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| PERSONAL INFORMATION | Silvia Bencivenni |
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|  | +39 3317597141 |
| silvia.bencivenni2@unibo.it |
| Sex F | Date of birth 22/06/1996 | Nationality Italian |

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| EDUCATION AND TRAINING |  |

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| 1 November 2021 - ongoing | PhD candidate in Biotechnological, Biocomputational, Pharmaceutical and Pharmacological Science | EQF8 |
| University of Bologna, Department of Veterinary Medical Science (Via Tolara di Sopra, 50, 40064 Ozzano dell'Emilia BO, Italy), supervisor Professor Monica Forni, co-supervisor Professor Patrizia Brigidi.  **Projects ongoing**: | |
| * Study on the gut microbiota modification upon high-salt diet in Spontaneously Hypertensive Stroke Prone Rats. * Gut microbiota and milk microbiota evaluation in lactating Göttingen Minipigs sows treated with Amoxicillin and Metformin. | |
| 14 April 2023 – 22 May 2023 | Externship in the gnotobiotic mouse facility of the Leibniz – HKI Institute, Jena (Germany) |  |
| Leibniz-Institut für Naturstoff-Forschung und Infektionsbiologie e. V. - Hans-Knöll-Institut (Beutenbergstraße 11a, 07745, Jena, Germany) | |
| * **Skills acquired**: Housing and reproduction strategies in gnotobiotic mice; working processes of the gnotobiotic mouse colony; decontamination procedures and working under sterile conditions; planning of experiments with gnotobiotic mice; quality control program of germ-free mouse colony. * **Certificate**: Yes | |

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| 15 October 2018 – 19 March 2021 | Master’s degree in Pharmaceutical Biotechnologies | EQF7 |
| University of Bologna (Via Zamboni, 33, 40126 Bologna BO, Italy) | |
| * **Principal subjects covered**: Drug discovery and drug delivery, biosensors, functional genomics, immunogenetics, reproductive biotechnologies, microbiology and vaccines development. * **Skills acquired**: use of techniques such as real time PCR, DNA extraction, ChIP, cell cultures, cell vitality essay, clonogenic capacity essay, reporter genes essay. * **Thesis**: “Impact of lactoferrin on the gut microbiota composition of oncoematological pediatric patients”. FABIT, University of Bologna, Laboratory of Microbiology, supervisor Professor Patrizia Brigidi. Activities: Microbial DNA extraction from feces, library preparation for DNA sequencing. Biostatistical data analysis (with R and Rstudio). | |

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| October 2015 – October 2018 | Bachelor’s degree in Biotechnologies | EQF6 |
| University of Bologna (Via Zamboni, 33, 40126 Bologna BO, Italy) | |
| * **Principal subjects covered**: Molecular and cellular biology, microbiology, biochemistry, genetics, bioinformatics, bioanalytical chemistry, pharmaceutical biotechnologies. * **Skills acquired**: DNA and protein extraction, cell cultures, microbial cultures, production of recombinant plasmids, use of Python, PDB and RasTop. * **Thesis**: “Hive’s pathogens monitoring through analysis of environmental DNA included in honey”. DISTAL, University of Bologna, Zootechnical laboratory, supervisor Professor Luca Fontanesi. Activities: DNA extraction and purification from honey, PCR and gel electrophoresis. Analysis of gene sequences (Mega6 and BLAST). | |

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| WORK EXPERIENCE |  |

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| October 2022 – January 2023 | Tutor in Biotechnologies and Animal models |
| University of Bologna, Degree program in Biotechnologies, leading professor: Augusta Zannoni. |
| * Support during laboratory teaching activities. |
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| October 2022 – January 2023 | Tutor in Cellular Biology |
| University of Bologna, Degree program in Biotechnologies, leading professor: Monica Forni. |
| * Support during laboratory teaching activities. |

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| PERSONAL SKILLS |  |

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| Mother tongue(s)  Other languages | Italian  English – level C1 (IELTS certificate) |

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| Communication skills | Good communication skills refined with through the participation to scientific congresses. |
| Job-related skills | * Brief experience in a conventional animal facility with mice where I had the possibility to apply procedure such sexing, IP injections and ear tagging. |

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| ADDITIONAL INFORMATION |  |

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| Courses and certificates  Professional qualifications | * “National legislation and ethics on laboratory animals, units 1 and 2. DM 5 August 2021”, certificate released by IZSLER (Experimental Zooprophylactic Institute of Lombardia and Emilia-Romagna) on November 2022. * “Biology and handling of laboratory animals, units 3.1, 4, 5, 6.1, 7. DM 5 August 2021. Rodents and lagomorphs”, certificate released by IZSLER (Experimental Zooprophylactic Institute of Lombardia and Emilia-Romagna) on November 2022. * International Summer School “Chemical and genomics-based strategies in the discovery of novel drug targets”, University of Bologna, 2019. * Qualification to the profession of Biologist sez.A (Università degli studi di Bari Aldo Moro, session II, year 2021). |

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| Publications  Abstract and poster in conference proceedings | * La Mantia D., Bernardini C., Zannoni A., Salaroli R., Wang C., **Bencivenni S**., Forni M. *Efficacy of Stem Cell Therapy in Large Animal Models of Ischemic Cardiomyopathies: A Systematic Review and Meta-Analysis*. Animals (Basel). 2022 Mar 16;12(6):749. doi: 10.3390/ani12060749. * **Bencivenni S**., Brigidi P., Zannoni A., Turroni S., D’Amico F., Cotugno M., Stanzione R., Rubattu S. & Forni M. *Study on the gut microbiota modification upon a high-salt diet in Spontaneously Hypertensive Rats*. 75° Congresso SISVET, Lodi, 15-17 June 2022 [abstract-oral exposition]. * Bernardini C., Ventrella D., La Mantia D., Elmi A., Zannoni A., Salaroli R., Aniballi C., **Bencivenni S**., Bacci M.L. and Forni M. *Simultaneous establishment of endothelial, vessel wall mesenchymal and mammary epithelial cell lines from the same Gottingen minipig. Reduction & Replacement for translational purposes: a contribution from the IMI-concePTION consortium*. 75° Convegno SISVET, Lodi, 15-17 June 2022 [abstract-oral exposition]. * **Bencivenni S**., Brigidi P., Zannoni A., Turroni S., D’Amico F., Cotugno M., Stanzione R., Rubattu S. & Forni M. *Study on the gut microbiota modification upon a high-salt diet in Spontaneously Hypertensive Stroke Prone Rats*. 28° Congresso AISAL, Trieste, 29-30 September 2022 [poster]. * **Bencivenni S.**, Brigidi P., Zannoni A., Ventrella D., Elmi A., Bacci M.L., D’Amico F., Turroni S., Forni M. *Preliminary results on the characterization of the gut and milk microbiota in Göttingen Minipig sows treated with amoxicillin during lactation*. 76° Congresso SISVET, Bari, 21-23 June 2023 [abstract-oral exposition]. |

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| PUBLICATIONS |  |

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali”.

Data: 21/07/2023 Firma: