



MARCO CIRRINCIONE

CURRICULUM VITAE

Nationality **Italian**
Work address **Via Belmeloro 6**
40126 BOLOGNA (BO)



LANGUAGE SKILLS

MOTHER TONG: **Italian**



ENGLISH **B1** **B1** **B1** **B1** **B1**

Didactic Activity

Laboratory tutor – SFA-TE

ALMA MATER STUDIORUM-UNIBO

BOLOGNA and IMOLA (BO)
03/2022 - 04/2022

Course: Analisi dei Fitoderivati II

Responsible of teaching: Prof. Laura Mercolini

Time activity: 10 h

Description of activity: Support to laboratory activities for the teaching of "Analisi dei Fitoderivati II" of the second year of the study course of "Scienze Farmaceutiche Applicate" (SFA), specialization. "Tecniche Erboristiche" (TE).

Laboratory tutor – SFA-TA

ALMA MATER STUDIORUM-UNIBO

BOLOGNA and IMOLA (BO)
03/2022 - 04/2022

Course: Analisi Chimico-Tossicologica II

Modules: Analisi Chimico-Tossicologica II (Modulo 1) e Analisi di Inquinanti Ambientali (Modulo 2)

Responsible of teaching: Prof. Laura Mercolini and Dr. Michele Protti

Time activity: 10 h (Module 1), 20 h (Module 2)

Description of activity: Support to laboratory activities for the teaching of "Analisi Chimico-Tossicologica II" of the third year of the study course of "Scienze Farmaceutiche Applicate" (SFA), specialization. "Tossicologia Ambientale" (TA).

Laboratory tutor – CTF

ALMA MATER STUDIORUM-UNIBO

BOLOGNA (BO)
01/2022 - 01/2022

Course: Analisi dei Medicinali I

Responsible of teaching: Prof. Laura Mercolini

Time activity: 20 h

Description of activity: Support to laboratory activities for the teaching of "Analisi dei Medicinali I" in the first year of the course of "Chimica e Tecnologie Farmaceutiche".

Laboratory tutor – SFA-TA

ALMA MATER STUDIORUM-UNIBO

BOLOGNA and IMOLA (BO)
04/2021 - 04/2021

Course: Analisi Chimico-Tossicologica II

Modules: Analisi Chimico-Tossicologica II (Modulo 1) e Analisi di Inquinanti Ambientali (Modulo 2)

Responsible of teaching: Prof. Laura Mercolini and Dr. Michele Protti

Time activity: 10 h (Module 1), 20 h (Module 2)

Description of activity: Support to laboratory activities for the teaching of "Analisi Chimico-Tossicologica II" of the third year of the study course of "Scienze Farmaceutiche Applicate" (SFA), specialization. "Tossicologia Ambientale" (TA).

Laboratory tutor – CTF

ALMA MATER STUDIORUM-UNIBO

BOLOGNA (BO)
10/2020 - 11/2020

Course: Analisi dei Medicinali I

Responsible of teaching: Prof. Laura Mercolini

Time activity: 20 h

Description of activity: Support to laboratory activities for the teaching of "Analisi dei Medicinali I" in the first year of the course of "Chimica e Tecnologie Farmaceutiche".

Laboratory tutor – SFA-TA

ALMA MATER STUDIORUM-UNIBO

BOLOGNA and IMOLA (BO)
03/2020 - 09/2020

Course: Analisi Chimico-Tossicologica II

Modules: Analisi Chimica-Tossicologica II (Modulo 1) e Analisi Inquinanti Ambientali (Modulo 2)

Responsible of teaching: Prof. Laura Mercolini

Time activity: 10 h (Module 1), 20 h (Module 2)

Description of activity: Support to laboratory activities for the teaching of "Analisi Chimico-Tossicologica II" of the third year of the study course of "Scienze Farmaceutiche Applicate" (SFA), specialization. "Tossicologia Ambientale" (TA).

