

Brigham and Women's Hospital - EXHIBIT 2006
PreOmics GmbH and Biognosys AG v. The Brigham and Women's Hospital, Inc.
IPR2024-01473

Contatta

www.linkedin.com/in/claudia-corbo-2a298232 (LinkedIn)
www.ceinge.unina.it (Company)

Competenze principali

Proteomics
Mass Spectrometry
Imaging Mass Spectrometry

Languages

Italiano (Native or Bilingual)
Inglese (Full Professional)

Claudia Corbo

Associate Professor of Biochemistry @ University Milano-Bicocca,
Scientist & Author
Milano, Lombardia, Italia

Riepilogo

An innovative biomedical scientist with 15+ years of experience in laboratory research and scientific writing. Strong desire to see my research translated for patient benefits. Great personal aptitudes as being; planning and organizing, analysis capacity, communication skills, empathy management capacity, conflicts resolution, and decision making. Excellent team worker. International experience (USA, UK, Italy).

Areas of Expertise:

- Drug delivery
- Biochemistry and Cancer Research
- Nanomedicine-protein corona
- Synthetic extracellular vesicles for targeting inflammation
- Proteomics and mass spectrometry
- Molecular, cellular, and biochemical assays
- Scientific writing and editing

As a postdoctoral fellow at Brigham and Women's Hospital/Harvard Medical School (2016-2018) I focused on new ways to utilize the interactions at the nano-bio interface (protein corona) for early diagnosis of cancer. This work has allowed me to interact with clinicians and scientists from a variety of backgrounds to improve patient care.

During my previous postdoctoral training at the Houston Methodist Research Institute (2013-2016), I have worked on numerous collaborative projects aimed at the developing of biomimetic nanoparticles for targeting inflammation. This experience helped me in developing great technical skills in nanomedicine and in managing multiple research projects, coordinating students' activities and writing scientific papers.

During my Ph.D. in Molecular Oncology at the European School of Molecular Medicine, I worked on the discovery of novel biomarkers of colon cancer stem cells by approaches of differentially proteomics

and mass spectrometry (2008-2012 @ CEINGE, Center for Genetic Engineering in Naples, Italy). This experience provided me with the opportunity to develop excellent skills in using protein purification and separation methods, advanced chromatography, high-resolution mass spectrometry and proteomics techniques.

Esperienza

Università degli Studi di Milano-Bicocca

6 anni 1 mese

Associate Professor of Biochemistry

novembre 2021 - Present (3 anni 2 mesi)

Milan, Lombardy, Italy

Assistant Professor of Biochemistry

dicembre 2018 - novembre 2021 (3 anni)

Milan

Ospedale Galeazzi - Sant'Ambrogio

Scientist

febbraio 2022 - Present (2 anni 11 mesi)

Milano

One Brave Idea

Senior Research Fellow

ottobre 2018 - novembre 2018 (2 mesi)

BWH, Harvard Medical School, Boston, MA

Harvard Medical School

Senior Research Fellow

novembre 2016 - ottobre 2018 (2 anni)

Boston, Stati Uniti

- Managed multiple collaborations- Mentored undergraduate students
- Performed analysis of interactions between plasma proteins and nanoparticles (protein corona) for diagnostic purposes
- Designed and performed proteomics experiments and bioinformatic analysis on the proteomic datasets
- Reviewed and analyzed mass spectrometry results, worksheets, and a variety of relevant documents for accuracy and completeness

- Served as key liaison across an interdisciplinary team composed of computational biologists, engineers, cell/molecular biologists, and clinicians
- Benefited from great scientific insights from scientific seminars and workshops at Harvard Medical School led by the foremost internationally acclaimed scientists and from attending scientific conferences within the campus and abroad.

Brigham and Women's Hospital

Senior Research Fellow

novembre 2016 - ottobre 2018 (2 anni)

Houston Methodist

Postdoctoral Research Fellow in Nanomedicine

agosto 2013 - ottobre 2016 (3 anni 3 mesi)

Houston, Texas, Stati Uniti

- Managed multiple projects focused on the development of biomimetic nanoparticles
- Designed, conducted, analyze and present all experiment/data in full autonomy
- Optimized technique for leukocyte membrane extraction and further synthesis of bioinspired leukocyte-like nanoparticles for targeting inflammation
- Initiated a new research line in the lab aimed at the understanding of interactions at the nano/bio interface (protein corona)
- Led top-down and bottom-up proteomic analyses in the lab

CEINGE Official Profile - Biotecnologie Avanzate Franco Salvatore

Postdoctoral Research Fellow

aprile 2012 - agosto 2013 (1 anno 5 mesi)

Napoli, Italia

- Utilized differential proteomics to discover biomarkers of cancer stem cells
- Performed DIGE and mass spec analysis to identify potential biomarkers
- Utilized most common biochemistry techniques
- Experienced teaching; advised students on the academic plan and course selection
- Managed undergraduate students

European School of Molecular Medicine (SEMM)

PhD student

gennaio 2008 - aprile 2012 (4 anni 4 mesi)

Napoli, Campania, Italia

- Utilized differential proteomics to discover biomarkers of cancer stem cells
- Focused on colorectal cancer and osteosarcoma
- Performed mass spectrometry and bioinformatic analyses of protein datasets
- Advised undergraduate students on the academic plan and course selection

Sheffield Hallam University

Visiting researcher

maggio 2010 - agosto 2010 (4 mesi)

Trained on MALDI IMAGING mass spectrometry

Università degli Studi di Napoli Federico II

Research Fellow

aprile 2005 - dicembre 2007 (2 anni 9 mesi)

Naples Area, Italy

Master thesis focused on quantitative mass spectrometry and post-translational modifications.

Formazione

Università degli Studi di Napoli 'Federico II'

Laurea in Chimica, Biochimica 110/110, Biochimica 110/110 · (2001 - 2006)