CURRICULUM VITAE

Cristina Maria Alberini, Ph.D., L.P.
Professor, Center for Neural Science
New York University
4 Washington Place
New York, NY 10003

Current Position: Professor, Center for Neural Science
New York University, New York, NY
Associate Investigator, Neuroscience Institute
NYU Langone Medical Center, New York, NY

ACADEMIC APPOINTMENTS:

1989–2003	Assistant Professor (Ricercatore Confermato) Chemistry Institute, Medical School University of Brescia, Brescia, Italy
1997–2000	Assistant Professor Department of Neuroscience Brown University, Providence, RI
2001–2004	Assistant Professor Department of Physiology and Biophysics Icahn School of Medicine at Mount Sinai, New York, NY
2004–2007	Associate Professor Department of Neuroscience, with secondary appointments in Psychiatry and Physiology and Biophysics Icahn School of Medicine at Mount Sinai, New York, NY
2007–2010	Associate Professor, with Tenure Department of Neuroscience, with secondary appointments in Psychiatry and Structural and Chemical Biology Icahn School of Medicine at Mount Sinai, New York, NY
2010–2011	Professor, with Tenure Department of Neuroscience, with secondary appointments in Psychiatry and Structural and Chemical Biology Icahn School of Medicine at Mount Sinai, New York, NY
2011–present	Professor, with Tenure Center for Neural Science New York University, New York, NY, USA

EDUCATION:

1988	Doctorate in Biology (Laurea) Summa Cum Laude University of Pavia, Pavia, Italy, July 17, 1981 Dissertation: *"New method for detecting the biological activity of human immunoglobulins in vitro"*. Mentors: Prof. Roberto Burgio, Prof. Alberto Ugazio
1988	Ph.D. in Immunology (Dottorato di Ricerca) University of Genoa, Genoa, Italy, June 16, 1988 Dissertation: *"Expression of membrane and secreted forms of T cell antigen receptor αβ"*. Mentors: Prof. Ellis Reinherz (Harvard University), Prof. Oreste Acuto (Harvard University)
1987–1989	Postdoctoral Research Fellow Laboratory of Molecular Biology, Chemistry Institute University of Brescia, Brescia, Italy Mentors: Prof. Alberto Ugazio, Prof. Alberto Albertini
1991–1994	Postdoctoral Research Fellow Center for Neurobiology and Behavior Columbia University, New York, NY Mentor: Prof. Eric Kandel
2003–2013	Psychoanalytic training at the National Psychological Association for Psychoanalysis (NPAP)

CERTIFICATION:

Not applicable.

LICENSURE:

2012–present	Licensed Psychoanalyst (LP), New York State

HONORS/AWARDS/PATENTS:

1991–1993	Human Frontier Science Program Organization Long-term Fellowship
1993–1994	TELETHON Long-term Fellowship
1994	CNR Short-term Fellowship
1998	R.B. Salomon Faculty Research Award
2002–2007	Hirschl-Weill Career Scientist Award

2008–2009	NARSAD Independent Investigator Award
2009	Golgi Medal Award
2010	McKnight Memory and Cognitive Disorder Award
2011	Dean's Award for Excellence in Basic Science Research, Mount Sinai
2012	Opening lecture for The Bernice Grafstein Lecture in Neuroscience
2012	Premio Atena 2012 per la Ricerca (Atena's Prize 2012), Medaglia del Presidente della Repubblica Italiana
2012	Paul Harris Fellow at the Rotary Club Cremona
2013	Method to Extend Research in Time (MERIT) Award for research grant R01 MH065635
2015	Member of the Aspen Institute Italia
2016	Premio Prize for American-Italian Relations (PAIR)
2017	Member of the Dana Alliance for Brain Initiatives
2017	Jacob K. Javits Visiting Professor at New York University (NYU)
2017–2022	Member of the Council of the Harvey Society
2019	Premio Rosa Camuna Regione Lombardia, Italy
2019	Invited to give a *Special Lecture* at the Society for Neuroscience
2022	New York University Julius Silver, Roslyn S. Silver, and Enid Silver Winslow Professor
2022	Elected Member of the American Academy of Arts and Sciences
2023	2023 Sloan Menninger Shevrin established award

OTHER PROFESSIONAL APPOINTMENTS:

2002–present	Member of the Council of the Molecular and Cellular Cognition Society
2006–2009	Elected Treasurer of the Molecular and Cellular Cognition Society
2004–2011	Member of the Editorial Board of *Neural Plasticity*
2007–2014	Associate Editor of *Frontiers in Neuroscience*
2008–2013	Member of the Learning and Memory (LAM) study section, National Institutes

of Health (NIH)

2008–2017 Member of the Editorial Board of *Neurobiology of Learning and Memory*

2009–2011 Co-Director of the Center of Excellence, Cognitive and Behavioral Neuroscience and Plasticity

2009–2012 Elected President of the Molecular and Cellular Cognition Society

2011–present Member of the Editorial Board of *Behavioral Neuroscience*

2011–present Member of the Editorial Board of *Learning and Memory*

2014–present Member of the European Brain Research Institute (EBRI) International Scientific Council (ISC)

2016–2017 Section Editor for Cellular and Molecular Neuroscience of *Hippocampus*

2017–2021 Editor-in-Chief of *Hippocampus*

2018–present Member of the Editorial Board of *Glia*

2021–present Editor Emeritus of *Hippocampus*

ADMINISTRATIVE LEADERSHIP APPOINTMENTS:

2003–2005 Co-director of the Summer Undergraduate Research Program (SURP)
Icahn School of Medicine at Mount Sinai, New York, NY

Student Thesis Committee:
Stephen Taubenfeld (Preceptor), Maria Milekic (Preceptor), Alex Proekt, Nikolai Dembrow, Panayiotis Tsokas, Tara Lauriat, Jul Lea Shami, Pamela Kennedy, Noura Abul-Husn, Bonnie Fletcher, Tao Ma, Justin Costa, Allyson Friedman, Dillon Chen (Preceptor), Dhanajay Bambah-Mukku (Preceptor), Sarah Stern (Preceptor), Virginia Gao (Preceptor), Amy Kohtz (Preceptor), Keria Bermudez Hernandez, Gauri Wable, Ashley Kopec, Mariela Mitre, Benjamin Lee, Thu Huynh, Susan Sheng (Preceptor), Florian Chmetz, Ain Chung, Luendreo Barboza (Preceptor), Aaron Katzman (Preceptor), Janelle Miranda (Preceptor), Ilona Kats, Adrienne Naomi Santiago, Talwar Vaishali, Anamaria Alexandrescu, Paige Miranda.

