio-didactic laboratory and supervision of students in the development, revision, and data production for experimental theses.

01.09.2022 – 01.02.2025

Research Fellow – Assegno di ricerca*University of Perugia, Perugia, Italy***Title of project:** "Host directed medicine in invasive fungal infection H2020-SC1-2019-Two-Stage-RTD-Grant Agreement 847507"**Principal investigator:** Prof.ssa Luigina Romani**Main responsibilities:** responsible for metabolomic analysis in serum and bronchoalveolar lavage fluid of IAPA subjects and controls.**Type of activity:** Scientific research

01.10.2021 – 01.02.2025

Clinical Trial Analyst and Archivist*University of Perugia, Perugia, Italy***Title of clinical study:** "A phase II trial to assess the activity and tolerability of Thymosin alpha 1 in cystic fibrosis patients"**Principal investigator:** Prof.ssa Luigina Romani**Main responsibilities:** responsible for elastase quantification in sputa of patients with cystic fibrosis. Responsible for management of the clinical trial documents in accordance with organizational policies, standard operating procedures and GCP.**Type of activity:** Clinical research

03.06.2022 – 31.08.2022

Research Fellow – Borsa di Studio*Fondazione Fibrosi Cistica, Verona, Italy***Title of project:** "Oral and pulmonary delivery platforms for anakinra repurposing in cystic fibrosis"**Principal investigator:** Prof Stefano Giovagnoli**Main responsibilities:** responsible for inflammatory cytokines evaluation and inflammasome activation in vitro and in vivo models of cystic fibrosis**Type of activity:** Scientific research

01.03.2019 – 28.02.2022

Research Fellow – Assegno di ricerca*Fondazione Celiachia, Genova and University of Perugia, Perugia, Italy***Title of project:** "Exploiting the mast cells plasticity for predictive signatures of *Candida albicans* commensalism vs pathogenicity in celiac disease"**Principal investigator:** Dr.ssa Giorgia Renga/Prof.ssa Luigina Romani**Main responsibilities:** responsible for in vitro and in vivo experiments in celiac disease models**Type of activity:** Scientific research

01.09.2018 – 28.02.2019

Research Fellow – Borsa di Studio*Fondazione Fibrosi Cistica, Verona, Italy***Title of project:** "Pharmacology and therapeutics of inhaled indoles, as aryl hydrocarbon receptor ligands, in cystic fibrosis"**Principal investigator:** Prof.ssa Luigina Romani**Main responsibilities:** responsible for the evaluation of CFTR expression and function in mice treated with different aryl hydrocarbon receptor ligands**Type of activity:** Scientific research

- 01.11.2017 – 31.08.2018 **Research Fellow – Borsa di Studio**
Fondazione Fibrosi Cistica, Verona, Italy
Title of project: "Anakinra in cystic fibrosis: from targeting pathogenic inflammation to correcting CFTR defect"
Principal investigator: Prof.ssa Luigina Romani
Main responsibilities: responsible for the evaluation of CFTR expression and function in mice treated with Anakinra
Type of activity: Scientific research
- 01.11.2014 – 30.10.2017 **PhD in Systems Biology in Immune and Infectious Diseases (XXX Cycle) – Dottorato di Ricerca**
University of Perugia, Perugia, Italy
Title of PhD thesis: "IL-9 and mast cells as key players in fungal infections"
- 01.05.2014 – 30.10.2014 **Research Fellow – Borsa di Studio**
University of Perugia, Perugia, Italy
Title of project: "Genetic polymorphism in patients with invasive aspergillosis: a new frontier for diagnosis and therapy"
Principal investigator: Prof.ssa Luigina Romani
Main responsibilities: responsible for cytokine evaluation in vivo model of invasive aspergillosis.
Type of activity: Scientific research
- 01.10.2009 – 14.10.2010 **Traineeship**
Santa Maria della Misericordia Hospital, Microbiology Unit, Perugia, Italy

