

Daniela Crisci

Date of birth: 07/05/1985 | **Place of birth:** Italy | **Nationality:** Italian | **Sex:** Female |

Phone number: [REDACTED] (Mobile) | **Email address:** crisci@ceinge.unina.it

Address: [REDACTED]

WORK EXPERIENCE

❖ CEINGE-BIOTECNOLOGIE AVANZATE - NAPLES, ITALY

EMPLOYEE WITH PERMANENT EMPLOYMENT CONTRACT - 03/04/2018-CURRENT

Employee with an open-ended employment contract, classified as Quadro level of the CCNL Terziario e Servizi Confcommercio since January 2022

❖ CEINGE BIOTECNOLOGIE AVANZATE FRANCO SALVATORE S.C. A R.L. - NAPLES, ITALY

SUPERVISOR - 05/2022 - CURRENT

Role of supervisor with the following tasks within the company organization:

- a) oversee and supervise the observance by individual workers of their legal obligations, as well as company provisions regarding health and safety at work and the use of collective protection means and personal protective equipment made available to them and, in case of detection of non-compliant behavior with the provisions and instructions given by the employer and managers for collective and individual protection, intervene to modify the non-compliant behavior by providing the necessary safety instructions. In case of failure to implement the instructions given or persistence of non-observance, interrupt the worker's activity and inform direct superiors"
- b) ensure that only workers who have received adequate instructions access areas that expose them to a serious and specific risk;
- c) request compliance with measures for controlling risk situations in case of emergency and give instructions for workers, in case of serious, immediate and unavoidable danger, to leave the workplace or the dangerous area;
- d) inform workers exposed to the risk of serious and immediate danger as soon as possible about the risk itself and the provisions taken or to be taken regarding protection;
- e) refrain, except for duly motivated exceptions, from requiring workers to resume their activity in a work situation where a serious and immediate danger persists;
- f) promptly report to the employer or manager any deficiencies of work means and equipment and personal protective equipment, as well as any other dangerous condition that occurs during work, of which they become aware based on the training received;

g) in case of detection of deficiencies in work means and equipment and any dangerous condition detected during supervision, if necessary, temporarily interrupt the activity and, in any case, promptly report the detected non-conformities to the employer and manager"

h) attend specific training courses as provided for in article 37, paragraph 7 of Legislative Decree 81/2008.

❖ CEINGE BIOTECNOLOGIE AVANZATE FRANCO SALVATORE S.C. A R.L. - NAPLES, ITALY

COMMISSIONER - 09/03/2023-11/03/2023

Role of Commissioner of the technical commission in the tender procedure for the assignment of the service of collection and delivery of biological samples for extended neonatal screening of inherited metabolic diseases in the Campania and Calabria regions for a period of 36 months, possibly renewable for another 24 months

❖ CEINGE-BIOTECNOLOGIE AVANZATE S.C. A R.L. - NAPLES, ITALY

CLINICAL PATHOLOGY AND CLINICAL BIOCHEMISTRY SPECIALIST - 01/01/2018-31/03/2018

Extension of coordinated and continuous collaboration contract

❖ CEINGE BIOTECNOLOGIE AVANZATE S.C. A R.L. - NAPLES, ITALY

BIOLOGIST - 06/2017-09/2017

Extension of coordinated and continuous collaboration contract for the project "Preclinical development of new therapies and innovative strategies for the production of pharmacologically active molecules" - Project Code: PON03PE_00060_7/5

❖ CEINGE-BIOTECNOLOGIE AVANZATE S.C. A R.L. - NAPLES, ITALY

BIOLOGIST - 01/10/2017-31/12/2017

Extension of coordinated and continuous collaboration contract

❖ CEINGE-BIOTECNOLOGIE AVANZATE S.C. A R.L. - NAPLES, ITALY

BIOLOGIST - 07/2016- 12/2016

Coordinated and continuous collaboration contract for the project "Preclinical development of new therapies and innovative strategies for the production of pharmacologically active molecules" - Project Code: PON03PE_00060_7/5