2020–2022 Chair of the Committee on Diversity, Equity and Inclusion
NYU Center for Neural Science, New York, NY

2018–2022 Executive Committee to the Chair of the NYU Center for Neural Science
NYU Center for Neural Science, New York, NY

ADMINISTRATIVE APPOINTMENTS

1997–2000 Member of the Neuroscience Graduate Program Admission Committee
Brown University, Providence, RI

1997–2000	Advisor, Neuroscience Undergraduate Concentration Brown University, Providence, RI
1998–2000	Member of the Neuroscience Undergraduate Curriculum Committee Brown University, Providence, RI
1998–2000	Member of the Molecular and Cell Biology Graduate Program Committee Brown University, Providence, RI
2001–2011	Member of Biological Sciences Graduate Program Committee Icahn School of Medicine at Mount Sinai, New York, NY
2006–2011	Member of the Shared Research Facilities (SRF) Advisory Committee Icahn School of Medicine at Mount Sinai, New York, NY
2006–2011	Member of the Planning of Animal Facility Committee Icahn School of Medicine at Mount Sinai, New York, NY
2012–2018	Member of the Neuroscience Graduate Program Admission Committee New York University, New York, NY
2019–2021	Member of the University Animal Welfare Committee (UAWC) New York University, New York, NY
2020–present	Member of the Committee on Committees and Rules NYU Center for Neural Science, New York, NY
2022–present	Member of the Scientific Board of the Societa Italiana di Neuropsichiatria dell'Infanzia e dell'Adolescenza (SINPIA)
2023	Member of FAS Equity Survey Committee

REVIEW PANEL/STUDY SECTION:

2001–2002	Ad hoc grant Reviewer, Israel Science Foundation
2003	Ad hoc grant Reviewer, Wellcome Trust
2005	Ad hoc Review Panel Member, F03A Neurodevelopment, Synaptic Plasticity, and Neurodegeneration Fellowship Study Section
2005	Ad hoc Mock Committee, National Institute of Neurological Disorders and Stroke (NINDS), Specialized Neuroscience Research Program University of Puerto Rico
2006	Ad hoc Reviewer, The National Institute on Drug Abuse (NIDA)
2006	Ad hoc grant Reviewer, Israel Science Foundation

2006	Ad hoc Intramural Review Panelist, NIH/National Institute of Mental Health (NIMH)
2006	Ad hoc Reviewer, Medical Research Council (MRC) Cambridge Grant
2006–2007	Ad hoc Reviewer, Special Emphasis Panel, NIH
2007	Ad hoc Panelist, National Science Foundation (Modulation)
2007–2008	Ad hoc study section Member, National Research Service Award (NRSA), Behavioral Neuroscience Fellowship
2008	Ad hoc Panelist, Special Emphasis Panel/Scientific Review Group
2008–2012	Study section Member, Neurobiology of Learning and Memory (LAM), NIH
2009–2010	Veterans Affairs
2009	Ad hoc, American Recovery and Reinvestment Act (ARRA)
2009, 2011	Ad hoc, NIMH Board of Scientific Counselors' (BSC) evaluation
2012–2013	Member, Faculty Search Committee NYU Center for Neural Science - Biology, New York, NY
2012–2016	Member, Faculty Merit Evaluation Committee New York University, New York, NY
2013	Ad hoc Reviewer, Committee for the Selection of Teaching and Research project "Messaggeri", Ministry of Education, Universities, and Research (Ministero dell'Istruzione, dell'Università e della Ricerca [MIUR])
2013, 2016	Ad hoc, NIH Director's New Innovator Award Program (DP2)
2016	Ad hoc Reviewer, National Institute of Environmental Health and Science (NIEHS) Board of Scientific Counselors' evaluation
2017–2018	Ad hoc, NIH/CSR Biobehavioral Regulation, Learning, and Ethology (BRLE)
2022	Ad hoc, study section Member, Learning and Memory Decision Neuroscience (LMDN)
2023	Ad hoc, study section Member, Learning and Memory Decision Neuroscience (LMDN)

Student Thesis Committee External Advisor:
Krisztian Kovacs (EPFL, Lausanne, Switzerland), Chris Pittenger (Columbia University), Kartik Ramamoorthi (MIT), Kuangfu Katie Hsiao (Icahn School of Medicine at Mount Sinai), Florian Chmetz (FBM/UNID of the University of Lausanne), Eric Szelenyi (Stony Brook University), Chun

Hui J Park (University of Melbourne, Australia), Edita Bulovaite (Edinburgh University, UK), Ajesh Jacob (Scuola Normale Superiore, Pisa (Italy).

SOCIETY MEMBERSHIP:

Council for Molecular and Cellular Cognition Society (MCCS)
Society for Neuroscience (SfN), USA
American Psychological Society (APA)
National Association for the Advancement of Psychoanalysis (NAAP)
International Neuropsychoanalysis Society
American Academy of Arts and Sciences

MEETING ORGANIZATION:

2003	"Genes, gene expression and long-term memory" (session), Winter Conference on Neural Plasticity, Guadeloupe
2004	"The role of neurogenesis in adult brain" (session), Winter Conference on Neural Plasticity, St. Lucia
2006	Summer School, Molecular and Cellular Cognition Society (MCCS), Venice, Italy
2010	Molecular and Cellular Cognition Society (MCCS), Chicago, IL
2011	Molecular and Cellular Cognition Society (MCCS), Washington DC
2012	"Frontiers in Stress and Cognition: From Molecules to Behavior", Ascona, Switzerland
2012	Molecular and Cellular Cognition Society (MCCS), New Orleans, LA
2016	"Frontiers in Memory Research", NYU La Pietra, Florence, Italy (co-organizers Wendy Suzuki and Yadin Dudai)
2017	"Advances in Memory Systems", New York, NY (co-organizers Yadin Dudai and Lila Davachi)

TRAINING RECORD:

