

**WORK EXPERIENCE**

- 10/2021 – present **Research Fellow & Clinical Trial Analyst**  
University of Perugia, Department of Biomedical and Surgical Sciences, Italy  
Main Projects: - Preservazione e ripristino della fertilità in pazienti oncologici pre-puberi: improvement dei metodi di crioconservazione e di recupero della funzione endocrina e della spermatogenesis.  
- The circadian control of tryptophan metabolism regulates the host response to pulmonary fungal infections  
- Comparative evaluation of the liposomal daunorubicin+cytarabine combination (CPX-351) versus the “7+3” combination on mucosal barrier function and intestinal microbiota  
- A phase II trial to assess the activity and tolerability of Thymosin alpha 1 in cystic fibrosis patients”
- 10/2020 – 10/2021 **Research fellow**  
University of Perugia, Department of Pharmaceutical Sciences, Italy  
Main project: Oral and pulmonary delivery platforms for anakinra repurposing in cystic fibrosis
- 07/2017 – 10/2020 **Research fellow**  
University of Perugia, Department of Experimental Medicine, Italy  
Main projects: - Pharmacology and therapeutics of inhaled indoles, as aryl hydrocarbon receptor ligands, in Cystic fibrosis  
- Metabolomics of invasive fungal infections
- 10/2015 – 01/2017 **Research fellow**  
University of Trento, Center for Integrative Biology (CIBIO), Dulbecco Telethon Prions and Amyloids  
Main project: Identification and characterization of novel bioactive compounds against prion diseases
- 04/2014 – 09/2015 **Traineeship**  
Mario Negri Institute, Prion Neurobiology, Milan, Italy  
Research activities. Experimental design and execution, cell biology, biochemistry and electrophysiology.

**EDUCATION AND TRAINING**

- 06/2023 **Operation and handling of TissUse’s Multi-Organ-Chip system**  
University of Perugia, Italy
- 10/2021 **Advanced course in diagnostic molecular pathology**  
University of Milano Statale, Milano, Italy
- 09/2021 **Training GCP (Good Clinical Practice) e GCLP (Good Clinical Laboratory Practice)**  
Sintesi Research, Milano, Italy
- 10/2015 **Master’s degree in Pharmaceutical Biotechnology**  
University of Perugia, Italy  
Title of thesis: “Characterization of novel bioactive compounds against prion diseases”
- 07/2011 **Bachelor of Biological Sciences**  
University of Perugia, Italy  
Title of thesis: “Autophagy: mechanism and regulation”

**LAY DISSEMINATION  
ACTIVITIES**

- Sharper Night 2022 (European Research Night)
- Sharper Night 2021 (European Research Night)
- Sharper Night 2019 (European Research Night)

**PERSONAL SKILLS**

**Mother tongue** italian

**Other language**

|         | UNDERSTANDING    |                  | SPEAKING           |                   | WRITING          |
|---------|------------------|------------------|--------------------|-------------------|------------------|
|         | Listening        | Reading          | Spoken interaction | Spoken production |                  |
| English | Independent user | Independent user | Independent user   | Independent user  | Independent user |

**Technical skills**

**Biochemical and Molecular biology:**

- Multiplex assays (Procartaplex and QuantiGene);
- Extraction of DNA and RNA from any biological samples;
- PCR, RT-PCR, qPCR;
- ELISA assay);
- Immunofluorescence on tissues and cells.

**Cell Biology:**

- *In vitro* studies with adherent and suspension cell cultures of any type;
- Cell purification;
- Maintenance and growth of bacterial and yeast cell culture;
- Cell and tissue imaging.

**Electrophysiology:**

- Whole cell patch clamp technique
- TEER (TransEpithelial Electrical Resistance)

**Computer knowledge**

- Office (Word, Excel, Access, Publisher, PowerPoint);
- Adobe (Acrobat, Photoshop);
- EndNote X8, software for creating online bibliographic databases and organize bibliographies according to the standards required by the most important international journals;
- GraphPad Prism, basic biostatistics software.