EDUCATION AND TRAINING

- 19.03.2021 – 24.09.2021 Advanced course in “Patologia molecolare diagnostica” – Corso di Perfezionamento
University of Milano Statale, Milano, Italy
- 15.09.2021 Training GCP (Good Clinical Practice) e GCLP (Good Clinical Laboratory Practice)
Sintesi Research, Milano, Italy
- 16.04.2018 PhD in Systems Biology in Immune and Infectious Diseases
University of Perugia, Perugia, Italy
Title of thesis: “IL-9 and mast cells as key players in fungal infections”
- 12.12.2016 – 14.12.2016 2nd Course on Ethical and Legal Issues of Research and Innovation
University of Perugia, Perugia, Italy
Lesson “Processing of Health Data”
- 06.06.2016 – 08.06.2016 Training course in Corretto approccio alla sperimentazione animale
University of Perugia, Perugia, Italy
- 24.02.2014 Master’s Degree in Applied Biomolecular Sciences
University of Perugia, Perugia, Italy
Title of the thesis: “Role of AIRE in murine models of candidiasis”
- 14.06.2012 Training course in Informazione-Formazione sui rischi connessi all’attività svolta
University of Perugia, Perugia, Italy
- 14.10.2010 Bachelor in Biological Sciences
University of Perugia, Perugia, Italy
Title of the thesis: “Antimicrobial activity of purified compounds extracted from *Commiphora erythraea*”

NATIONAL SCIENTIFIC HABILITATION (ASN)

- 09.06.2023-09.06.2034 Associate Professor national eligibility in “Patologia Generale e Clinica” - 06/A2
- 09.06.2023-09.06.2034 Associate Professor national eligibility in “Scienze delle professioni sanitarie e delle tecnologie mediche applicate” - 06/N1

FELLOWSHIPS AND AWARDS

- 01.03.2019 – 28.02.2022 Research grant
Fondazione Celiachia, Genova, Italy
Title project: “Exploiting the mast cells plasticity for predictive signatures of *Candida albicans* commensalism vs pathogenicity in celiac disease”

COMMISSION OF TRUST

- 29.11.2021 – 30.04.2022 Guest Editor in International Journal of Molecular Sciences (ISSN 1422-0067). Special Issue
“Host-Microbe Interactions as Key Mediators in Fungal Diseases”
- Reviewer for “International Immunopharmacology”

**LAY DISSEMINATION
ACTIVITIES**

- SHARPER NIGHT 2019 (European Researchers' Night)
- SHARPER NIGHT 2021 (European Researchers' Night)
- SHARPER NIGHT 2022 (European Researchers' Night)
- SHARPER NIGHT 2023 (European Researchers' Night)

PERSONAL SKILLS

Mother tongue Italian

Other language	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Language proficiency certification – Centro Linguistico Di Ateneo (CLA)					
French	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	B1	B1	B1	B1	B1

Technical skills

Familiar with a wide range of laboratory procedures and able to carry out experiments proficiently including independent design and competent execution of experiments. Extensive knowledge of:

- molecular, cellular and biochemical biology techniques.
- methods for processing and analyzing human samples from clinical trials.
- methods for sample preparation, data handling and analysis tools for microbial metagenomic and metabolomic, including instrument platforms.

List of the main laboratory techniques commonly performed:

- Preparation, maintenance and expansion of cell cultures of adherent and suspension cells (i.e. colon epithelial cells, monocytes, macrophages, mast cells).
- Preparation, maintenance and growth of bacterial and yeast cell cultures.
- Purification of RNA from cellular or tissue samples for gene expression by RT-PCR, qRT-PCR, QuantiGene RNA assay multiplexed quantitation, RNA-sequencing.
- Extraction of genomic from cellular or tissue samples for genotyping of mice strains.
- Extraction of bacterial and fungal DNA from cellular samples for metagenomic analysis.
- Evaluation of proteins content in cellular or tissue samples by ELISA assays or multiplex assays with MAGPIX system (Procartaplex - immunoassay protein quantity).
- Processing and analysis of histological and cytological samples. Execution of common histochemical staining techniques (H&E, PAS, Gomori, Masson's Trichrome, Gram and May-Grünwald/Giemsa staining), immunofluorescence/immunohistochemistry from cells and tissue, TUNEL assay.
- Preparation of animal and human samples and instrument operation for flow cytometry.