Name	Trainee level	Role in training, dates	Trainee current status
Dario Finazzi	Post-doc	Supervisor 1988–1991	Assist. Prof. Univ. of Brescia (Italy)
	MD/Ph.D. student	Thesis advisor 1995–1996	

Anna Fra	Ph.D. student	Thesis advisor 1988–1991	Assist. Prof. Univ. of Brescia (Italy)
Sara Ingrassia	Post-doc	Supervisor 1995–1996	Assist. Prof. Univ. of Brescia (Italy)
Stephen Taubenfeld	MD/Ph.D. student	Thesis advisor	Post-doc Icahn School of Med. at Mount Sinai
		Supervisor 2005–2008	Senior Analyst Iguana Healthcare Partners
Maria Milekic	Ph.D. student	Thesis supervisor 2000–2005	Associate Research Scientist Columbia Univ.
Claudia Castellini	Post-doc	Supervisor 2001–2002	Global Account, Cerved Grouped SPA, Bologna (Italy)
Ana Garcia-Osta	Post-doc	Supervisor 2001–2006	Assist. Prof. Res. Univ. of Pamplona (Spain)
Khatuna Gagnidze	Ph.D. student	Supervisor 2002–2005	Research Associate Rockefeller Univ.
Sheena Brown	PREP student	Supervisor 2004–2005	Clinical Assist. Prof. Mercer Univ.
Sophie Tronel	Post-doc	Supervisor 2004–2006	Research Associate French Nat. Centre for Sci. Research (CNRS) (France)
Dillon Chen	MD/Ph.D. student	Thesis supervisor 2006–2011	Child Neurology Fellow Univ. of California San Diego
Justin Riceberg	Ph.D. student	Supervisor 2007–2009	Post-doc Icahn School of Med. at Mount Sinai
Elizaveta Muravieva	Post-doc	Supervisor 2008–2010	
Carmen Inda	Post-doc	Supervisor 2008–2011	Assist. Prof. City Univ. of New York

Akinobu Suzuki	Post-doc	Supervisor 2008–2011	Assist. Prof. Toyama Univ. (Japan)
Dhananjay Bambah-Mukku	Ph.D. student	Thesis supervisor 2008–2013	Post-doc Harvard Univ.
Melissa Noel	Post-doc	Supervisor 2009–2010	Biology Prof. Bard High School Early College
Amy Arguello	Post-doc	Supervisor 2009–2010	Assist. Prof. of Psych. Michigan State Univ.
Sarah Stern	Ph.D. student	Thesis supervisor 2009–2014	Post-doc Rockefeller Health Institute
Michael Garelick	Post-doc	Supervisor 2011–2014	Patent tech. advisor Cooley LLP
Reto Bisaz	Post-doc	Supervisor 2011–2014	Regulatory Affairs Associate Merz Pharma (Schweiz) AG (Switzerland)
Virginia Gao	MD/Ph.D. student	Thesis supervisor 2011–2016	Neurology Resident Weill Cornell Med. School
Xiaojing Ye	Post-doc	Supervisor 2011–2017	Assist. Prof. Zhongshan School of Med., Sun Yat-Sen Univ. (China)
Amy Kohtz	Ph.D. student	Thesis supervisor	Post-doc Rutgers Brain
Sarah Johnson	Post-doc	Supervisor 2012–2014	Post-doc Univ. of Florida
Charles Finsterwald	Post-doc	Supervisor 2012–2014	Chief Scientific Officer Co-founder Gliapharm (Switzerland)
Alessio Travaglia	Post-doc	Supervisor 2012–2018	Program Officer Alzheimer Drug Discovery Foundation
Susan Sheng	Ph.D. student	Supervisor 2013–2020	Science writer Massachusetts General Hospital

Adam Steinmetz	Post-doc	Supervisor 2014–2016	Research Program Analyst Nat. Institute on Aging
Michael Steinman	Post-doc	Supervisor 2014–2016	Post-doc The Scripps Research Institute
Matthew Perkins	Post-doc	Supervisor 2014–2016	Post-doc Icahn School of Med. at Mount Sinai
Emmanuel Cruz-Torres	Post-doc	Supervisor 2015–2020	Assist. Prof. Pontifical Catholic Univ. of Puerto Rico
Kiran Pandey	Post-doc	Supervisor 2015–present	
Ferdinando Fiumara	Visiting Senior Research Scientist	Supervisor 2016–2017	Assist. Prof. Univ. of Torino (Italy)
Giannina Descalzi	Post-doc	Supervisor 2016–2019	Assist. Prof. Ontario Veterinary College, Univ. of Guelph (Canada)
Xiao-Wen Yu	Post-doc	Supervisor 2016–2020	Senior Research Fellow Univ. of Otago (New Zealand)
Aaron Katzman	Ph.D. student	Supervisor 2016–2021	Scientific Supervisor Bioscience Communications
Luendreo Barboza	Ph.D. student	Supervisor 2016–2022	Scientist I BlueRock Therapeutics
Janelle Marie-Miranda	Ph.D. student	Supervisor 2016–2022	Life Sciences Consulting Specialist, at LEK Consulting
Benjamin Bessières	Post-doc	Supervisor 2016–present	
Ominakon Nazaroda	Undergraduate student	2019–2021	Graduate student
Kuldeep Tripathi	Post-doc	Supervisor 2020	
Francesca Aria	Post-doc	2021–present	
Leonardo Munari	Senior Scientist	2022	Synergy Medical

Jessica Gaunt	Post-doc	2022-present	Communications

Laboratory assistants, associates, and lab managers:

1989–1991, 1995–1996, 1998–1999, 2001–2008	Gabriella Pollonini
1989–1991, 1995–1997	Tiziana Gulotta
1997	Cristina Re
2001	Kimberly Stevens
2007–2009	Suzanna Katz
2013–2015	Nelson Humala
2014–2015	Dylan Iannitelli
2015	Amanda Rubin
2016	Claudio Fagioli
2016–2017	Margaret Jia
2016–2017	Dana Kapeller-Libermann
2022	Sangeetha Thangaswamy
2022	Camille Casiño

Undergraduate Independent Studies (Brown University and Icahn School of Medicine at Mount Sinai):
Severine Chavel, Evan Barba, Deborah Brenner, Jason Ruggiero, Manish Sethi, Bridget Dolan, Anand Padmanabhan, Tim Messitt, Shoma Dhar, Vanessa Winiger.