**MEMBERSHIP OF  
SCIENTIFIC SOCIETIES**

since 2021 Italian Society of Pathology and Translational Medicine (SIPMeT), Italy

## PUBLICATIONS

1. **Stincardini C**, Pariano M, D'Onofrio F, Renga G, Orecchini E, Orabona C, Nunzi E, Gargaro M, Fallarino F, Chun SK, Fortin BM, Masri S, Brancorsini S, Romani L, Costantini C and Bellet MM. The circadian control of tryptophan metabolism regulates the host response to pulmonary fungal infections. *PNAS Nexus*. Under revision
2. Costantini C, Nunzi E, Spolzino A, Merli F, Facchini L, Spadea A, Melillo L, Codeluppi K, Marchesi F, Marchesini G, Valente D, Dragonetti G, Nadali G, Englmaier L, Coufalikova K, Spáčil Z, Bellet MM, Pariano M, Renga G, **Stincardini C**, D'Onofrio F, Bozza S, Pagano L, Aversa F, Romani L. A High-Risk Profile for Invasive Fungal Infections Is Associated with Altered Nasal Microbiota and Niche Determinants. *Infect Immun*. 2022 Apr 21;90(4):e0004822. doi: 10.1128/iai.00048-22. Epub 2022 Mar 21. PMID: 35311544.
3. Renga G, Nunzi E, Pariano M, Puccetti M, Bellet MM, Pieraccini G, D'Onofrio F, Santarelli I, **Stincardini C**, Aversa F, Riuuzzi F, Antognelli C, Gargaro M, Bereshchenko O, Ricci M, Giovagnoli S, Romani L, Costantini C. Optimizing therapeutic outcomes of immune checkpoint blockade by a microbial tryptophan metabolite. *J Immunother Cancer*. 2022 Mar;10(3):e003725. doi: 10.1136/jitc-2021-003725. PMID: 35236743.
4. Van de Veerdonk FL, Renga G, Pariano M, Bellet MM, Servillo G, Fallarino F, De Luca A, Iannitti RG, Piobbico D, Gargaro M, Manni G, D'Onofrio F, **Stincardini C**, Sforna L, Borghi M, Castelli M, Pieroni S, Oikonomou V, Villella VR, Puccetti M, Giovagnoli S, Galarini R, Barola C, Maiuri L, Della Fazia MA, Cellini B, Talesa VN, Dinarello CA, Costantini C, Romani L. Anakinra restores cellular proteostasis by coupling mitochondrial redox balance to autophagy. *J Clin Invest*. 2022 Jan 18;132(2):e144983. doi: 10.1172/JC1144983. PMID: 34847078
2. Nunzi E, Renga G, Palmieri M, Pieraccini G, Pariano M, **Stincardini C**, D'Onofrio F, Santarelli I, Bellet MM, Bartoli A, Costantini C, Romani L. A Shifted Composition of the Lung Microbiota Conditions the Antifungal Response of Immunodeficient Mice. *Int J Mol Sci*. 2021 Aug 6;22(16):8474. doi: 10.3390/ijms22168474. PMID: 34445184.
3. D'Onofrio F, Renga G, Puccetti M, Pariano M, Bellet MM, Santarelli I, **Stincardini C**, Mosci P, Ricci M, Giovagnoli S, Costantini C, Romani L. Indole-3-Carboxaldehyde Restores Gut Mucosal Integrity and Protects from Liver Fibrosis in Murine Sclerosing Cholangitis. *Cells*. 2021 Jun 29;10(7):1622. doi: 10.3390/cells10071622. PMID: 34207085.
4. Pariano M, Pieroni S, De Luca A, Iannitti RG, Borghi M, Puccetti M, Giovagnoli S, Renga G, D'Onofrio F, Bellet MM, **Stincardini C**, Della-Fazia MA, Servillo G, van de Veerdonk FL, Costantini C, Romani L. Anakinra Activates Superoxide Dismutase 2 to Mitigate Inflammasome Activity. *Int J Mol Sci*. 2021 Jun 18;22(12):6531. doi: 10.3390/ijms22126531. PMID: 34207085.
5. Puccetti M, Pariano M, Renga G, Santarelli I, D'Onofrio F, Bellet MM, **Stincardini C**, Bartoli A, Costantini C, Romani L, Ricci M, Giovagnoli S. Targeted Drug Delivery Technologies Potentiate the Overall Therapeutic Efficacy of an Indole Derivative in a Mouse Cystic Fibrosis Setting. *Cells*. 2021 Jun 25;10(7):1601. doi: 10.3390/cells10071601. PMID: 34202407.
6. Bellet MM, **Stincardini C**, Costantini C, Gargaro M, Pieroni S, Castelli M, Piobbico D, Sassone-Corsi P, Della-Fazia MA, Romani L, Servillo G. The Circadian Protein PER1 Modulates the Cellular Response to Anticancer Treatments. *Int J Mol Sci*. 2021 Mar 15;22(6):2974. doi: 10.3390/ijms22062974. PMID: 33804124.
7. 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 Jan 1;209:112921. doi: 10.1016/j.ejmech.2020.112921. Epub 2020 Oct 9. PMID: 33071052.
8. 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 Nov 15;206:112717. doi: 10.1016/j.ejmech.2020.112717. Epub 2020 Aug 9. PMID: 32823008.