Very experienced in animal handling and setting of infectious/inflammatory models' diseases:

1. Invasive aspergillosis and allergic bronchopulmonary aspergillosis (*Aspergillus fumigatus*)
2. Mucosal and vaginal candidiasis (*Candida albicans*)
3. Oral bacterial infection (*Porphyromonas gingivalis*)
4. Vaccination models
5. Chemical- or immunological-induced inflammatory bowel disease
6. Metabolic syndrome
7. Celiac disease

Computer knowledge

- Office (Word, Excel, Access, Publisher, PowerPoint).
- Adobe (Acrobat, Photoshop).
- Cell ^ P, software for creating and editing images captured using an optical microscope and fluorescence OLYMPUS DP71.
- EndNote X8, software for creating online bibliographic databases and organizing bibliographies according to the standards required by the most important international journals.
- Fiji (Fiji Is Just ImageJ) software processing and analysis of digital images.
- GraphPad Prism, basic biostatistics software.
- Metaboanalyst, a web-based platform dedicated to comprehensive metabolomics data analysis, interpretation and integration with other omics data.
- LipidOne, a freely available software that processes lipidomics data.
- Metagenomic and metabolomic analysis databases such as KEGG and HMDB.
- Editorial assistance.

TEACHING ACTIVITIES

- From 2025 to present "Cultore della materia" (subject expert), BIOS-01/D – Pharmaceutical Biology, Faculty of nursing Foligno, University of Perugia
- From 2022 to 2024 "Cultore della materia" (subject expert), MEDS-02/A – General Pathology, Faculty of Medicine and Surgery, University of Perugia
- Since 2017 Co-Supervisor of graduate and PhD students:
- Dr. Andrea Federici, Master's Degree in Medical, Veterinary and Forensic Biotechnological Sciences. Thesis title: "Mast cells and IL-9 regulate intestinal permeability in *Candida albicans* infection"
 - Dr. Valentina Solito, Master's Degree in Biomolecular and Environmental Sciences. Thesis title: "Il ruolo dell'IL-9 nella vulvovaginite da *Candida*"
 - Dr. Maria Rosaria Maio, Degree in Biotechnology. Thesis title "Thymosin β 4 ameliorates lung pathology by restoring defective autophagy in CGD mice"
 - Dr. Camilla Bracalente, Master's Degree in Veterinary Medicine. Thesis title "Animal models of autoimmune hepatopathies and possible innovative treatments"
 - Dr. Fiorella D'Onofrio, PhD in Systems Biology in Immune and Infectious Diseases. Thesis title "Host and microbial regulation of tryptophan metabolism: from preclinical models to human diseases"

- Dr. Valentina Puglisi, Master's Degree in Biology. Thesis title "Tryptophan metabolites effect on LC3-associated phagocytosis against *Aspergillus fumigatus*"
- Dr. Laura Mariano, Master's Degree in Biology. Thesis title "CXCR3 promotes recruitment of T cells to mediate immunopathology in Autoimmune Polyendocrine Syndrome Type 1"
- Dr. Ilaria Chidicimo, Master's Degree in Biomedical Laboratory Techniques. Thesis title "Evaluation of the antifungal activity of *Artocarpus tonkinensis* on *Aspergillus fumigatus* and its effects on host immune response"

**MEMBERSHIPS OF
SCIENTIFIC SOCIETIES**

- Since 2021 Italian Society of Pathology and Translational Medicine (SIPMeT), Italy
- Since 2026 International Society for Ethnopharmacology

**ADDITIONAL
INFORMATION**

- Patents Patent application on "Method of treatment of immune checkpoint inhibitor-related immune adverse effects" by G. Renga, M.M. Bellet, M. Pariano, C. Costantini, L. Romani, and E. Garaci is pending (US20210077585A1).

**POSTER AT NATIONAL
AND INTERNATIONAL
MEETINGS**

VIII Italian Convention of Researchers in Cystic Fibrosis. Verona, Italy. 2-4 December 2010. Iannitti G. R, De Luca A, Giovannini G, Casagrande A, Cunha C, Carvalho A, Puccetti M, Borghi M, **Renga G**, De Benedictis F.M, Romani L. Cystic fibrosis Th17/Treg imbalance to *Aspergillus fumigatus*: insights for novel anti-inflammatory strategies and immunogenetic screening.

15th International Congress of Immunology (ICI) SM5 Satellite Meeting. Perugia, Italy. 29-30 August 2013. Borghi M, Iannitti G. R, De Luca A, Puccetti M, Galosi C, Oikonomou V, **Renga G**, Casagrande A, Romani L. IL-1 blockade as a potential therapeutic target in aspergillosis.

ALLFUN FINAL MEETING. Borgo Riccio, Torchiara, Salerno, Italy. 13-15 April 2014.