**Laboratory tutor –
Professional Master**
**ALMA MATER STUDIORUM-
UNIBO**
BOLOGNA and IMOLA (BO)
12/2019 -09/2020

Course: Analisi Ambientale a Scopo Forense
Responsible of teaching: Prof. Michele Protti
Time activity: 8 h
Description of activity: Support to laboratory activities in the context of the second level University Professional Master in "Analisi Chimiche e Chimico-Tossicologiche Forensi" of the Department of Pharmacy and Biotechnology (FaBiT).

Analytical Chemistry Tutor
UNIMORE
MODENA (MO)
03/2019 -07/2019

Course: Chimica Analitica
Responsible of teaching: Prof. Chiara Zanardi
Time activity: 25 h
Description of activity: Additional activities to the theoretical lessons of "Chimica Analitica" for university students of the first year of the course of "Chimica e Tecnologia Farmaceutiche".

Learning disability Tutor
ER. GO
MODENA (MO)
01/2016 - 11/2018

Time activity: 300 h
Description of activity: Didactic tutor activity for university students with learning difficulties.

**Curricular internship for
Master Degree-Pharmacist**
FARMACIA DEL COLLEGIO
MODENA (MO)
12/2017 - 06/2018

Description of activity: Sale of drugs, preparation of drugs and booking of medical exams.

Research Activity

Ph.D. student
2019 - NOW

**Alma Mater Studiorum – University of Bologna
Department of Pharmacy and Biotechnology (FaBiT)**
Winner of the grant of the Ph.D. course in "Health, Safety and Green System" (XXXV cycle), in which he is currently enrolled and attending the second year. He began his career as a Ph.D. student within the research group of "Pharmaco-Toxicological Analysis" (PTA Lab) under the supervision of Professor Laura Mercolini, in November 2019.

Awards and acknowledgments

- Winner of the Erasmus + for traineeship 2020/2021 call, to carry out a three-month research period abroad, at the University of Cordoba (Spain).

Research Period Abroad

- Spent 6 month at the Analytical Chemistry Department, University of Córdoba (Spain) under the supervision of Prof. Rafael Lucena.

Participation to congress:

- 2nd "European Sample Preparation e-Conference (EuSP2022)", 14-16 March 2022, online
- 19th "International Congress of Therapeutic Drug Monitoring & Clinical Toxicology (IATDMCT 2021)", 19-22 September 2021, online
- "European Forum of Medicinal Chemistry - Young-Medicinal Chemist's Symposium 2021 (EFMC-YMCS 2021)", 09-10 September 2021, online
- "Recent Development in Pharmaceutical Analysis 2021 (RDPA 2021)", 06-08 September 2021, online
- 23th "International Symposium on Advances in Extraction Technologies (ExTech 2021)", 29 June - 02 July 2021, from 9:00 to 18:00, online
- 7th international congress "European Bioanalysis Forum – Young Scientist Symposium (EBF - YSS)", 10-11 June 2021, from 9:00 to 18:00, online