❖ HOSPITAL PRESIDIO - MARCIANISE (CE), ITALY

POST-GRADUATE INTERNSHIP - 01/2013-07/2013

- Pre-analytics (sample treatment; medico-legal aspects)

- Urine analysis (microscopy; automated systems)
- ESR
- Clinical chemistry (calibrations; IQC and EQAS)
- Electrophoresis (serum and urinary proteins)
- Nephelometry (serum and urinary proteins; IQC)
- Immunometry (Ag-Ab reactions; thyroid hormones; infectivology; tumor markers; IQC and EQAS; allergology)
- Hematology (blood components; immunohematology; IQC and EQAS)
- Microbiology (cultures; identification systems; IQC and EQAS)
- Molecular biology (nucleic acid extraction, PCR, Real-Time PCR, amplicon reading)

❖ CEINGE-BIOTECNOLOGIE AVANZATE - NAPLES, ITALY

INTERNSHIP-EXPERIMENTAL THESIS - 11/2010-02/2012

- Application of differential proteomics methodologies to the study of metabolic diseases
- Characterization of molecules of biological interest, using classical biochemical methodologies integrated with the use of mass spectrometry techniques

EDUCATION AND TRAINING

➤ 25/08/2018-26/08/2018 Florence, Italy

II EDITION EXTENDED NEONATAL SCREENING SCHOOL XXII International Mass Spectrometry Conference - Expanded NS by Tandem Mass Spectrometry

Address: University of Florence, Florence, Italy

➤ 26/10/2017 Naples, Italy

SPECIALIST IN CLINICAL PATHOLOGY AND CLINICAL BIOCHEMISTRY University of Naples "Federico II"

Grade: 50 cum laude

- Extended neonatal screening for inherited metabolic diseases by tandem mass spectrometry (LC-MS/MS)
- Sample preparation for GCMS analysis - Sample preparation for serum and urinary amino acid quantification by liquid chromatography

- Acquisition and processing of data for the quantification of diagnostic metabolites of inborn errors of metabolism

- Laboratory Hematology - AOU "Federico II"

- Urinary Investigations - AOU "Federico II"

- Clinical Biochemistry (routine and blood gas analysis) - AOU "Federico II"

- Clinical Molecular Biology - AOU "Federico II"

- Immunohematology - Monaldi Hospital

- Immunoallergology - SDN

- Microbiology - Monaldi Hospital

- Virology - Monaldi Hospital

- Parasitology - Monaldi Hospital

- Cytofluorimetry - CEINGE

➤ 03/2016-07/2016 Naples, Italy

NUTRITION JUNIOR-PRACTICE COURSE-PROJECT

- The first visit and patient approach: reception and management

- Instrumentation at the service of the nutritionist and interpretation of blood chemistry tests

- One patient, one diet: how to structure and personalize the dietary plan

- Management of overweight, obese, underweight patients

- Diet and food education in childhood

- Management of elderly patients

- Diet in sport: how to optimize results

- Management of vegan/vegetarian patients

➤ 08/03/2016-10/03/2016

"EVOWARE STANDARD SOFTWARE" TECAN COURSE

- Software introduction

- Safety instructions

- Description of EVOWare Standard software
- Execution of a script
- Management of common errors
- Start of work, end of work, weekly and monthly maintenance

➤ 11/2014-09/2015 Naples, Italy

ADVANCED COURSE IN "FOOD HYGIENE, NUTRITION AND WELLNESS" University of Naples "Federico II"

- Food and food hygiene
- Food hygiene
- Food quality indices
- Nutrition: physiological aspects
- Nutrition and wellness
- Applied nutrition
- Nutrition and sport
- Vegetarian diet
- Eating disorders and intolerances
- Practical aspects for running a professional practice