9. 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 Aug 9;206:112717. doi: 10.1016/j.ejmech.2020.112717. Online ahead of print. PMID: 3282300.
10. Renga G, Bellet MM, Pariano M, **Stincardini C**, D'Onofrio F, Mosci P, Brancorsini S, Gargaro M, Bartoli A, Goldstein A, Garaci E, Romani L and Costantini C, Thymosin alpha 1 protects from CTLA-4 intestinal immunopathology. *Life Sci Alliance.* 2020 Aug 14;3(10):e202000662. doi: 10.26508/lsa.202000662. Print 2020 Oct. PMID: 32817121
11. 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 May 11;13:1178646920919755. doi: 10.1177/1178646920919755. eCollection 2020. PMID: 32435131..
12. 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 Feb 5;10:30. doi: 10.3389/fcimb.2020.00030. eCollection 2020. Review. PMID: 32117804.
13. 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 Jan 29;11:67. doi: 10.3389/fimmu.2020.00067. eCollection 2020. No abstract available. PMID: 32082324.
14. Renga G, Bellet MM, **Stincardini C**, Pariano M, Oikonomou V, Vilella 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 Dec 5;10:2844. doi: 10.3389/fimmu.2019.02844. eCollection 2019. Review. PMID: 31867008.
15. Renga G, Oikonomou V, Moretti S, **Stincardini C**, Bellet MM, Pariano M, Bartoli A, Brancorsini S, Mosci P, Finocchi A, Rossi P, Costantini C, Garaci E, Goldstein AL, Romani L., Thymosin  $\beta$ 4 promotes autophagy and repair via HIF-1 $\alpha$  stabilization in chronic granulomatous disease. *Life Sci Alliance.* 2019 Nov 12;2(6). pii: e201900432. doi: 10.26508/lsa.201900432. Print 2019 Dec. PMID: 31719116.
16. 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 With Indole-3-Aldehyde Protects From Vulvovaginal Candidiasis via the IL-22-IL-18 Cross-Talk. *Front Immunol.* 2019 Oct 11;10:2364. doi: 10.3389/fimmu.2019.02364. eCollection 2019. PMID: 31681274.
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 Sep 6;9:873. doi: 10.3389/fonc.2019.00873. eCollection 2019. Review. PMID: 31555601.
18. Biggi S, Pancher M, **Stincardini C**, Luotti S, Massignan T, Dalle Vedove A, Astolfi A, Gatto P, Lolli G, Barreca ML, Bonetto V, Adami V, Biasini E. Identification of compounds inhibiting prion replication and toxicity by removing PrPC from the cell surface. *J Neurochem.* 2019 Jul 2. doi: 10.1111/jnc.14805. PMID: 31264722.
19. Napolioni V, Pariano M, Borghi M, Oikonomou V, Galosi C, De Luca A, **Stincardini C**, Vacca C, Renga G, Lucidi V, Colombo C, Fiscarelli E, Lass-Flörl C, Carotti A, D'Amico L, Majo F, Russo MC, Ellemunter H, Spolzino A, 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 May 7;10:890. doi: 10.3389/fimmu.2019.00890. eCollection 2019. PMID: 31134053.
20. 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 Oct 28;2018:7396136. doi: 10.1155/2018/7396136. eCollection 2018. Review. PMID: 30510489.