- First "Anti-doping: innovazione e prospettive" congress organized by the Master in "Analisi Chimico-Chimico-Tossicologiche Forensi", 8 May 2021, from 9:00 to 18:00, online
- 13th "Young Medicinal Chemist Virtual Symposium – Nuove Prospettive in Chimica Farmaceutica (NPCF)", 26-29 April, from 14:30 to 18:00, online
- Inauguration of the second level professional Master in "Analisi Chimico-Chimico-Tossicologiche Forensi", Alma Mater Studiorum - University of Bologna, 11 December 2020, from 9:00 to 11:00, online
- 6th international congress "European Bioanalysis Forum – Young Scientist Symposium (EBF - YSS)", 24-25 September 2020, from 9:00 to 18:00, online
- 7th international congress "European Federation for Medicinal Chemistry - Young Medicinal Chemistry Symposium (EFMC-YMCS)", 10-11 September 2020, from 9:00 to 18:00, online
- Open Day of the second level professional Master in "Analisi Chimico-Chimico-Tossicologiche Forensi", Alma Mater Studiorum - University of Bologna, 24 October, 8 September and 14 July 2020, from 10:00 to 12:00 and 24 September 2020 from 18:00 to 20:00, online
- First congress I-YMCVMeet, 22-24 July 2020, from 9:00 to 18:00, online
- "International Summer School: chemical and genomics-based strategies in the discovery of novel drug targets", organised by Department of Pharmacy and Biotechnology, University of Bologna, 13-17 July 2020, from 9:00 to 18:00, online
- Scientific Meeting "Doping e Antidoping nello Sport", organised by Master in "Analisi Chimico-Chimico-Tossicologiche Forensi", 25 June 2020, from 10:00 to 13:00, online
- Webinar "Qdb Analitico" organised by Waters, 7 e 23 April e 5 May 2020, from 10:00 to 11:00, online
- Webinar "Esplorazione dei dati: introduzione alle statistiche uni- e multivariate", organised by IMaSS, 16 e 20 April 2020, from 11:00 to 13:00, online
- Webinar "Sistema Vanquish Core HPLC", organised by Thermo Scientific, 1st April 2020, from 10:00 to 11:00, online
- Webinar "Pesticidi in matrici vegetali", organised by Phenomenex, 23 March 2020, from 10:00 to 11:00, online
- Webinar "N-Dimetilnitrosoammine: Soluzioni Analitiche", organised by Phenomenex, 12 March 2020, from 10:00 to 11:00, online
- 19th SITOX national congress, 11-12 February 2020, from 9:00 to 18:00, Savoia Regency Hotel, Bologna
- Scientific Meeting "Analisi forensi e intelligence: verità e bugie?", presentation of the training course "Fondamenti di intelligenza per la ricerca e l'analisi delle informazioni", organised by Master in "Analisi forensi chimica e chimico-tossicologica", 6 February 2020, from 14:00 to 18:00, Imola
- Scientific Meeting "Doping e Anti-Doping. Azioni e Reazioni in Continua Evoluzione", organised by Master in "Analisi forensi chimica e chimico-tossicologica", 20 June 2019, from 14:30 to 18:00, Bologna

Communication to congress:

- Poster entitled "Volumetric absorptive microsampling for the analysis of CBD and its metabolites" during the 2nd "European Sample Preparation e-Conference (EuSP2022)", 14-16 March 2022, online
- Poster entitled "Analytical investigation on the in vitro metabolism of the new psychoactive substance 5F-PB 22" during the 19th "International Congress of Therapeutic Drug Monitoring & Clinical Toxicology (IATDMCT 2021)", 19-22 September 2021, online
- Poster entitled "Miniaturised sample collection for the analysis of methadone in heroin addiction therapies" during the "European Forum of Medicinal Chemistry - Young-Medicinal Chemist's Symposium 2021 (EFMC-YMCS 2021)", 09-10 September 2021, online
- Poster entitled "Microsampling and polyimide-based extraction for the analysis of methadone" during the "Recent Development in Pharmaceutical Analysis 2021 (RDPA 2021)", 06-08 September 2021, online
- Poster entitled "A capillary volumetric blood microsampling for the monitoring of methadone maintenance treatment" during the 23th "International Symposium on Advances in Extraction Technologies (ExTech 2021)", 29 June - 02 July 2021, online
- Oral communication entitled "Enantiomeric separation of chiral synthetic opioids and metabolites in DBS by UHPLC-HRMS" during the 7th international congress "European Bioanalysis Forum – Young Scientist Symposium (EBF - YSS)", 10-11 June 2021, online