➤ 23/01/2015-24/01/2015 Naples, Italy

TRAINING COURSE "PEDIATRIC ASSISTANCE FOR RARE DISEASES: THE MODEL OF GENETIC SYNDROMES AND INHERITED METABOLIC DISEASES"

➤ 09/09/2014 Naples, Italy

THEORETICAL-PRACTICAL COURSE ON EARLY CARDIAC DEFIBRILLATION (BLS-D)

➤ 07/2012

PROFESSIONAL QUALIFICATION BIOLOGIST

- Enrollment in Professional Register Section A of the National Order of Biologists with order number AA_067865
- Qualification to practice as a biologist

➤ 29/03/2012 Naples, Italy

MASTER'S DEGREE IN MEDICAL BIOTECHNOLOGY University of Naples "Federico II"

Thesis title: Study of the molecular basis of methylmalonic acidemia

Grade: 110 cum laude

LANGUAGE SKILLS

Mother tongue: ITALIAN

Other languages:

The following table:

	UNDERSTANDING		SPOKEN PRODUCTION		WRITING
	Listening	Reading	Spoken production	Oral interaction	
ENGLISH	C1	C1	B2	B2	C1
FRENCH	B2	B2	B2	B2	B2

Levels: A1 and A2: Elementary user B1 and B2: Independent user C1 and C2: Proficient user

DRIVING LICENSE

Driving license: B

PUBLICATIONS/ABSTRACTS

Publications

- "Combined biochemical profiling and DNA sequencing in the expanded newborn screening for inherited metabolic diseases: the experience in an Italian reference center"

Fecarotta S, Vaccaro L, Verde A, Alagia M, Rossi A, Colantuono C, Cacciapuoti MT, Annunziata P, Riccardo S, Grimaldi A, Fusco T, De Santis R, Barretta F, Albano L, Crisci D, Vallone F, Tarallo A, Cesana M, Brunetti-Pierri N, Frisso G, Ruoppolo M, Cacchiarelli D, Parenti G

Orphanet J Rare Dis. 2025 Jan 24;20(1):38. doi: 10.1186/s13023-025-03546-1

-"An asymptomatic father diagnosed with 3-methylcrotonyl-CoA carboxylase deficiency following his son newborn screening test"

Rosamaria Terracciano, Margherita Ruoppolo, Ferdinando Barretta, Lucia Albano, Daniela Crisci, Giovanna Gallo, Fabiana Uomo, Pietro Strisciuglio, Giancarlo Parenti, Giulia Frisso, Alessandro Rossi

Mol Genet Metab Rep. 2024 Jul 4;40:101116. doi: 10.1016/j.ymgmr.2024.101116. eCollection 2024 Sep.

-"NEWBORN SCREENING, DIAGNOSIS, AND MANAGEMENT OF INHERITED METABOLIC DISORDERS: STATUS AND PROGRESS OF THE SOUTHERN MEDITERRANEAN COUNTRIES"

E. PORCU, E. POSTOLI, P. CULLUFI, L. SANTORO, D. CRISCI, C. S. SIDIRA, P. AUGOUSTIDES-SAVVOPOULOU, A. SKOUMA, O. GRAFAKOU

JIM 2024; 1 (2): e539 DOI: 10.61012_20245_539

-"Contribution of Genetic Test to Early Diagnosis of Methylenetetrahydrofolate Reductase (MTHFR) Deficiency: The Experience of a Reference Center in Southern Italy"

Barretta F, Uomo F, Fecarotta S, Albano L, Crisci D, Verde A, Fisco MG, Gallo G, Dottore Stagna D, Pricolo MR, Alagia M, Terrone G, Rossi A, Parenti G, Ruoppolo M, Mazzaccara C, Frisso G

Genes (Basel). 2023 Apr 26;14(5):980. doi: 10.3390/genes14050980

-"Long term monitoring for short/branched-chain acyl-CoA dehydrogenase deficiency: a single-center 4-year experience and open issue"

Rossi A, Turturo M, Albano L, Fecarotta S, Barretta F, Crisci D, Gallo G, Perfetto R, Uomo F, Vallone F, Villani G, Strisciuglio P, Parenti G, Frisso G, Ruoppolo M.