- Oikonomou V, Moretti S, **Renga G**, De Luca A, Iannitti G. R, Borghi M, Palmerini C.A, Romani L. *Aspergillus fumigatus* induces an IFN- γ /Death Associated Protein Kinase 1-dependent autophagy.
- Puccetti M, Borghi M, De Luca A, Renga G, Oikonomou V, Cunha C, Carvalho A, Romani L. Inflammasome activation in murine and human vaginal candidiasis.

7th Advances against Aspergillosis. Manchester, UK. 3-5 March 2016. Oikonomou V, Moretti S, **Renga G**, Galosi C, Iannitti G. R, Borghi M, Palmerini C.A, Carotti A, D'Amico L, Velardi A, Aversa F, Napolioni V and Romani L. Autophagy in *Aspergillus fumigatus* infection and immunity.

XIV Italian Convention of Researchers in Cystic Fibrosis. Verona, Italy. 24-26 November 2016. Pariano M, Puccetti M, Oikonomou V, Borghi M, **Renga G**, Moretti S, Romani L. Anakinra in Cystic fibrosis: from targeting pathogenic inflammation to correcting CFTR defects.

Gordon Research Conferences. Galveston, Texas. 15-20 January 2017.

- **Renga G**, Oikonomou V, Borghi M, Puccetti M, Pariano M, Romani L, Moretti S. IL-9's function in mucosal candidiasis: from allergic cytokine to key regulator.
- Oikonomou V, Moretti S, **Renga G**, Galosi C, Borghi M, Pariano M, Puccetti M, Palmerini C.A, Napolioni V, Romani L. Noncanonical fungal autophagy inhibits inflammation in response to IFN- γ via DAPK1.
- Moretti S, **Renga G**, Oikonomou V, Galosi C, Pariano M, Iannitti RG, Borghi M, Puccetti M, Paolicelli G, Zelante T, Napolioni V, Romani L. A Mast Cell-ILC2-Th9 pathway promotes lung inflammation in Cystic fibrosis.

XV Italian Convention of Researchers in Cystic Fibrosis. Verona, Italy. 26-28 October 2017. Pariano M, Puccetti M, Oikonomou V, Borghi M, Villella VR, Stincardini C, Sforna L, **Renga G**, Romani L. Anakinra in Cystic fibrosis: from targeting pathogenic inflammation to correcting CFTR defects.

XVI Italian Convention of Researchers in Cystic Fibrosis. Verona, Italy. 22-24 November 2018.

- Pariano M, Puccetti M, Oikonomou V, Borghi M, Vilella VR, Stincardini C, Sforza L, **Renga G**, Romani L. Anakinra in Cystic Fibrosis: from targeting pathogenic inflammation to correcting CFTR defects.
- Borghi M, Pariano M, Stincardini C, Sforza L, **Renga G**, Sellitto F, Pessia M, Romani L, Bellet MM. Thymosin alpha 1 in cystic fibrosis: from the lung to the gut.
- Stincardini C, Puccetti P, Borghi M, Sforza L, **Renga G**, Costantini C, Pessia M, Ricci M, Giovagnoli S, Romani L. Pharmacology and therapeutics of inhaled indoles, as aryl hydrocarbon receptor ligands, in cystic fibrosis.

XVII Italian Convention of Researchers in Cystic Fibrosis. Verona, Italy. 14-16 November 2019.

Borghi M, Puccetti M, Pariano M, Stincardini C, Sforza L, **Renga G**, Costantini C, Ricci M, Giovagnoli S, Romani L. Pharmacology and therapeutics of inhaled indoles, as aryl hydrocarbon receptor ligands, in cystic fibrosis.

XII National Congress SIICA Goes Virtual. 26-28 May 2021.

- D'Onofrio F, **Renga G**, Bellet MM, Pariano M, Stincardini C, Santarelli I, Costantini C, Romani L. Tryptophan metabolic pathways in fungal diseases.
- Santarelli I, **Renga G**, Pariano M, D'Onofrio F, Bellet MM, Stincardini C, Costantini C, Romani L. Xenobiotic receptors cross-talk in lung infection and inflammation.

85th Symposium: Biological Time Keeping (virtual). Cold Spring Harbor, NY, US. 1-5 June 2021.

