PERSONAL INFORMATION **DANIELA CORDA**

National Research Council of Italy - CNR
Department of Biomedical Sciences - DSB
Piazzale Aldo Moro 7
00185 Rome, Italy

+39 06 4993.2458/3714 +39 3289220363

daniela.corda@cnr.it

http://dsb.cnr.it/Department/Director

Sex Female | Date of birth 19/06/1955 | Nationality Italian

CURRENT POSITION

University	EPR	Enterprise
☐ Full professor	X Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator	☐ Management Level
☐ Associate Professor	☐ Level III Researcher and Technologist	☐ Mid-Management Level
☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Employee / worker level

WORK EXPERIENCE

Since December 2019 **Director of the Department of Biomedical Sciences**
National Research Council, Rome, Italy.

From Nov 2018 To Nov 2019 **Director of Research (Principal Investigator)**
Institute of Biochemistry and Cell Biology, National Research Council, Naples, Italy.

From 2009 To 2018 **Director of the Institute of Protein Biochemistry**
National Research Council, Naples, Italy.

From 2010 To 2016 **President of the National Research Council Research Area NA1**
Via Pietro Castellino 111, Naples, Italy

From 2004 To 2009 **Director for Research & Development**
"Mario Negri Sud" Institute, S. Maria Imbaro (Chieti), Italy.

2004 **Co-founder of TIDID** (**T**elethon **I**nitiative for the **Di**scovery of **D**rug targets).

From 1996 To 2003 **Head of the Department of Cell Biology and Oncology**
“Mario Negri Sud" Institute, S. Maria Imbaro (Chieti), Italy.

From 1988 To 2009 **Head of the Laboratory of Cell Regulation**
"Mario Negri Sud" Institute, S. Maria Imbaro (Chieti), Italy.
Research field: signal transduction, ADP-ribosylation, G-protein mediated signalling, lipid metabolism, cell biology.

1987 **Co-founder of the Consorzio Mario Negri Sud**
S. Maria Imbaro (Chieti) Italy

August 1987 **Visiting Scientist, Department of Hormone Research**
the Weizmann Institute of Science, Rehovot, Israel.
Research field: G-protein mediated signalling.

From 1986 To 1988 **Chief of the Research Unit on Cell Regulation**
“Mario Negri" Institute for Pharmacological Research, Milano, Italy.
Research field: signal transduction, TSH and thyroid hormone action, G-protein mediated signalling.

From 1983 To 1986 **Fogarty Visiting Fellow**
Laboratory of Biochemistry and Metabolism, National Institute of Diabetes, and Digestive and Kidney Diseases, National Institute of Health, Bethesda, Maryland, USA.
Research field: biochemistry, signal transduction, TSH and thyroid hormone action.

May/June 1980	**Visiting PhD student,** Kernforschungsanlage, Institute fur Neurobiologie, Julich, Germany Research field: mechanisms of rhodopsin photoactivation.
From 1979 To 1983	**Ph.D. Student** Department of Membrane Research, the Weizmann Institute of Science. Rehovot, Israel. Research field: membrane biology and biophysics.
From 1973 To 1977	**First degree Student (laurea)** Faculty of Biological Sciences, University of Perugia, Italy.

EDUCATION AND TRAINING

1984	**PhD in Life Sciences**, the Weizmann Institute of Science, Rehovot, Israel.
From 1979 To 1983	**Ph.D. Student**, Department of Membrane Research, the Weizmann Institute of Science. Rehovot, Israel. Research field: membrane biology and biophysics.
1977	**Laurea in Biological Sciences**, Summa cum Laude. University of Perugia, Italy.
From 1973 To 1977	**Studies for Laurea** the pre-doctoral Degree in Biological Sciences, University of Perugia, Italy. Research field: photochemistry and biophysics.