Undergraduate Teaching and Research Assistantship (UTRA at Brown) Awards:
Severine Chavel, Evan Barba, Deborah Brenner, Manish Sethi, Bridget Dolan.

Program in Liberal Medical Education (PLME) summer research assistantship award:
Shusmita Dhar.

Leadership Alliance Research Program:

Elva Granado.

Summer Undergraduate Research Program (Icahn School of Medicine at Mount Sinai):
Stephanie Cross, Ryan Corces-Zimmerman, Virginia Gao, Susan Sheng.

Summer Undergraduate Research Program (New York University):
Tenesha Connor, Johvany Plaisime, Marianne Tissot

Undergraduate, NYU:
Dana Kapeller-Libermann, Katie Furman, Xinying Zhang, Ominakhon Nazarzoda, Engel Erendzhenova, Nyah Jurado, Shlok Patel, Moyosoroeluwa Olayinka Olatosi

Master Research Program (Ecole Normale Superieure de Lyon, Lyon, France)
Lucie Dixsaut.

GRANTS AND CONTRACTS SUPPORT

PAST:

Dates	Funding source	Project title	Role
1997–2000, 2001–2002	Whitehall Foundation Competitive renewal	Gene expression regulation in long-term memory: the role of C/EBP family members	PI
1998	Solomon Faculty Research Award		PI
1998	Rhode Island Foundation	Cloning and molecular characterization of brain C/EBP family members	PI
2002–2007	Ima T. Hirschl Award Hirschl Trust	Molecular Mechanisms of Long-term Memory	PI
2002–2007	National Institute of Mental Health (NIMH) 1-R01 MH065635	Gene Expression in Long-term Memory	PI
2003–2005	National Institute on Drug Abuse (NIDA) 1R21 DA01672	Molecular Bases of Addictive Memories	PI
2004	Gaisman Award	Memory-related Signaling Pathway Interactions in Opiate Addiction (Collaborative project with Drs. Laksmi Devi and Bob Blitzer)	Co-PI
2005–2007	TOSINVEST-S.RAFFAELE		PI

	FOUNDATION		
2007–2009	NARSAD Independent Investigator Award	Preclinical Investigations for the Treatment of Post Traumatic Stress Disorder	PI
2007–2011	National Institute of Mental Health (NIMH) 1-R01 MH074736	Mechanisms Underlying Memory Stabilization	PI
2007–2012	National Institute of Mental Health (NIMH) 2-R01 MH065635	Gene Expression in Long-term Memory	PI
2008–2011	Philoctetes	Mechanisms of Addiction	PI
2008–2012	Philoctetes	Mechanisms of Early Traumatic Memories	PI
2011–2013	McKnight Endowment fund for Neuroscience (Memory and Cognitive Disorder Awards)	The Role of Astrocytes in Memory and Cognitive Disorders	PI
2012–2016	Agalma Foundation	Mechanism underlying unexpressed memories	PI
2012–2016	National Institute of Mental Health (NIMH) 2-R01 MH074736	Mechanisms Underlying Memory Stabilization	PI
2013–2018	National Institute of Mental Health (NIMH) 1-R01 MH100822	Astrocytic-neuronal Mechanisms in Memory Formation and Cognitive Impairments	PI
2017–2020	Foundation for Angelman Syndrome Therapeutic (FAST)	Therapeutic Effects of IGF2 in a Mouse Model of Angelman Syndrome	PI
2018–2021	Charles A. Dana Foundation	Mechanisms of memory formation in infant brain	PI
2012–2022	National Institute of Mental Health (NIMH) MERIT award 3-R37 MH065635	Gene Expression in Long-term Memory	PI

PRESENT:

Dates	**Funding source**	**Project title**	**Role**

2020–2022	Foundation for Angelman Syndrome Therapeutic (FAST) (Italy)		PI
2021–2025	1-R01 HD103641	Molecular mechanisms of infantile learning and memory	PI
2022–2027	National Institute of Mental Health (NIMH) R01-MH065635	Gene Expression in Long-term Memory	PI

TEACHING ACTIVITIES:

TEACHING ACTIVITIES AT ITALIAN UNIVERSITIES:

Undergraduate Schools:

1988–1991 Director, "Principles of Biology"
ISEF, Brescia, Italy

Medical Schools:

1994–1996 Director, "Chemistry" course, School of Dentistry
University of Brescia, Brescia, Italy

1994–1997 Director, "Chemistry" course, School of Medicine
University of Brescia, Brescia, Italy

1998–2002 Director, "Chemistry and Biochemistry of Memory Molecules"
University of Brescia, Brescia, Italy

Ph.D. Courses:

2001–2002 "From Behavior to Nerve Cells to Neuronal Plasticity", Basic Course on Neuroscience, Ph.D. program
Stazione Zoologica Anton Dohrn di Napoli Open University

TEACHING ACTIVITIES AT BROWN UNIVERSITY

Undergraduate and Graduate Schools:

1997 BN 001: The brain: an introduction to Neuroscience
Lecture: "Mechanisms of memory"

1998 BN 263: Current Topics in Neuroscience
Lecture series (3): "Molecular mechanisms of learning"

1998–2000	Course Director, BN102: Principles of Neurobiology Lecture series (4): "Genes and Synaptic Plasticity I–IV"
1999	BIO 201A: Introduction to MCB Faculty Trainer Research Lecture: "Genes and Memory"

Graduate Schools:

2000	Course Director, BN 214: Molecular Biology of Behavior

TEACHING ACTIVITIES AT ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI

Year	Course	Level	Role	Class size	Time
2002	1st year Reg. course	Graduate	Instructor	10	2 hr/course
2002	2nd year Reg. course	Graduate	Instructor	10	2 hr/course
2003	2nd year Reg. course	Graduate	Instructor	10	10 hrs/3 courses
2003	2nd year Journal club (MDT)	Graduate	Director	12	2 hr/week
2004	2nd year Journal club (MCBDS)	Graduate	Instructor	12	2 hr/week
2006–2007	1st year Reg. course	Graduate	Instructor	15–20	4 hrs/course
2008	1st year Reg. course	Graduate	Instructor	15–20	5 hrs/course
2008	1st year PSB module	Graduate	Instructor	15–20	1 hr/course