Stincardini C, Pariano M, **Renga G**, Gatticchi L, D'Onofrio F. The circadian control of tryptophan metabolism in infectious diseases.

SIPMeT Congress 2022 "Pathophysiology of disease", Ancona, Italy. September 22-24, 2022.

Renga G, Pariano M, Stincardini C, D'Onofrio F, Bellet MM, Costantini C, Goldstein AL, Garaci E and Romani L. HIF-1 α stabilization regulates inflammation and promotes repair in Chronic Granulomatous Disease.

NATIONAL AND INTERNATIONAL MEETINGS

15th International Congress of Immunology (ICI) SM5 satellite meeting: "Fungi in the setting of inflammation, allergy and autoimmune diseases: translating basic science into clinical practices" (All Fun). Perugia, Italy. August 29-30, 2013.

Gordon Research Conferences 2017: "Immunology of fungal infections - Fundamental Insights and Therapeutic Potential: Advances in Understanding the Host-Fungus Interaction", Galveston, Texas US. January 15-20, 2017.

5th International Symposium of Thymosins in health and disease, Washington DC, Maryland US. November 15-17, 2017. *Participation as invited speaker.*

8th Advances Against Aspergillosis, Lisbon, Portugal. February 1-3, 2018.

XVI Italian Convention of Researchers in Cystic Fibrosis. Verona, Italy. November 22-24, 2018.

Gordon Research Conferences 2019: "Immunology of fungal infections - Mechanisms of Fungal Immunopathology", Galveston, Texas US. January 13-18, 2019. *Participation as invited speaker.*

8th Associazione Italiana Celiachia National Congress: "The future of Celiac Disease", Milan, Italy. September 27, 2019.

SIPMeT Young Scientist Meeting 2021 "Molecular Pathology: from bench to bedside", Perugia, Italy. December 10-11, 2021. *Participation as invited speaker.*

6th International Symposium on Thymosins in Health and Disease, Roma, Italy. October 20-22, 2022. *Participation as invited speaker.*

15th SIICA "Società Italiana di Immunologia, Immunologia Clinica e Allergologia" Congress, Perugia, Italy. June 17-20, 2025.