PERSONAL SKILLS

Mother Tongue	Italian
Other language	English, full professional proficiency

COMMUNICATION SKILLS

Teaching activities

1978-1979	Part-time Teaching Assistant for the Practical course of Physical Chemistry, Department of Chemistry, University of Perugia, Italy.
1981	Assistant for the course on "Biological membranes", Graduate Feinberg School of the Weizmann Institute of Science, Rehovot, Israel.
1987	Lecture course on “Molecular meccanisms of signal transduction”, PhD School on "Endocrinology and Metabolism", Federico II University, Napoli, Italy.
1989	Lecture course on “Regulatory mechanisms of adenylyl cyclase” PhD School on "Cellular and Molecular Biology, Milano University, Milano, Italy.
1991	Lecture course on “Signal transduction in normal and cancer cells” Medical School, Post-graduated School in Oncology, Catholic University “Sacro Cuore”, Rome, Italy.
1991-1992	Lecture course on “General Pathology II: Signal transduction mechanisms regulating cell proliferation” (Adjunct Professor), Medical School, University of Chieti, Chieti, Italy.
1992	Lecture course on “G protein regulation in normal and ras-transformed cells” PhD School in Experimental Medicine, Perugia University, Perugia, Italy.
1991-2005	Lecture course on “Molecular Pathology, Cellular Kinetics and Metabolism” (Adjunct Professor), Medical School, Post-graduated-Specialty School in Oncology, Catholic University “Sacro Cuore”, Rome, Italy.
1997-2009	Faculty member of the PhD programme of the Open University (UK) at "Mario Negri Sud" Institute, S. Maria Imbaro (Chieti), Italy, supervised 9 PhD Students; examined 2 Students.
2009-2013	Faculty member of the PhD programme of the Open University (UK) at Telethon Institute-TIGEM, Naples, Italy, supervised 4 PhD Students; 13 PhDs completed.
2013-2017	Supervisor, Joint International Doctorate programme of the Institute of Protein Biochemistry, CNR and the "Luigi Vanvitelli" University of Campania; supervised 4 PhD/Doctorate Students.
Since 2017	Co-Supervisor of the joint PhD programme of the Open University (UK) and the Marine Station "Anton Dohrn", Naples, Italy.

Since 2017 Member of the Faculty Board of the PhD programme in Science and Technology for Humans and the Environment of the Campus Bio-Medico University Hospital, Rome, Italy.

Since 1990 Invited Lecturer at several PhD courses and post-graduate Medical Schools

Since 1986 **Science Communications**

Invited speaker at several national and international workshops and congresses, invited lecturer at International Universities and Research Centers (see *Presentations*). As director of the Department of Biomedical Sciences, organizer and promoters of Departmental Conferences, seminars, inter institutes scientific programs.

Since 2000 **Science policy and dissemination activities**

Invited speaker and /or discussant in numerous "career in science" and "gender balance awareness" events at the national and international levels as expert and member of relevant committees in FP6, FP7 and H2020 or in scientific organizations (i.e., ELSO, FEBS, EMBO). Also invited speaker as Italy's Delegate for ERC, MSCA and FET programs to national activities related to the launch of these programs, or presentations of the H2020 opportunities in high schools, universities, PhD and scientific associations. Speaker for science dissemination for the general public on behalf of Charities such as the Italian Association for Cancer Research (AIRC), Telethon (the charity dedicated to genetic diseases), Italian Association for Multiple Sclerosis (AISM).
More recently, in the capacity of director of the Department of Biomedical Sciences at the CNR, the activities have been focused more on national science policies, with emphasis at the public and private research contributions to the development of the scientific community and the Nation, with participations at several related events.