21. **Stincardini C**, Renga G, Vilella V, Pariano M, Oikonomou V, Borghi M, Bellet MM, Sfoma L, Costantini C, Goldstein AL, Garaci E, Romani L. Cellular proteostasis: a new twist in the action of thymosin  $\alpha$ 1. *Expert Opin Biol Ther.* 2018 Jul;18(sup1):43-48. doi: 10.1080/14712598.2018.1484103. Review. PMID: 30063867.
22. Renga G, Oikonomou V, **Stincardini C**, Pariano M, Borghi M, Costantini C, Bartoli A, Garaci E, Goldstein AL, Romani L. Thymosin  $\beta$ 4 limits inflammation through autophagy. *Expert Opin Biol Ther.* 2018 Jul;18(sup1):171-175. doi: 10.1080/14712598.2018.1473854. Review. PMID: 30063848.
23. Romani L, **Stincardini C**, Giovagnoli S, Paci M, Vilella VR, Sfoma L, Renga G, Bellet MM, Costantini C, Puccetti P, Kroemer G, Maiuri L, Pessia M, Goldstein A, Garaci E. Reply to 'F508del-CFTR is not corrected by thymosin  $\alpha$ 1'. *Nat Med.* 2018 Jul;24(7):891-893. doi: 10.1038/s41591-018-0080-0. PMID: 29942090.
24. 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 Mar 6;2018:6195958. doi: 10.1155/2018/6195958. eCollection 2018. Review. PMID: 29692681.
25. 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 Feb 18;2018:1601486. doi: 10.1155/2018/1601486. eCollection 2018. Review. PMID: 29670460.
26. **Stincardini C**,\* Massignan T,\* Biggi S, Elezgarai SR, Sangiovanni V, Vanni I, Pancher M, Adami V, Moreno J, Stravalaci M, Maietta G, Gobbi M, Negro A, Requena JR, Castilla J, Nonno R & Biasini E. An antipsychotic drug exerts anti-prion effects by altering the localization of the cellular prion protein. *PLoS One.* 2017 Aug 7;12(8):e0182589. doi: 10.1371/journal.pone.0182589. eCollection 2017. PMID:28787011
27. Nyeste A\*, **Stincardini C\***, Bencsura P, Cerovic M, Biasini E, Welker E. The prion protein family member Shadoo induces spontaneous ionic currents in cultured cells. *Sci Rep.* 2016 Nov 7;6:36441. doi: 10.1038/srep36441. PubMed PMID: 27819308; PubMed Central PMCID: PMC5098206.
28. Massignan T, Cimini S, **Stincardini C**, Cerovic M, Vanni I, Elezgarai SR, Moreno J, Stravalaci M, Negro A, Sangiovanni V, Restelli E, Riccardi G, Gobbi M, Castilla J, Borsello T, Nonno R, Biasini E. A cationic tetrapyrrole inhibits toxic activities of the cellular prion protein. *Sci Rep.* 2016 Mar 15;6:23180. doi: 10.1038/srep23180. PubMed PMID: 26976106; PubMed Central PMCID: PMC4791597.
29. Massignan T, Sangiovanni V, Biggi S, **Stincardini C**, Elezgarai SR, Maietta G, Andreev IA, Ratmanova NK, Belov DS, Lukyanenko ER, Belov GM, Barreca ML, Altieri A, Kurkin AV, Biasini E. A Small-Molecule Inhibitor of Prion Replication and Mutant Prion Protein Toxicity. *ChemMedChem.* 2017 Aug 22;12(16):1286-1292. doi: 10.1002/cmdc.201700302. Epub 2017 Aug 1. PMID:28722340.
30. Iraci N, **Stincardini C**, Barreca ML, Biasini E. Decoding the function of the N-terminal tail of the cellular prion protein to inspire novel therapeutic avenues for neurodegenerative diseases. *Virus Res.* 2015 Sep 2;207:62-8. doi: 10.1016/j.virusres.2014.10.015. Review. PubMed PMID: 25456402.