Front Pediatr. 2022 Sep 6;10:895921. doi: 10.3389/fped.2022.895921. eCollection 2022.

-"Beneficial effects of slow-release large neutral amino acids after a Phenylalanine oral load in patients with Phenylketonuria"

Scala , Concolino D, Nastasi A, Esposito G, Crisci D, Sestito S, Ferraro S, Albano L, Ruoppolo M, Parenti G, Strisciuglio P. Nutrients.

2021 Nov 10;13(11):4012. doi: 10.3390/nu13114012.

-"Sex affect human premature neonates blood metabolome according to gestational age, parenteral nutrition and caffeine treatment"

Caterino M, Ruoppolo M, Costanzo M, Albano L, Crisci D, Sotgiu G, Saderi L, Montella A, Franconi F, Campesi I. Metabolites.

2021 Mar 9;11(3):158. doi: 10.3390/metabo11030158.

-"Hypermethioninemia in Campania: Results from 10 years of newborn screening"

Villani GRD, Albano L, Caterino M, Crisci D, Di Tommaso S, Fecarotta S, Fisco MG, Frisso G, Gallo G, Mazzaccara C, Marchese E, Nolano A, Parenti G, Pecce R, Redi A, Salvatore F, Strisciuglio P, Turturo MG, Vallone F, Ruoppolo M.

Mol Genet Metab Rep. 2019 Oct 11;21:100520. doi: 10.1016/j.ymgmr.2019.100520. eCollection 2019 Dec

-"Targeted metabolomic profiling in rat tissue reveals sex differences"

Ruoppolo M, Caterino M, Albano L, Pecce R, Di Girolamo MG, Crisci D, Costanzo M, Milella L, Franconi F, Campesi I. Sci Rep. 2018 Mar 16. doi: 10.1038/s41598-018-22869-7

- "Insulin-resistance in glycogen storage disease type Ia: linking carbohydrates and mitochondria?"

A Rossi, M Ruoppolo, P Formisano, G Villani, L Albano, G Gallo, D Crisci, A Moccia, G Parenti, P Strisciuglio, D Melis J Inherit Metab Dis.

2018 Feb 12. doi: 10.1007/s10545-018-0149-4.

- "Integration of Proteomics and Metabolomics in Exploring Genetic and Rare Metabolic Diseases"

Costanzo M, Zacchia M, Bruno G, Crisci D, Caterino M, Ruoppolo M Kidney Dis (Basel). 2017 Jul;3(2):66-77. doi: 10.1159/000477493. Epub 2017 Jun 30

Abstracts

-"Newborn screening of fatty acid beta-oxidation defects: six years of experience in the Campania region (2019-2024)"

Roberta Fedele, Ferdinando Barretta, Lucia Albano, Daniela Crisci, Giovanna Gallo, Vittoria Allegretti, Fabiana Vallone, Francesca Auriemma, Silvia Di Tommaso, Mariavittoria Esposito, Mariagrazia Fisco, Rossella Perfetto, Mariarca Pontillo, Rosa Sacchetti, Giancarlo Parenti, Simona Fecarotta, Giulia Frisso, Margherita Ruoppolo

XV National SIMMESN Congress, 2025

-"Hyperammonemia due to Carbonic Anhydrase VA deficiency caused by a novel homozygous deletion"

F. Barretta, F. Uomo, R.R. De Simone, L. Albano, D. Crisci, C. De Falco, N. Scognamiglio, C. Mazzaccara, M. Ruoppolo, S. Fecarotta, M. Sibilio, G. Frisso

XIV National SIMMESN Congress, 2024

-"A rare form of tyrosinemia identified by NGS molecular analysis and mRNA analysis"