Examples among the activities as Italian delegate in H2020, some in collaboration with the Agency for the Promotion of the European Research (APRE), with the EC or with national events, are listed below:

29 September- 1 October 2021 Moderator of the roundtable “R&D for the realization and implementation of Precision Medicine in National Health Systems” at the “Meet in Italy for Life Sciences 2021” Vii Edition, Genova, Italy

22 June 2021 Speaker at the “Ricerca al femminile - Female research” session of the Engagement Group/Women 20 CNR, virtual meeting

4 June 2021 Round Table on “Research and Health: a single and interdependent system” at the virtual conference “Right to Scientific Research" organized by the Italian Association for Multiple Sclerosis

15 January 2020 Invited Speaker at the round table of the workshop “Amministrazione e ricerca scientifica” organized by the Italian National School for the public administration, Rome, Italy

19-21 June 2019 Speaker at the session “Towards a European approach for deep-tech innovation” of the “Innovative Enterprise Week” event of the Romanian Presidency of the Council of the European Union, Bucharest, Romania

29 May 2019 Information meeting on Marie Skłodowska Curie applications in Horizon 2020” CNR- Research Area Milano, Italy

25 March 2019 Moderator at the public debate “The Role of Marie Skłodowska-Curie Actions (MSCA) in EU’s Research and Innovation Framework Programme: Horizon Europe" University of Padua, Italy

4-6 December 2018 Invited Speaker at the Panel discussion "The FET programme and its Flagships as game changers", ICT2018: Imagine Digital-Connect Europe, Vienna, Austria

18 May 2018 II Meeting "La Ricerca Biotech per la competitività delle imprese – Focus su Ecosistema Salute, Smart Food, Innovazione & Ricerca", BioTTasa Project, Padova, Italy

13 March 2018 Meeting HBP-Italy “Human Brain Project: the endeavour of neuroscience”, University of Pavia, Italy.

7 March 2018 Workshop "European Leadership through Disruptive Technologies: Future and Emerging Technologies towards 2030", European Parliament- Brussels, Belgium

20 November 2017 Launch Day of the ‘Future and Emerging Technologies -FET- 2018-2020 Work Program, Funding opportunities in Horizon 2020 University of Tor Vergata, Rome, Italy

10 November 2017 Celebration Day for the 150th Anniversary of the Birth of Marie Skłodowska-Curie; MIUR, Rome, Italy

6 November 2017 High-level event on "FET-Flagships: Partnering for excellence" hosted by the The European Commission, in cooperation with the Estonian Presidency, Brussels, Belgium

24 April 2017 EMBO Indian-CRG meeting; at CRG, the Centre for Genomic Regulation, Barcelona, Spain

6 April 2017 "La comunità scientifica italiana e l’ERC" within the "ERC week@ Federico II: Southern Italy for Europe".

30 March 2017 "Alisei - Council of European Bioregions Annual Meeting", Siena, Italy

30 January 2017	Celebration Day for the 20 years of the 'Marie Skłodowska-Curie Actions', University "La Sapienza", Rome, Italy.
15 December 2016	"High-Level Round Table discussion" on "Future FET Flagships" by invitation of the European Commissioner G.H. Oettinger, Brussels, Belgium.

Qualifications

2012	Qualified for the position of Director of the Department of Biomedical Sciences of the Italian National Research Council (CNR)
2014	Qualified for the position of Full Professor in Biology (BIO-13) by the Italian Ministry of Education, Universities and Research (MIUR).
2017	Qualified for the position of Director of the Department of Biomedical Sciences of the Italian National Research Council (CNR).