2003–2005	Co-Director Summer Undergraduate Research Program (SURP)
2009–2011	Co-Director of Core II, Neuroscience Graduate Program

TEACHING ACTIVITIES AT COLD SPRING HARBOR:

2009–2011	Co-Director, Biology of Memory Banbury Course

TEACHING ACTIVITIES AT NEW YORK UNIVERSITY (NYU):

2013, 2015, 2017–2021	Course director, "Biology of Memory: Systems and Diseases"
2021-present	Genetics and molecular mechanisms of memory
2014, 2016	Course director, "Current Enigmas in Memory Research"
2015–2017	Co-Director, "Growing Up in Science"

PUBLICATIONS:

PEER-REVIEWED

1. **Alberini, C. M.**, De Amici, M., Montagna, D., Guarnaccia, S., Nespoli, L., & Ugazio, A. G. (1982). Effetto immunostimolante della neuramide. Potenziamento della proliferazione linfocitaria e della produzione di immunoglobuline in vitro [Immunostimulant effect of neuramide. Potentiation of lymphocyte proliferation and production of immunoglobulins in vitro]. *Giornale italiano di chemioterapia*, 29(2), 139–144.
2. Astaldi-Ricotti, G. B. C., **Alberini, C. M.**, Montagna, D., Porta, F. A., DeAmici,. M., & Ugazio, A. G. (1983). Characterization of a subset of OKT8+, OKT10+, OKT3-, HNK1- cells with NK activity in cord blood lymphocytes. *Protides of Biological Fluids*, XXXI Colloquium E.Peepers ed. Acad.Press.

3. **Alberini, C. M.**, Maccario, R., Montagna, D., Porta, F., Vitiello, A., Nespoli, L., & Ugazio, A. G. (1983). Lymphocyte subpopulation in the neonate: characterization of a subset of OKT8-positive, OKT3-negative and HNK1-negative cells with natural killer activity. *European Journal of Pediatrics*, 140, 79.

4. Nespoli, L., Montagna, D., **Alberini, C. M.**, Porta, F., Maccario, R., Vitiello, A., & Burgio, G. R. (1983). Immunodeficiency in Down's syndrome: high percentage of circulating OKT8+, HNK-1+ lymphocytes with low avidity for sheep erythrocytes. *European Journal of Pediatrics*, 140, 79.

5. Vitiello, A., Maccario, R., Montagna, D., Porta, F., **Alberini, C. M.**, Mingrat, G., Astaldi-Ricotti, G. B. C., Nespoli, L., & Ugazio, A. G. (1984). Lymphocyte subpopulations in the neonate: a subset of HNK-1-, OKT3-, OKT8+ lymphocytes displays NK activity. *Cellular immunology*, 85(1), 252–257.

6. Maccario, R., Ugazio, A. G., Nespoli, L., **Alberini, C. M.**, Montagna, D., Porta, F., Bonetti, F., & Burgio, G. R. (1984). Lymphocyte subpopulations in Down's Syndrome: high percentage of circulating HNK-1+, Leu2a+ cells. *Clinical and Experimental Immunology*, 57, 220.

7. Marconi, M., Montagna, D., **Alberini, C. M.**, Porta, F., Lembo, G., & Giannetti, A. (1984). In vivo and in vitro evaluation of the influence of aromatic retinoid RO 10-9359 and of its metabolite TMMP-RA, RQ 10-1670 on polymorphonuclear leukocyte and lymphocyte functions in psoriatic subjects. *Acta Dermato-Venereologica* (Stockol.) Suppl. 113, 47.

8. Porta, F. A., Maccario, R., Ferrari, F. A., **Alberini, C. M.**, Montagna, D., De Amici, M., Giannetti, A., & Ugazio, A. G. (1985). Lymphocyte subpopulations in the neonate: high percentage of ANAE+ cells with low avidity for sheep erythrocytes. *Thymus*, 7(5), 263–269.

9. Montagna, D., Ferremi, P., **Alberini, C. M.**, Porta, F. A., de Amici, M., Astaldi-Ricotti, G. C., Maccario, R., & Ugazio, A. G. (1986). Lymphocyte subpopulations in the neonate: high percentage of circulating B73.1+, HNK-1- cells. *Thymus*, 8(3), 171–176.

10. **Alberini, C. M.**, Biassoni, R., DeAmbrosis, S., Vismara, D., & Sitia, R. (1987). Differentiation in the murine B cell lymphoma I.29: individual μ+ clones may be induced by lipopolysaccharide to both IgM secretion and isotype switching. *European journal of immunology*, 17(4), 555–562.

11. De Amici, M., **Alberini, C. M.**, Montagna, D., Guarnaccia, S., Avanzini, A., Nespoli, L., & Ugazio, A. G. (1987). Attività immunostimolante della neuramide. Raffronto con un estratto timico [Immunostimulating activity of neuramide. Comparison with a thymus extract]. *Recenti progressi in medicina*, 78(7-8), 354–357.

12. Sitia, R., **Alberini, C. M.**, Biassoni, R., Rubartelli, A., DeAmbrosis, S., & Vismara, D. (1988). The control of membrane and secreted heavy chain biosynthesis varies in different immunoglobulin isotypes produced by a monoclonal B cell lymphoma. *Molecular immunology*, 25(2), 189–197.

13. Sitia, R., **Alberini, C. M.**, & Valetti, C. (1988). Translational and posttranslational control of Ig gene expression. *Gene Expression and Regulation*. Elsevier Science Publisher B.V.

14. Alcover, A., **Alberini, C. M.**, Acuto, O., Clayton, L. K., Transy, C., Spagnoli, G. C., Moingeon, P., Lopez, P., & Reinherz, E. L. (1988). Interdependence of CD3-Ti and CD2 activation pathways in human T lymphocytes. *The EMBO journal*, 7(7), 1973–1977.

15. Sitia, R., Neuberger, M., **Alberini, C. M.**, Bet, P., Fra, A., Valetti, C., Williams, G., & Milstein, C. (1990). Developmental regulation of IgM secretion: the role of the carboxy-terminal cysteine. *Cell*, 60(5), 781–790.

16. **Alberini, C. M.**, Bet, P., Milstein, C., & Sitia, R. (1990). Secretion of immunoglobulin M assembly intermediates in the presence of reducing agents. *Nature*, 347(6292), 485–487.