F. Uomo, F. Barretta, R.R. De Simone, C. De Falco, L. Albano, D. Crisci, G. Gallo, C. Mazzaccara, M. Ruoppolo, S. Fecarotta, A. Rossi, G. Frisso

XIV National SIMMESN Congress, 2024

-"Possible pitfalls in the diagnosis of Multiple Acyl-CoA Dehydrogenase Deficiency in the Expanded Newborn Screening program. The importance of molecular characterization"

A Verde, F Barretta, A Rossi, Fecarotta, R Terracciano, F Uomo, L Albano, D Crisci, G Gallo, F Vallone, M Ruoppolo, G Frisso, G Parenti

XIII National SIMMESN Congress, 2023

- "Expanded Newborn Screening for inborn errors of metabolism: an effective public health prevention tool"

A Verde, G Manganelli, M Mancuso, G Fiorenza, F Barretta, A Rossi, S Fecarotta, L Albano, D Crisci, G Gallo, F Uomo, F Vallone, F Cimmino, M Ruoppolo, G Frisso, G Parenti

Italian Congress of Pediatrics, SIP 2023

- "Possible pitfalls in the diagnosis of Multiple Acyl-CoA Dehydrogenase Deficiency at Expanded Newborn Screening Program. The importance of the molecular characterization"

Alessandra Verde, Ferdinando Barretta, Alessandro Rossi, Simona Fecarotta, Rosamaria Terracciano, Fabiana Uomo, Lucia Albano, Daniela Crisci, Giovanna Gallo, Fabiana Vallone, Margherita Ruoppolo, Giulia Frisso, Giancarlo Parenti

SSIEM Annual Symposium, 2023

- "Cases of recalls to the Expanded Neonatal Screening for hyperthyrosinemia in Campania: the case of Hawkinsinuria"

Verde A, Rossi A, Fecarotta S, Barretta F, Uomo F, Albano L, Crisci D, Gallo G, Vallone F, Ruoppolo M, Frisso G, Parenti G XII National SIMMESN Congress, 2022

- "An MTHFR deficiency from Expanded Neonatal Screening highlights the critical issues in the use of methionine as a marker of the pathology"

Crisci D, Albano L, Di Tommaso S, Fisco M, Gallo G, Vallone F, Acquaviva F, Fecarotta S, Frisso G, Mazzaccara C, Parenti G, Strisciuglio P, Ruoppolo M

IX National SIMMESN Congress, 2018

- "Maternal metabolic defects: 10 years of Expanded Neonatal Screening in Campania"

Gallo G, Villani GDR, Albano L, Crisci D, Di Tommaso S, Fisco M, Pecce R, Acquaviva F, Fecarotta S, Frisso G, Parenti G, Strisciuglio P, Ruoppolo M

IX National SIMMESN Congress, 2018

- "Expanded Neonatal Screening (ENS): 10 years of experience in the Campania Region"

Albano L, Crisci D, Di Tommaso S, Fisco M, Gallo G, Pecce R, Villani G, Salvatore F, Ruoppolo M

VIII Annual SIMMESN Congress, 2017

- "Metabolomic approach in the study of inborn errors of metabolism"

M Ruoppolo, R Pecce, GRD Villani, L Albano, M Caterino, D Crisci, MG Di Girolamo, S Di Tommaso, G Gallo, F Salvatore SIB, 2017

- "Childhood obesity: an alarm with pandemic connotations"

Crisci D, Cioffi C

II Italo/Romanian meeting - XXI congress - Neonatology and pediatric Norman days, 2016

- **"Framework of thrombocytosis and importance of laboratory investigations"**

Guarino S, Crisci D, Cioffi S, Mormile R, Sibilio M, Colella A, Cioffi C

II Italo/Romanian meeting - XXI congress - Neonatology and pediatric Norman days, 2016

- **"Mutations with different outcomes in methylmalonic acidemia re-propose the problem of timing in expanded metabolic screening"**