### Poster at national and international meetings

*SIPMeT Pathophysiology of disease*. September, 22<sup>th</sup>-24<sup>th</sup>, 2022, Ancona. Reducing collateral toxicity of standard therapy in acute myeloid leukemias by preserving epithelial barrier function. **Stincardini C**, Pariano M, D'Onofrio F, Fianchi L, Giordano A, Bellet MM, Costantini C, Pagano L, Romani L. and Renga G.

*SIPMeT Young Scientist Meeting - molecular pathology: from bench to bedside*. December, 10<sup>th</sup>-11<sup>th</sup>, 2021, Perugia. Circadian regulation of the host response to pulmonary infections in cystic fibrosis. **Stincardini C**, Renga G, D'Onofrio F, Pariano M, Santarelli I, Costantini C, Bellet MM and Romani L.

*85th Symposium: Biological Time Keeping*. June, 1<sup>st</sup>-5<sup>th</sup>, 2021, Cold Spring Harbor, NY (virtual). The circadian control of tryptophan metabolism in infectious diseases. **Stincardini C**, Pariano M, Renga G, Gatticchi L, D'Onofrio F, Santarelli I, Costantini C, Romani L and Bellet MM.

*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.

*XII National Congress SIICA Goes Virtual. 26-28 May 2021*. Xenobiotic receptors cross-talk in lung infection and inflammation. Santarelli I, Renga G, Pariano M, D'Onofrio F, Bellet MM, **Stincardini C**, Costantini C and Romani L.

*13th Cystic Fibrosis European Young Investigators' meeting (EYIM)*. Paris, Institut Pasteur. Anakinra in cystic fibrosis: from targeting pathogenic inflammation to correcting CFTR defects. **Stincardini C**, De Luca A, Pariano M, Iannitti RG, Sforna L, Borghi M, Oikonomou V, Renga G, Puccetti M, Bellet MM, Costantini C and Romani L.

*17th Convention of Investigators in Cystic fibrosis*, Thymosin alpha 1 in cystic fibrosis: from the lung to the gut & Pharmacology and therapeutics of inhaled indoles, as aryl hydrocarbon receptor ligands, in cystic fibrosis. Verona.

*16th Convention of Investigators in Cystic fibrosis*, Thymosin alpha 1 in cystic fibrosis: from the lung to the gut. Verona.

*Telethon Tri-Retreat*. Poster presentation: Chlorpromazine exerts anti-prion effects by altering the localization of the cellular prion protein. Roma.

### National and international meetings

*SIPMeT Pathophysiology of disease*. September, 22<sup>th</sup>-24<sup>th</sup>, 2022, Ancona.

*SIPMeT Young Scientist Meeting - molecular pathology: from bench to bedside*. December, 10<sup>th</sup>-11<sup>th</sup>, 2021, Perugia. Poster.

*17th Convention of Investigators in Cystic fibrosis*. Verona. Posters.

*13th Cystic Fibrosis European Young Investigators' meeting (EYIM)*. Paris, Institut Pasteur. Oral presentation and poster.

*16th Convention of Investigators in Cystic fibrosis*. Verona. Poster.

Telethon Tri-Retreat. Roma. Poster.

*Medicinal Chemistry: supporto nell'identificazione di nuovi target molecolari rilevanti per SLA. Disegno razionale e sintesi di nuovi principi attivi* – organized by AriSLA – at Fondazione Filarete

*Microbial Pathogenesis and Immunity* – organized by Società italiana di Microbiologia, Società Italiana di Microbiologia e Biotecnologie Microbiche, Società Italiana di Virologia – at University of Perugia – Perugia

*Fungi in the setting of inflammation, allergy and autoimmune diseases: translating basic science into clinical practices* – organized by All Fun and University of Perugia – al Palazzo Murena - Perugia

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali

Perugia, 01/07/2023