Honours and awards

1979-1983	Feinberg Graduate School Fellowship, the Weizmann Institute of Science, Rehovot, Israel
1983-1986	Fogarty Fellowship, The National Institutes of Health, Bethesda, USA
1997-2000	Member of the Council of the Italian Society of Cell Biology and Differentiation (ABCD)
Since 2000	Permanent Member of the European Molecular Biology Organization (EMBO)
2000-2003	Corresponding member of the WICB (Women in Cell Biology Committee) of the American Society for Cell Biology
2000	Founding member (and Chair until 2005) of the Career Development Committee (CDC) of the European Life Scientist Organization (ELSO)
2000-2009	Member of the Council and of the Executive Board of the European Life Scientist Organization (ELSO)
2004-2007	Member of the External Advisory Group for the Human Resources and Mobility Programme, Framework Programme 6, European Commission
2004-2007	Member of the Advanced Courses Committee of the Federation of the European Biochemical Societies (FEBS)
2004-2008	Member of the Interregional Scientific Committee of the Italian Association for Cancer Research (AIRC)
2007-2008	Member of the External Advisory Group for the People Programme, Framework Programme 7, European Commission
2007-2008	Member of the Expert group "Realising a single labour market for researchers" (ERA), Framework Programme 7, European Commission
2007-2012	Member of the FEBS/EMBO award selection committee for the "Women in Science" Award
October 2008	EMBO-Lecture at the XVI National Congress of Biochemistry, University of the Azores, Portugal
2008-2010	Chair of the Working Group "Young Scientists' Forum" of the Federation of the European Biochemical Societies (FEBS)
2008-2010	Member of the Executive Committee of the Federation of the European Biochemical Societies (FEBS)
2009 To Date	FP7 GenSET project – member of the Science Leaders Panel
2010	AIDDA (Association of Managers and Business Women) prize for Women in Science
2011-2014	Member of the Fellowship Scientific Committee of the Italian Association for Cancer Research (AIRC)
2013-2020	Italian Delegate for Horizon 2020 (ERC, Marie Slodowska-Curie Actions, Future and Emerging Technologies (FET)) and for the National Representative Board (NRB) of FLAG ERA
2014	Member of the Academia Europaea, UK
2014 - 2016	Delegate of the Italian National Research Council for the Italy's Life Science Cluster "Alisei"
2014 - 2019	Member of the Advisory Board of the Italian Association for Cancer Research (AIRC)
Since 2014	Co-chair of the FET Flagships Board of Funders (BoF), H2020
2016	Member of the Working Group for the bilateral research program Italy-Slovenia
Nov 2016	Participant at the "High-Level Round Table discussion" on "Future FET Flagships" by invitation of the European Commissioner G.H. Oettinger
2016	Member of the Selection Committee for the "FIRC Guido Venosta" 2016 award
2016 - 2022	Elected Member of the Steering Committee of the Italy's Life Science Cluster "Alisei"
2017	Keynote lecture al "Third Annual Lipids@Wayne Symposium", Wayne State University, Detroit, USA
2017	EMBO Keynote Lecture at the "Bioactive Lipids in Cancer, Inflammation and Related Diseases: 15th International Conference", Puerto Vallarta, Mexico
2018	Member of the Scientific Committee of the "Chiara D'Onofrio" Foundation
2018-2021	Member of the Board of Trustees of the Foundation Biology for Medicine (BioForME)
2019	Member of the Scientific Committee of the project "SISCODE co-DEsign for Society in Innovation and Science", H2020

2021	9th Arturo Falaschi lecture on “PARP12-dependent mono-ADP-ribosylation controls specific membrane transport routes”, Institute of Molecular Genetics, Pavia
2021	EMBO Keynote Lecture at the the LVII Conference of the “Argentine Society for Research in Biochemistry and Molecular Biology” (SAIB)
2021	Invited Main Lecture at the BioForo Meeting of the University of the Basque Country on “Biological Membranes”, Bilbao (Spain)
Since May 2021	In charge by the CNR for the development of a strategic plan aiming at the coordination of the European Research Infrastructure in Life Sciences of the ESFRI map and of the National Infrastructures (CENCO: the National Coordination Center for Research Infrastructures in the Life Sciences sector)
Since October 2021	Member of the Science Advisory Committee (SAC) of the Research Infrastructure (RI) ISIS@MACH ITALIA
Since February 2022	Member of the Steering Committee and of the Stakeholder Board for the government of EBRAINS, the European Research Infrastructure created by the EU Human Brain Project

Memberships

Permanent, elected member of the European Molecular Biology Organization (EMBO)
Elected Member of the *Academia Europeae*
American Association for Cancer Research (AACR)
American Society of Cell Biology (ASCB)
Italian Association of Cell Biology and Development (ABCD)
European Life Scientists Organization (ELSO)
European Thyroid Association (ETA)
Federation of the European Biochemical Societies (FEBS)
Italian Society of Biochemistry (SIB)
The Italian Society of Biophysics and Molecular Biology (SIBBM).