PUBLICATIONS

1. Moretti S, Bozza S, Oikonomou V, **Renga G**, Casagrande A, Iannitti RG, Puccetti M, Garlanda C, Kim S, Li S, van de Veerdonk FL, Dinarello CA, Romani L. IL-37 inhibits inflammasomes activation and disease severity in murine aspergillosis. *PLoS Pathog*, 2014.
2. Borghi M, **Renga G**, Puccetti M, Oikonomou V, Palmieri M, Galosi C, Bartoli A, Romani L. Antifungal Th immunity: growing up in family. *Front Immunol*, 2014.
3. Moretti S, Bartolommei L, Galosi C, **Renga G**, Oikonomou V, Zamparini F, Ricci G, Borghi M, Puccetti M, Piobbico D, Eramo S, Conti C, Lomurno G, Bartoli A, Napolioni V, Romani L. Fine-tuning of Th17 cytokines in periodontal disease by IL-10. *J Dent Res*, 2015.
4. Rizzetto L, Ifrim DC, Moretti S, Tocci N, Cheng SC, Quintin J, **Renga G**, Oikonomou V, De Filippo C, Weil T, Blok BA, Lenucci MS, Santos MA, Romani L, Netea MG, Cavalieri D. Fungal chitin induces trained immunity in human monocytes during cross-talk of the host with *Saccharomyces cerevisiae*. *J Biol Chem*, 2016.
5. Oikonomou V, Moretti S, **Renga G**, Galosi C, Borghi M, Pariano M, Puccetti M, Palmerini CA, Amico L, Carotti A, Prezioso L, Spolzino A, Finocchi A, Rossi P, Velardi A, Aversa F, Napolioni V, Romani L. Noncanonical fungal autophagy inhibits inflammation in response to IFN- γ via DAPK1. *Cell Host Microbe*, 2016.
6. Moretti S, **Renga G**, Oikonomou V, Galosi C, Pariano M, Iannitti RG, Borghi M, Puccetti M, De Zuani M, Pucillo CE, Paolicelli G, Zelante T, Renauld JC, Bereshchenko O, Sportoletti P, Lucidi V, Russo MC, Colombo C, Fiscarelli E, Lass-Flörl C, Majo F, Ricciotti G, Ellemunter H, Ratclif L, Talesa VN, Napolioni V, Romani L. A mast cell-ILC2-Th9 pathway promotes lung inflammation in Cystic fibrosis. *Nat Commun*, 2017.
7. Puccetti M, Paolicelli G, Oikonomou V, De Luca A, **Renga G**, Borghi M, Pariano M, Stincardini C, Scaringi L, Giovagnoli S, Ricci M, Romani L, Zelante T. Towards targeting the Aryl hydrocarbon receptor in Cystic fibrosis. *Mediators Inflamm*, 2018.
8. Oikonomou V, **Renga G**, De Luca A, Borghi M, Pariano M, Puccetti M, Paolicelli G, Stincardini C, Costantini C, Bartoli A, Zelante T, Romani L. Autophagy and LAP in the fight against fungal infections: regulation and therapeutics. *Mediators Inflamm*, 2018.
9. **Renga G**, Moretti S, Oikonomou V, Borghi M, Zelante T, Paolicelli G, Costantini C, De Zuani M, Vilella VR, Raia V, Del Sordo R, Bartoli A, Baldoni M, Renauld J.C, Sidoni A, Garaci E, Maiuri L, Pucillo C and Romani L. IL-9 and mast cells are key players of *Candida albicans* commensalism and pathogenesis in the gut. *Cell Reports*, 2018.
10. **Renga G**, Oikonomou V, Stincardini C, Pariano M, Borghi M, Costantini C, Bartoli A, Garaci E, Goldstein AL, Romani L. Thymosin β 4 limits inflammation through autophagy. *Expert Opin Biol Ther*, 2018.
11. Stincardini C, **Renga G**, Vilella V, Pariano M, Oikonomou V, Borghi M, Bellet MM, Sforna L, Costantini C, Goldstein AL, Garaci E, Romani L. Cellular proteostasis: a new twist in the action of thymosin α 1. *Expert Opin Biol Ther*, 2018.
12. Costantini C, **Renga G**, Oikonomou V, Paolicelli G, Borghi M, Pariano M, De Luca A, Puccetti M, Stincardini C, Mosci P, Bartoli A, Zelante T, Romani L. The mast cell-aryl hydrocarbon receptor interplay at the host-microbe interface. *Mediators Inflamm*, 2018.
13. **Renga G**, Borghi M, Oikonomou V, Mosci P, Bartoli A, Renauld JC, Romani L, Costantini C. IL-9 integrates the host-*Candida* cross-talk in vulvovaginal candidiasis to balance inflammation and tolerance. *Front Immunol*, 2018.
14. Vilella VR, Venerando A, Cozza G, Esposito S, Ferrari E, Monzani R, Spinella MC, Oikonomou V, **Renga G**, Tosco A, Rossin F, Guido S, Silano M, Garaci E, Chao YK, Grimm C, Luciani A, Romani L, Piacentini M, Raia V, Kroemer G, Maiuri L. A pathogenic role for cystic fibrosis transmembrane conductance regulator in celiac disease. *EMBO Journal*, 2019.
15. De Zuani M, Paolicelli G, Zelante T, **Renga G**, Romani L, Arzese A, Pucillo C, Frossi B. Mast cells respond to *Candida albicans* infections and modulate macrophages phagocytosis of the fungus. *Front Immunol*, 2018.