GRD Villani, E Scolamiero, R Pecce, L Ingenito, MG Di Girolamo, L Albano, G Gallo, D Crisci, F Salvatore, G Frisso, M Ruoppolo

VII National SIMMESN Congress, 2015

- **"Diagnosis of metabolic diseases on clinical suspicion compared with expanded metabolic screening data"**

E.Scolamiero, G.R.D. Villani, R.Pecce, L.Ingenito, M.G. di Girolamo, L.Albano, G.Gallo, D.Crisci, C. Di Stefano, F.Salvatore, M.Ruoppolo

SIMMESN congress, 2015

- **"Newborn screening: a tool for the diagnosis of undiagnosed maternal metabolic defects"**

G.R.D. Villani, E.Scolamiero, R.Pecce, L.Ingenito, M.G. di Girolamo, L.Albano, G.Gallo, D.Crisci, C. Di Stefano, F.Salvatore, M.Ruoppolo

SIMMESN congress, 2015

- **"Importance of laboratory investigations for the diagnosis of extra-intestinal infectious complications of gastroenteric diseases"**

M.Flammia, D.Crisci, S. Guarino, R. Mormile, F.Mazzoccolo, M.E. Capasso, V. Comune, C.Cioffi

III National congress of the Italian Society of Hospital Pediatrics, 2010

CONFERENCES/SEMINARS

- ✓ Speaker as a International Cooperation Working Group member at the 2nd Training Meeting The newborn screening pathway. Focus on "Diagnostic confirmation pathway:main challenges", webinar, July 7, 2025
- ✓ Conferences/Seminars - III SIMMESN Days "Networking among working groups", Florence, April 9-10, 2025
- ✓ Conference "Neonatal Screenings in Campania Region: achievements of auditory and metabolic screenings and integration prospects", Naples, December 11, 2024
- ✓ SIBioC Event "Introduction to clinical mass spectrometry", Salerno, September 9-10, 2024
- ✓ II SIMMESN Days, Bologna, April 18-19, 2024

- ✓ World Rare Disease Day, Naples, February 16-17, 2023
- ✓ XII National SIMMESN Congress, Bari, November 9-10-11, 2022
- ✓ IX National SIMMESN Congress, Catania, November 21-22-23, 2018
- ✓ Regional SISA Section Campania Congress "From lifestyles to the most innovative drugs: how to face dyslipidemias today", Naples, October 11, 2018
- ✓ Conference "Metabolomics in Clinical Research and Diagnostics", Naples, March 2, 2018
- ✓ VIII Annual SIMMESN Congress, Rome, November 29-30 and December 1, 2017
- ✓ Seminar "Weaning and early childhood", April 2017
- ✓ Seminar "Pregnancy and breastfeeding", March 2017
- ✓ Conference "The role of the Clinical Biochemistry Laboratory in current clinical-diagnostic pathways", Naples, June 24, 2016
- ✓ Seminar "Menopause: living it stress-free with the right nutrition", February 2016 - Seminar "Women, cellulite, nutrition and physical exercise", December 2015
- ✓ Computerized Dietetics advanced course, Naples, September 24, 2015
- ✓ Training course "Pediatric assistance for rare diseases: the model of genetic syndromes and inherited metabolic diseases", Naples, January 23-24, 2015
- ✓ Regional SISA Campania Conference "Dyslipidemias: new frontiers in diagnosis and therapy", Naples, January 29, 2015
- ✓ III national congress of the Italian Society of Hospital Pediatrics as a speaker, Aversa (CE), November 26-27, 2010

SCIENTIFIC SOCIETIES

- CURRENT

Scientific societies

Member of the Italian Society for the Study of Inherited Metabolic Diseases and Neonatal Screening (SIMMESN)

- 05/2023-CURRENT

Member of the "INTERNATIONAL COOPERATION" Working Group

SIMMESN working group "International Cooperation for Neonatal Screening"

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