Organisational/managerial skills

Panels & evaluation committees

2002	Member of the Expert Panel ‘Baseline Assessment of the Public Research System in Ireland in the areas of Information & Communication Technologies and Biotechnology’, Ireland
2003-2016	Member of the evaluation panel of the Research Councils for Biosciences and Environment (RCBE) and Health (RCH), Academy of Finland, Helsinki, Finland
2004 To Date	Registered referee for the Italian Ministry of Education, University and Research (Albo Revisori, MIUR)
2005 To Date	Registered referee for Italian Universities
2008-2014	Member of the European Research Council (ERC) Evaluation Panel, Framework Programme 7, European Commission, Brussels
2009	Member of the Research Quality Review Panel, University College Cork, Cork, Ireland
2009	Chair of the Biological Sciences Evaluation Panel for the Portuguese Foundation for Science and Technology (FCT), Lisbon, Portugal
2010	Member of the Selection Committee for three permanent researcher positions (call n. 11/2009) at the Marine Station "Anton Dohrn", Naples, Italy
2009-2017	Member of the External Advisory Board of the Centro de Investigaciones Biológicas (CIB), Madrid, Spain.
2011-2014	Member of the Steering Committee of the BIO-IMAGINE Project, FP7-REGPOT-2010-1, Nencki Institute of Experimental Biology, Warsaw, Poland
2015	Chair of the External Evaluation Committee for the competition “Strategic proposals 2014” of the Campus Bio-Medico University, Rome
2015	Member of the Evaluation panel for the establishment of a distributed infrastructure for the "Advanced microscopy in the life sciences" in Sweden, Stockholm.
2015 To Date	CNR Representative in the Programme Committee for collaborative activities between CNR and the Luigi Vanvitelli University of Campania, Italy
2016	Member of the Selection Committee for the "FIRC Guido Venosta" 2016 award
2018	Appointed Reviewer for the research programmes of the IRCCS – National Cancer Institute "Regina Elena”, Rome, Italy
2018	Chair of the External Evaluation Committee for the "University Strategic projects 2019" call of the Campus Bio-Medico University Hospital, Rome, Italy
2018	Member of the Selection Committee for a permanent researcher position (call n. 366.57 – Cellular and Molecular Biomedicine Strategic Area) at the National Research Council, Rome; Italy
2019	Member of the Selection Committee for a permanent researcher position (call n. 32/2018) at the Marine Station "Anton Dohrn", Naples, Italy
2021	Member of the Expert Group of the G6 COVID-19 Task Force, representing the G6 presidents (CNR, CNRS, CSIC, the Helmholtz Association, the Leibniz Association and the Max Planck Society)
2021	Expert, thematic group on “Comprehensive Cancer Infrastructures/ Centres” of the sub-group on Cancer, nominated by the Italian Ministry of University and Research - Mission on Cancer, Horizon Europe

From Nov 2022 Member of the Scientific Council of the HiLIFE Helsinki Institute of Life Science, University of Helsinki, Finland

Ad hoc-referee for national and international funding agencies and academies, among others:
The French National Cancer Institute (INCa), the European Commission, the Wellcome Trust, the American National Science Foundation, the Academy of Finland, the Israeli Science Foundation, the Dutch Cancer campaign, the European Research Council, the Italian Association for Cancer Research, the MIUR (Italian Ministry of Education, University and Research), the CIVR (MIUR Committee for the Assessment of Research Programmes), MISE (Italian Ministry of Economic Development), the Netherlands Organization for Health Research and Development, the Swiss Cancer League, the Federation of the European Biochemical Societies, the European Molecular Biology Organization.