16. Napolioni V, Pariano M, Borghi M, Oikonomou V, Galosi C, De Luca A, Stincardini C, Vacca C, **Renga G**, Lucidi V, Colombo C, Fiscarelli EV, Lass-Flörl C, Carotti A, D'Amico L, Majo F, Russo MC, Ellemunter H, Spolzino S, Mosci P, Brancorsini S, Aversa F, Velardi A, Romani L, Costantini C. Genetic Polymorphisms Affecting IDO1 or IDO2 Activity Differently Associate with Aspergillosis in Humans. *Front Immunol*, 2019.
17. Costantini C, Bellet MM, Pariano M, **Renga G**, Stincardini C, Goldstein AL, Garaci E, Romani L. A Reappraisal of Thymosin Alpha1 in Cancer Therapy. *Front Oncol*, 2019.
18. Borghi M, Pariano M, Solito V, Puccetti M, Bellet MM, Stincardini C, **Renga G**, Vacca C, Sellitto F, Mosci P, Brancorsini S, Romani L, Costantini C. Targeting the Aryl Hydrocarbon Receptor protects from vulvovaginal candidiasis via the IL-22-IL-18 cross-talk. *Front Immunol*, 2019.
19. **Renga G**, Oikonomou V, Moretti S, Stincardini C, Bartoli A, Brancorsini S, Mosci P, Finocchi A, Rossi P, Costantini C, Garaci E, Goldstein AL and Romani L. Thymosin β 4 promotes autophagy and repair via HIF-1 α stabilization in chronic granulomatous disease. *Life Sci Alliance*, 2019.
20. Gressler M, Heddergott C, N'Go IC, **Renga G**, Oikonomou V, Moretti S, Coddeville B, Gaifem J, Silvestre R, Romani L, Latgé JP, Fontaine T. Definition of the Anti-inflammatory Oligosaccharides Derived From the Galactosaminogalactan (GAG) From *Aspergillus fumigatus*. *Front Cell Infect Microbiol*. 2019.
21. **Renga G**, Bellet MM, Stincardini C, Pariano M, Oikonomou V, Villella VR, Brancorsini S, Clerici C, Romani L, Costantini C. To Be or Not to Be a Pathogen: *Candida albicans* and Celiac Disease. *Front Immunol*. 2019.
22. Costantini C, Bellet MM, **Renga G**, Stincardini C, Borghi M, Pariano M, Cellini B, Keller N, Romani L, Zelante T. Tryptophan Co-Metabolism at the Host-Pathogen Interface. *Front Immunol*. 2020.
23. Costantini C, **Renga G**, Sellitto F, Borghi M, Stincardini C, Pariano M, Zelante T, Chiarotti F, Bartoli A, Mosci P, Romani L, Brancorsini S, Bellet MM. Microbes in the Era of Circadian Medicine. *Front Cell Infect Microbiol*. 2020.
24. Chiappalupi S, Sorci G, Vukasinovic A, Salvadori L, Sagheddu R, Coletti D, **Renga G**, Romani L, Donato R, Riuzzi F. Targeting RAGE prevents muscle wasting and prolongs survival in cancer cachexia. *J Cachexia Sarcopenia Muscle*. 2020.
25. Borghi M, Puccetti M, Pariano M, **Renga G**, Stincardini C, Ricci M, Giovagnoli S, Costantini C, Romani L. Tryptophan as a Central Hub for Host/Microbial Symbiosis. *Int J Tryptophan Res*. 2020.
26. Castellano-González G, McGuire HM, Luciani F, Clancy LE, Li Z, Avdic S, Hughes B, Singh M, Fazekas de St Groth B, **Renga G**, Pariano M, Bellet MM, Romani L, Gottlieb DJ. Rapidly expanded partially HLA DRB1-matched fungus-specific T cells mediate in vitro and in vivo antifungal activity. *Blood Adv*. 2020.
27. **Renga G**, Bellet MM, Pariano M, Gargaro M, Stincardini C, D'Onofrio F, Mosci P, Brancorsini S, Bartoli A, Goldstein AL, Garaci E, Romani L, Costantini C. Thymosin α 1 protects from CTLA-4 intestinal immunopathology. *Life Sci Alliance*. 2020.
28. Costantini C, Puccetti M, Pariano M, **Renga G**, Stincardini C, D'Onofrio F, Bellet MM, Cellini B, Giovagnoli S, Romani L. Selectively targeting key inflammatory pathways in cystic fibrosis. *Eur J Med Chem*. 2020.
29. Cellini B, Zelante T, Dindo M, Bellet MM, **Renga G**, Romani L, Costantini C. Pyridoxal 5'-Phosphate-Dependent Enzymes at the Crossroads of Host-Microbe Tryptophan Metabolism. *Int J Mol Sci*. 2020.
30. Di Stadio A, Costantini C, Renga G, Pariano M, Ricci G, Romani L. The Microbiota/Host Immune System Interaction in the Nose to Protect from COVID-19. *Life (Basel)*. 2020.
31. Bellet MM, Borghi M, Pariano M, **Renga G**, Stincardini C, D'Onofrio F, Brancorsini S, Garaci E, Costantini C, Romani L. Thymosin alpha 1 exerts beneficial extrapulmonary effects in cystic fibrosis. *Eur J Med Chem*. 2021.

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Perugia, 17.02.2026

Signature