17. Fra, A. M., **Alberini, C. M.**, Bet, P., Finazzi, D., Valetti, C., & Sitia, R. (1991). Modulating secretion of antibodies. *Annales de biologie clinique*, 49(5), 283–286.

18. Fra, A. M., Fagioli, C., Finazzi, D., Sitia, R., & **Alberini, C. M.** (1993). Quality control of ER synthesized proteins: an exposed thiol group as a three-way switch mediating assembly, retention and degradation. *The EMBO journal*, 12(12), 4755–4761.

19. **Alberini, C. M.**, Ghirardi, M., Metz, R., & Kandel, E. R. (1994). C/EBP is an immediate-early gene required for the consolidation of long-term facilitation in Aplysia. *Cell*, 76(6), 1099–1114.

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105. Cruz, E., Bessières, B., Magistretti, P., & **Alberini, C. M.** (2022). Differential role of neuronal glucose and PFKFB3 in memory formation during development. *Glia*, 70(11), 2207–2231.

106. Miranda, J. M., Cruz, E., Bessières, B., & **Alberini, C. M.** (2022). Hippocampal parvalbumin interneurons play a critical role in memory development. *Cell reports, 41*(7), 111643.

107. Aria, F., Pandey K., and **Alberini C.M.** (2022) Excessive protein accumulation and impaired autophagy in the hippocampus of Angelman syndrome modeled in mice. *Biological Psychiatry*. 2022 Dec 5:S0006-3223(22)01796-6.

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Chapters in books (Invited):

1. Sitia, R., **Alberini, C. M.***,* Biassoni, R., DeAmbrosis, S., & Vismara, D. (1986). Differentiation in the I.29 B cell lymphoma: precommitment to IgA or IgE switch in individual IgM+ clones. *The molecular basis of B cell differentiation and function.* Edited by Manlio Ferrarini and Benvenuto Pernis. Plenum Publishing Corporation, pp 23–28.

2. **Alberini, C. M.** (1996). Applicazioni Diagnostiche delle tecnologie del DNA ricombinante (Diagnostic applications of the recombinant DNA technology). *Immunologia e Allergologia Pediatrica*. Edited by G.R. Burgio and A.G. Ugazio. pp 697–707. UTET PERIODICI.

3. **Alberini, C. M.** (2006). CCAAT enhancer binding proteins in the nervous system: their role in development, differentiation, long-term synaptic plasticity and memory. In: Transcription Factors in the Nervous System. pp 243–258. Thiel G. (Ed). WILEY-VCH.

4. **Alberini, C. M.** & Taubenfeld S. M. (2007). Molecular Mechanisms of Memory: Memory Reconsolidation. In press. Learning and Memory: A Comprehensive Reference. Edited by John H Byrne.

5. **Alberini, C. M.** (2010). Long-term memories: The Good, the Bad, and the Ugly. CEREBRUM. Dana Press.

6. **Alberini, C. M.**, Bambah-Mukku, D. & Chen, D. Y. (2012). Memory Mechanisms in Health and Disease: Mechanistic Basis of Memory. World Scientific Publishing. Editor: Karl P. Giese.

7. **Alberini, C. M.**, Ansermet, F., & Magistretti, P. (2012). Memory trace re-association and homeostatic processes: a working model of the Freudian unconscious. Chapter 14. Memory Reconsolidation. 2012, Academic Press. Editor: Cristina M. Alberini.

8. **Alberini, C. M.**, Johnson S.A., & Ye X. (2012) Mechanisms and functions of memory reconsolidation: lingering consolidation and the dynamic memory trace. Chapter 5. Memory Reconsolidation. Academic Press. Editor: Cristina M. Alberini.

9. **Alberini, C. M.** (2013). Memoria: traccia fragile e dinamica. Chapter 1. Neuroscienze e teoria psicoanalitica. Springer–Verlag, Italy. Editors: Cena Loredana, Imbasciati Antonio.

10. **Alberini, C. M.**, Klann, E. (2013). Regulation of Neuronal Gene Expression and Protein Synthesis. Chapter 5. From Molecules to networks. An introduction to cellular and molecular Neuroscience. (2013) Elsevier. Editors: John H. Byrne, Ruth Heidelberger, M. Neal Waxham.

INVITED LECTURES/PRESENTATIONS (Partial list from the last 10 years)

2012 University of Maryland School of Medicine. Baltimore, MD.

2012 UCLA, Integrative Center for Learning and Memory Inaugural Symposium, Los Angeles, CA.

2012 "Synthesis, degradation and localization of molecules and neuronal structures in learning and memory processes"
European Molecular and Cellular Cognition Society/Haifa Forum for Brain and Behavior Israel Science Foundation, Haifa, Israel

2012 "Science Days: Frontiers in Brain and Cognition"
NYU Weizmann Institute, Rehovot, Israel

2012 "The Bernice Grafstein Lecture in Neuroscience" (inaugural speaker)
Cornell University, New York, NY.

2012 "I protagonisti italiani all'estero"
Conference of the Aspen Institute, Rome, Italy

2012 Ministero Affari Esteri/Ministero dell `istruzione dell`Universita e della Ricerca , " Gli scienziati italiani nel mondo e la crescita del Paese", Rome.

2012 Invited Speaker to the J.David Gladstone Institutes of Neurological Disease. "Molecular Mechanism of Long-Term Memory". San Francisco, CA.

2012 Convegno in onore della Ricerca Scientifica Atena Onlus."The Beautiful brain". Scienza ed Arte. Il ruolo del cervello e della mente nell'interpretazione del bello. Rome, Italy.

2012 MCCS, Barcelona, Spain.

2012 Alcohol and Drug Abuse Research Program, Washington State University, Vancouver, Canada.

2012 Department of Neurobiology and Behavior, SUNY-Stony Brook, Stony Brook, NY.

2012 Pavlovian Society, Jersey City, New Jersey.

2012 Frontiers in Stress and Cognition: From Molecules to Behavior, Ascona, Italy.

2012 University of Brescia. School of Medicine. Brescia, Italy.

2012 American College of Neuropsychopharmacology. Hollywood, Florida.

2013 Mortimer D. Sakler Winter Conference in Developmental Psychobiology, Providenciales, Turks & Caicos Island.

2013 Aspen seminar for leaders, Venice, Italy.

2013 Department of Bioscience Kyoto University, Kyoto, Japan.

2013 MCCS, Asia 6th Annual Meeting in Kyoto, Japan.

2013 Neuro2013: Japan Neuroscience Society Annual Meeting, Japan.

2013 Department of Biochemistry, Graduate School of Medicine & Pharmaceutical Sciences, Toyama University, Toyama, Japan.