Ad hoc-referee for international scientific journals including, among others:
Nature Comm., the EMBO J., Proc. Natl. Acad. Sci. USA, EMBO Reports, J. Biol. Chem., Biochem. J., J. Neurochem., FEBS J., BBA, BBA-MCR, Trends Biochem. Sci., Cell Immunol., Cells, FEBS Letters, Nat. Sci. Rep., CMLS

EuropeJob-related skills

Editorial assignments

Since 2021	Editorial Board of Cells
Since 2018	Editorial Board of Nature Scientific Reports
Since 2015	Editorial Board of Cellular Signalling
2008-2020	Advisory Editorial Board of EMBO Journal
2008-2016	Advisory Editorial Board of EMBO Reports
2007-2010	Editorial Board, PathoGenetics
1994-2000	Editorial Board, Oncology reports

Patents

2000	International patent WO2000IT00447/EP1332149. “Glycerophosphoinositol derivatives as modulators of cytosolic phospholipase A2”.
2003	Italian patent on: “Glicerofosfoinositoli, loro derivati e composizioni contenenti gli stessi nella terapia antineoplastica”.
2007	European patent No 07123370.4. “Method for the isolation and identification of ADP-ribosylated molecules”.
2012	International patent WO2014/053642 A1 PTC/EP2013/070728 ITRM2012A000473 “Use of glycerophosphoinositols for the treatment of septic shock”
2013	Patent Application PCT/EP2014/060143 ITRM2013A000295 "Method to identify compounds able to bind to the Rossmann fold of C-terminal-binding proteins, identified compounds and medical uses thereof" CNR 10271
2016	USA Patent No US9351983 B2 “Use of glycerophosphoinositols for the treatment of septic shock”
2018	EP 13 773 253.3 “Use of glycerophosphoinositols for the treatment of septic shock”

Driving Licence

Italian Driving licence category B

ADDITIONAL INFORMATION

Presentations

International Course and Conference Organization

Since 1990	Member of the Organizing/Scientific Committees of several national and international congresses and symposia including, among others, the ELSO, FEBS, EMBO, NATO and IUBMB congresses.
1997-2023	Main organizer of 18 FEBS and EMBO Advanced Courses on lipid signalling and/or membrane traffic and ADP-ribosylation.

Examples from recent years:

4-8 June 2023	FEBS Advanced Lecture Course on “PARP2023”, Island of Hvar, Croatia.
8-13 October 2021	FEBS Advanced Course on “ADP-ribosylation and cellular Stress”, Castellammare di Stabia, Naples, Italy
18-21 May 2021	FEBS Advanced Course on “PARP21”, Barcelona, Spain
20-23 May 2019	International Conference on "PARP2019", Budapest, Hungary

15-19 October 2018	FEBS Special meeting: "The 2018 Golgi Meeting. Membrane trafficking in cell organization and homeostasis" Sorrento, Naples, (Italy)
17-19 May 2017	International Conference on "PARP2017", Budapest (Hungary)
21-25 July 2016	The 12th International Congress of Cell Biology (ICCB), Minisymposium on "Mechanisms of intracellular trafficking", Prague, Czech Republic.
2-6 June 2014	EMBO Workshop on "Cellular imaging of lipids" Vico Equense, Naples, Italy.

Selected Invited Lectures

Since 1986	Invited speaker at several national and international congresses. Among others, lectures were delivered at the following meetings:
26-30 June 2022	FASEB conference on “NAD+ Metabolism and Signaling” Steamboat Springs, CO, USA
15 December 2021	The BioForo Meeting on “The fascinating world of biological membranes” in honor of prof. Felix M. Goni, University of the Basque Country, Bilbao, Spain
15-16 June 2021	FASEB virtual conference on “NAD+ Metabolism and Signaling” FASEB, Rockville,MD, USA
1-5 November 2021	LVII Conference of the “Argentine Society for Research in Biochemistry and Molecular Biology” (SAIB), virtual conference, Argentina
9-11 December 2020	CSHL Virtual Conference on “The PARP Family & ADP-ribosylation” Cold Spring Harbor, NY, USA
23-28 June 2019	FASEB conference on “NAD+ Metabolism and Signaling” Dublin, Ireland
20-23 May 2019	PARP2019 Budapest, Hungary
31 Aug -7 Sept 2018	FEBS Advanced Course on “Lipids dynamics and membrane contact sites” Island of Spetses, Greece
2-3 July 2018	IACC Inaguration Symposium “Cellular coenzymes in health and disease”, University College London, U.K.
25-27 June 2018	“GNB 2018 - VI National Congress of Bioengineering” Milano, Italy
10-15 June 2018	Invited Speaker at the Summer School on "Smart Nanomaterials for Drug Delivery", Anacapri, Italy
22-25 October 2017	"Bioactive Lipids in Cancer, Inflammation and Related Diseases: 15th International Conference", Puerto Vallarta, Mexico
17-19 May 2017	International Conference "PARP2017", Budapest, Hungary
10-13 September 2016	Special Interest Symposium on "ADP-ribosylation in signalling events" at the 7th EMBO meeting, Mannheim, Germany
11 May 2016	"Third Annual Lipids@Wayne Symposium", Wayne State University, Detroit, USA
4 February 2016	Nanyang Technological University, School of Biological Sciences meeting, Singapore