- Poster entitled "Haematic microsampling for endogenous steroids: a proof of concept for anti-doping investigations" during the 7th international congress "European Bioanalysis Forum – Young Scientist Symposium (EBF - YSS)", 10-11 June 2021, online
- Poster entitled "Innovative ATR-FTIR methodology for cannabis product discrimination" during the 13th Young Medicinal Chemist Virtual Symposium – Nuove Prospettive in Chimica Farmaceutica (NPCF)", 26-29 April 2021, online
- Abstract for oral communication entitled "Patient-centric smart biosampling for the monitoring of cannabinoid-based therapies" during the international congress ACS- Spring 2021, 7 March 2021, online
- Poster entitled "New psychoactive substances (NPS) monitoring: an original methodology for hair analysis" during the sixth international congress "European Bioanalysis Forum – Young Scientist Symposium (EBF - YSS)", 24-25 September 2020, online
- Poster entitled "HemaXis in heroin addiction: innovative microsampling strategy for methadone monitoring in maintenance treatment patients" during the sixth international congress "European Bioanalysis Forum – Young Scientist Symposium (EBF - YSS)", 24-25 September 2020, online
- Poster entitled "An ATR-FTIR method for fast analyses of cannabis products" during the seventh international congress "European Federation for Medicinal Chemistry - Young Medicinal Chemistry Symposium (EFMC-YMCS)", 10-11 September 2020, online
- Abstract for oral communication entitled "Analytical advances for the assessment of Cannabis-derived products in the European scenario" during the international congress ACS- Fall 2020 Virtual Meeting & Expo, 17-20 August 2020, online
- Poster entitled "Capillary volumetric microsampling for the evaluation of methadone use and misuse" during the first congress I-YMCMMeet, 22-24 July 2020, online
- Poster entitled "Dried Blood Spots (DBS) per il microcampionamento e l'analisi LC-MS/MS di Δ^9 -tetraidrocannabinolo e metaboliti" during the 19th SITOX national congress, 11-12 February 2020, Savoia Regency Hotel, Bologna

Publications in scientific peer reviewed papers:

- Marco Cirrincione, Bruno Saladini, Virginia Brighenti, Stefano Salamone, Roberto Mandrioli, Federica Pollastro, Federica Pellati, Laura Mercolini, "Discriminating different *Cannabis sativa* L. chemotypes using attenuated total reflectance - infrared (ATR-FTIR) spectroscopy: a proof of concept" *J. Pharm. Biomed. Anal.* (IF: 3.05), 204, (2021)
doi: 10.1016/j.jpba.2021.114270
- Ina Varfaj, Michele Protti, Marco Cirrincione, Andrea Carotti, Laura Mercolini, Roccaldo Sardella, "Original enantioseparation of illicit fentanyl with cellulose-based chiral stationary phases under polar-ionic conditions" *J. Chromatogr. A* (IF: 4.05), (2021)
doi: 10.1016/j.chroma.2021.462088
- Michele Protti, Camilla Marasca, Marco Cirrincione, Angelo E. Sberna, Roberto Mandrioli, Laura Mercolini, "Dried urine microsampling coupled to liquid chromatography-tandem mass spectrometry (LC-MS/MS) for the analysis of unconjugated anabolic androgenic steroids" *Molecules* (IF: 3.31), 10, 3210-3227 (2020),
doi:10.3390/molecules25143210
- Michele Protti, Camilla Marasca, Marco Cirrincione, Andrea Cavalli, Roberto Mandrioli, Laura Mercolini, "Assessment of capillary volumetric blood microsampling for the analysis of central nervous system drugs and metabolites" *Analyst* (IF: 3.98) 10, 1039-1048 (2020),
doi:10.1039/d0an01039a
- Marco Cirrincione, Barbara Zanfognini, Laura Pigani, Michele Protti, Laura Mercolini, Chiara Zanardi, "Carbon black modified electrodes for the detection of cannabidiol in vegetable extracts", *Analyst* (IF: 3.98), (2020)
doi: 10.1039/d0an01932a

Education and formation

Pharmacist qualification
2019

Qualified to practice as a pharmacist after passing the state exam carried out at the University of Modena and Reggio Emilia in July 2019

Master Degree
2013 - 2019

University of MODENA and REGGIO EMILIA
Department of Life Science
Chemistry and pharmaceutical technology (D.M. 270/04)
LM-13 - Specialized Degree in Pharmacy and Industrial Pharmacy
Thesis entitled: "Sviluppo di un sensore elettrochimico per il rilevamento di cannabinoidi"
Thesis field: Analytical Chemistry
Thesis supervisor: Prof. Chiara Zanardi
Key words: Analytical Chemistry, Cannabis, CBD, Electrochemistry, Carbon Black
Age of degree: 25
Graduation mark: 108/110

High school instruction
2008-2013

ITIS E. Fermi
MODENA (MO)
Type of diploma: Italian secondary education diploma,
Type of school attended: state school
Diploma mark: 96/100

BOLOGNA, li 06/05/2022

FIRMA