2013 McKnight annual meeting, Aspen, Colorado.

2013 Nathan S. Kline Institute, Orangeburg, NY.

2013 Le Groupe de Recherche sur le Système Nerveux Central (GRSNC), University of Montreal, Montréal, Canada.

2013 45th EEBS Meeting Munich, Germany.

2013 UCSD, Invited speaker to UCSD Neuroscience graduate program, San Diego, CA.

2014 Winter Conference on Neural Plasticity Vieques, Puerto Rico.

2014 Department of Neurology and Neuroscience, Rutgers University, Newark, NJ.

2014 The Picower Institute for Learning and Memory at MIT, Boston, MA.

2014 UT Southwestern Medical Center, Dallas, TX.

2014 Bordeaux Neurocampus, Bordeaux University, Bordeaux, France.

2014 MCCS, Milan, Italy.

2014 The Children's Hospital of Philadelphia, Philadelphia, PA.

2014 Congresso FMSI (Federazione Medico Sportiva Italiana), Catania, Italy.

2014 Molecular Psychiatry Association, San Francisco, CA.

2014 "Symposium – Aerobic Glycolysis in the Brain: Emerging Roles of Lactate in Synaptic Plasticity and Axonal Function"
Society for Neuroscience, Washington DC

2015 Mortimer D. Sakler Winter Conference in Developmental Psychobiology, Providenciales, Turks & Caicos Island.

2015 Winter Conference on Neural Plasticity, Barbados, WI.

2015 Society of Biological Psychiatry Symposium, Toronto, Canada.

2015 Aspen Seminar for Leaders, Venice, Italy.

2015 "Scienza e Bellezza" conference gli ex degli Aselli, Cremona, Italy.

2015 Meeting Atena Onlus foundation in Campidoglio, Rome, Italy.

2015 Centro Milanese di Psicoanalisi, Milan, Italy.

2015 School of Medicine, Brescia University, Brescia, Italy.

2015 Food Security, Nutrition and Global Health, Aspen Forum at EXPO, Milan, Italy.

2015 Istituto Tecnologie Biomediche Avanzate, CNR, Milan, Italy.

2015 The 16th International Neuropsychoanalysis Congress, Amsterdam, Netherlands.

2015 Symposium International Psychoanalytical Association's 49th Congress, Boston, MA.

2015 Lecture at Yellowbricks Consultation and Treatment Center, Northwestern University Medical School, Evanston, IL.

2015 Keynote lecture, Queens College, Behavioral and Cognitive Neuroscience, The Graduate Center, CUNY, Flushing, NY.

2015 Fall 2015 Seminar series. Department of Biology. New York University, NY.

2015 7th annual Tufts Neuroscience Symposium, Tufts University, Boston, ME.

2015 Nestlé International Nutrition Symposium - Cognition and Brain Health, Lausanne, Switzerland.

2015 Seminar series in Neuroscience, UTHealth University of Texas, Houston, Texas.

2015 Symposium EPFL Brain Mind Institute, Lausanne, Switzerland.

2015 Seminar, Psychoanalytic Center of Milan, Milan, Italy.

2016 Mortimer D. Sakler Winter Conference in Developmental Psychobiology, Liberia, Costa

Rica.

2016 Colloquium and Seminar series, CSBN/Psychology, Concordia University, Montreal, Canada.

2016 Seminar at SEMINARI PSICOANALITICI 2016, Pavia, Italy.

2016 Frontiers in Memory Research, NYU La Pietra, Florence.

2016 Symposium, 10th FENS forum in Neuroscience, Federation of European Neurosciences Society, Copenhagen, Netherlands.

2016 Cell Press LabLinks symposium: Emotion and the Brain, NYU, NY, NY.

2016 The Fresco Conference on Synaptic Plasticity: from bench to bedside The Fourth International Workshop on Synaptic Plasticity, Lucca, Italy.

2016 Seminar at International Workshop in memory of Rita Levi-Montalcini entitled 'Gene targeting and new Frontiers in Neuroscience', Rome, Italy.

2016 Neuroscience Seminar Series, Harvard Medical School, Boston, MA.

2017 Mortimer D. Sakler Winter Conference in Developmental Psychobiology, Providenciales, Turks & Caicos Island.

2017 Grand Rounds, "The Instability of Long-term Memory in Psychiatric Disorders and Treatments", Nassau University Medical Center, East Meadow, NY.

2017 Seminar, RISE Program Health Sciences University, Ponce, Puerto Rico.

2017 Bertarelli Symposium 2017. Perception, Learning and Memory: Neuroengineering Perspectives, Geneva, Switzerland.

2017 Seminar, Department of Molecular and Cell Biology, Harvard University, Boston, MA.

2017 Neurodegeneration Workshop, ChanZuckerberg initiative, San Francisco, CA.

2017 Educational Conference - Synapses & Psychoanalysis. Yellowbrick, The Chicago Institute of Psychoanalysis, Chicago, IL.

2017 American Psychiatric Association (APA) Annual Meeting, San Diego, CA.

2017 Advance in Memory System Symposium, New York University, NY, NY.

2017 McKnight Conference on Neuroscience, Aspen, CO.

2017 Amygdala Function in Emotion, Cognition, & Disease, Gordon Research Conference, Stonehill College, North Easton, MA.