Projects — As an example, a number of international networking and consortiums are listed below:

2022	Scientific Coordinator of the proposal (within the PNRR calls for “Strengthening and creation of Research Infrastructures”) “Coordination of EU RIs in Life Sciences” (CoRIs-LS) (*under evaluation*)
since 2021	Coordinator of the project "SerGenCOVID-19 (Serum Genetic Covid-19) Serological and genetic investigation of immunity and susceptibility to SARS-CoV-2 infection and creation of a biobank”, on behalf of the Department of Biomedical Sciences, CNR
since 2020	Member of the Scientific Committee of the S.C.A.R.L. "Campania Imaging Infrastructure for Research in Oncology (CIRO)”
since 2018	Project Coordinator of the Regional Program "Campania Imaging Infrastructure for Research in Oncology (CIRO)”
2008	Member of EUROMEMBRANES (a Eurocore programme, funded by ESF)
2008-2012	National coordinator of the European Commission network “LipidomicNet” of the 7FP-HEALTH 2007 2.1.1-6 Grant agreement no.: 202272 LIPIDOMICNET
2006-2009	Member of the Board of Trustees of the Consortium CIPE (Consortium for technological research and innovation) funded by the MIUR (Italian Ministry of Education, University and Research)
2005-2008	Coordinator of the European Commission project “The Human Factor-Mobility & Marie Curie Actions” MEXT-CT-2003-002573 of the 6FP
2002-2007	Member of the Board of Directors of the Consortium COMBIGEN funded by the MIUR
2002-2006	Coordinator of the MIUR project FIRB - Grant number RBNE01X3NB
2000-2008	Member of the Board of Trustees of the Consortium “Citochine - CO.CIT.” funded by the MIUR
2000-2006	Member of the Board of Trustees of the Consortium CSRB (Consortium for the Development of Biomedical Research)

Examples of recent Funding

2019-2022	MIUR - PRIN call 2017: "Integration of cutting-edge spectroscopic and imaging techniques for the structural analysis of living-cell machineries from the atomic to the cellular level”.
2014-2019	Individual Grant AIRC IG - 18776-2016; "The CtBP/BARS involvement in tumor progression: a specific target for pharmacological intervention”.
2018-2020	PRONAT II 2018-2019 project: “Identification of bioactive products of natural origin”.

2018-2022	Regional project (POR) SATIN; "Sviluppo di Approcci Terapeutici INnovativi per patologie neoplastiche resistenti ai trattamenti
2018-2022	Regional project (POR) CIRO: "Campania Imaging Infrastructure for Research in Oncology", Coordinator.
2011-2019	Medintech Project-Cluster for the Life Sciences Alisei: "Technologies to increase the safety and efficacy of drugs and vaccines".