2017 Seminar, Psychiatry and Neuroscience Departments, Yale School of Medicine, New Haven, CT.

2017 Aspen seminar for Leaders, Venice, Italy.

2018 Roger A. MacKinnon Grand Rounds, Dept. of Psychiatry, Columbia University, New York, NY.

2018 Keynote lecture, 3rd Gordon Research Conference on Sleep Regulation and Function, Galveston, TX.

2018 Jacob K. Javits Visiting Professorship Lecture, New York, NY.

2018 Lecture at the International Conference for Learning and Memory, UCI, Huntington Beach, CA

2018 Stanford Neuroscience Seminar Series, Stanford, CA

2018 Lecture at International Behavioral Neuroscience Society, Boca Raton, FL

2018 Gordon Research Conference "Synaptic Transmission, Waterville, NH

2018 Plenary Lecture, 19th International Neuropsychoanalysis Congress, Mexico City, Mexico

2018 Georgia State University's Brains & Behavior (B&B) Distinguished Lecture, Atlanta, GA

2018 Joint Seminars in Neuroscience, UCLA, Los Angeles

2018 University of Brescia, Italy, Seminario Internazionale "Le basi neurobiologiche dell'amnesia infantile: il sistema di apprendimento e memoria sta imparando ad imparare. Implicazioni per patologie dello sviluppo delle funzioni mentali".

2018 Aspen Seminars for Leaders, Venezia, Italy

2018 Angelman Science Summit, Chicago

2018 Neuroscience Seminar Series Scripps Research Institute, La Jolla, CA

2019 The 34th Winter Conference on Developmental Psychobiology, Turks and Caicos

2019 Nathan Kline Institute Seminar, Orangeburg, NY

2019 American Psychoanalytic Association Annual Symposium. Lecture at the Psychoanalysis and Neuroscience Study Group of the American Psychoanalytic Association. New York

2019 Lecture at Winter Conference on Neural Plasticity. Moorea, French Polynesia

2019 The Brain Prize. Lecture at Proteins and Circuits in Memory. Copenhagen

2019 Lecture, XXXVI National Congress of the Italian Federation of Sports Medicine

2019 Lecture at Workshop" On the Psyche in Psychoanalysis, Mount Sinai School of Medicine, New York

2019 Presentation at the "Debate: Is Psychoanalysis Relevant To Neuroscience?" , New York University, Department of Philosophy

2019 Lecture at "Memory Consolidation, Reconsolidation and the Dynamic Storage of Experiences Re: Trace Re-Association and the Freudian Unconscious New York University, Department of Philosophy

2019 Lecture EMBO Workshop on Cell Biology of the Neuron: Polarity, Plasticity and Regeneration, Crete, Greece

2019 Lecture at INGM- University of Milan, Italy, 2019

2019 Lecture at the Scuola Normale Superiore, Pisa, Italy

2019 Lecture at Policlinico, University of Milan, Italy

2019 Lecture at Workshop "L'immodificabilità del passato" University of Cagliari, Cagliari, Italy

2019 Lecture at the Gordon Research Conference "Neurotrophic Mechanisms in Health and Disease, Newport, RI

2019 Lecture at the Symposium: "Memory in The Brain: From Learning to Forgetting. Weizmann Institute of Science, Rehovot, Israel

2019 Lecture at the XIV European Meeting on Glial Cells in Health and Disease, Porto, Portugal.

2019 Lecture "Molecular mechanisms of episodic learning and memory in early development" 7th Annual Flux Congress. New York.

2019 Lecture "Molecular mechanisms of episodic memory consolidation and enhancement" at Columbia University, Department of Psychiatry.

2019 Invited Special Lecture, Society for Neuroscience: "The Neurobiology of Long-Term Memory: Key Molecules, Diverse Cell Types, Temporal Dynamics, and Critical Periods".

2019 Lecture: Biologia dell'apprendimento e memoria: le basi della nostra individualita'. Fondazione Zoe', Vivere Sani Vivere Bene; Vicenza, Italy

2019 Lecture "Infantile amnesia: a critical period of learning to learn and remember", Trainee-Sponsored Seminar Series, Children's National Hospital, Washington DC.

2020 Lecture "The Infantile Amnesia Paradox: A Critical Period of Learning to Learn and Remember" Dartmouth College Psychological and Brain Sciences Department. Hanover, NH

2020 Lecture "From Neuroscience to psychoanalysis and back" Psychoanalytic Association of New York (PANY) Research Course.

2020 Virtual lecture to SISSA, Trieste "The Neurobiology of Long-Term Memory: Key molecules, Diverse Cell Types, Temporal Dynamics, and Critical Periods". SISSA, Trieste, Italy

2020 Keynote Speaker of the 2020 Virtual Neuroscience Retreat of University of Rochester.

2020 Invited speaker, Virtual visit, University of Utah Neuroscience Seminar series. University of Utah, Salt Lake City.

2021 Virtual Lecture at the Rapaport-Klein Study group Annual Meeting.

2021 Virtual Lecture at the Neuropsychoanalysis Association Annual Conference.

2021 Virtual Plenary Lecture, SINS (Italian Society for Neuroscience)

2021 EMOTIONS conference 19 November, Rome

2022 Virtual Lecture, Sigmund Freud University, Milan, Italy

2022 Invited Lecture-Autophagy in brain health and disease- EMBO Conference. Sant Feliu de Guixols, Spain.

2022 Invited Lecture at the Molecular and Systems Neuroscience of Cognition Symposium - Honoring Karim Nader Event- Virtual. August 23rd.

2022 Invited Lecture at XXV Congresso Nazionale SIGU (Italian Society of Genetics). Virtual, Sept 8th.

2022 SN Flagship School "Brain Metabolism in Health and Disease", Schmerlenbach, Germany September 25th to October 2nd, 2022, invited lecturer.

2023 Co-Chair session of session "The ontogeny of episodic memory" in Winter Conference in Developmental Psychobiology, Punta Cana DR, Jan 4-8 2023

2023 Invited Speaker at the symposium "What is memory?", Lausanne, Switzerland Feb 15,16

2023 Invited talk at Mahoney Institute for Neurosciences colloquium series at the University of Pennsylvania March 1st.

2023 Invited lecture at MCB 146 Course, Harvard University, March 21st.

PATENT APPLICATIONS

- Use of Mannose 6 phosphate and modifications thereof for memory enhancement and reducing memory impairment

- Use of IGF-2 receptor agonist ligands for treatment of Angelman syndrome and autism

- Use of IGF-2 for Treatment of Epileptic Seizures

BIOTECH STARTUP

2020-present Founder, President of Ritrova Therapeutics, Inc

2020–2022
And 2023-present CEO of Ritrova Therapeutics, Inc

MEDIA RESOURCES:

Website: http://alberinilab.org/