Publications

total number of citations
Scopus: 6060
Google Scholar: 8432

H index
Scopus: 43
Google Scholar: 50
i10-index (Scholar):124

10 selected Publications (IF totale 2020/21 109,494; IF/paper 10,949)

1. Valente C., Turacchio G., Mariggiò S., Pagliuso A., Gaibisso R., Di Tullio G., Santoro G., Formiggini F., Spanò S., Piccini D., Polishchuk R.S., Colanzi A., Luini A. and Corda D. A 14-3-3γ-dimer-based scaffold assembles a dynamic protein complex required for post-Golgi-carrier formation. ***Nat. Cell Biol.*** 14: 343-354 (2012) *IF 28.824*
2. Zizza P., Iurisci C., Bonazzi M., Cossart P., Leslie C.C., Corda D.* and Mariggiò S. Phospholipase A_2 IV α regulates phagocytosis independent of its enzymatic activity. ***J. Biol. Chem.*** 287: 16849-16859 (2012) *Corresponding author *IF 5.157*
3. Colanzi A., Grimaldi G., Catara G., Valente C., Cericola C., Liberali P., Ronci M., Lalioti V., Bruno A., Beccari A., Urbani A., De Flora A., Nardini M., Bolognesi M., Luini A. and Corda D. Molecular mechanism and functional role of brefeldin-A-mediated ADP-ribosylation of CtBP1/BARS ***Proc. Natl. Acad. Sci. U. S. A.*** 110: 9794-9799 (2013) *IF 11.205*
4. Pagliuso A., Valente C., Giordano L.L., Turacchio G., Circolo D., Corda D.* and Luini A. Fission of post-Golgi carriers requires the BARS-mediated regulation of LPAAT4 activity. ***Nature Comm.*** 7: 12148-12162 (2016) *Corresponding author *IF 14.919*
5. Barretta M.L., Spano D., D'Ambrosio C., Cervigni R.I., Scaloni A., Corda D. and Colanzi A. Aurora-A recruitment and centrosomal maturation are regulated by a Golgi-activated pool of Src during G2/M transition. ***Nature Comm.*** 7: 11727-11740 (2016) *IF 14.919*
6. Vessichelli M., Mariggiò S., Varone A., Zizza P., Di Santo A.M., Amore C., Dell'Elba G., Cutignano A., Fontana A., Cacciapuoti C., Di Costanzo G., Zannini M., de Cristofaro T., Evangelista V. and Corda D. The natural phosphoinositide derivative glycerophosphoinositol inhibits the lipopolysaccharide-induced inflammatory and thrombotic responses. ***J. Biol. Chem.*** 292: 12828-12841 (2017) *IF 5.157*
7. Varone A., Mariggiò S., Patheja M., Maione V., Varriale A., Vessichelli M., Spano D., Formiggini F., Lo Monte M., Brancati N., Frucci M., Del Vecchio P., D'Auria S., Flagiello A., Iannuzzi C., Luini A., Pucci P., Banci L., Valente C. and Corda D. A signalling cascade involving receptor-activated phospholipase A2, glycerophosphoinositol 4-phosphate, Shp1 and Src in the activation of cell motility. ***Cell Commun. Signal***. 17: 1-21 doi: 10.1186/s12964-019-0329-3 (2019) *IF 5.712*
8. Zhukovsky M.A., Filograna A., Luini A., *Corda D. and Valente C. Protein-amphipathic-helix insertion: a mechanism to induce membrane fission. ***Front. Cell Dev. Biol.*** *7: 291. doi: 10.3389/fcell.2019.00291. eCollection* (2019) *Corresponding author *IF 6.684*
9. Varone A., Amoruso C., Patheja M., Greco A., Auletta L., Zannetti A. and Corda D. The phosphatase Shp1 interacts with and dephosphorylates cortactin to inhibit invadopodia function. ***Cell Commun. Signal.*** 19(1):64. doi: 10.1186/s12964-021-00747-6. PMID: 34088320 (2021) *IF 5.712*
10. Grimaldi G., Filograna A., Schembri L., Lo Monte M., Di Martino R., Pirozzi M., Spano D., Di Martino R., Spano D., Beccari A.R., Parashuraman S., Luini A., Valente C. and Corda D. PKD-dependent PARP12-catalyzed mono-ADP-ribosylation of Golgin-97 is required for E-cadherin transport from Golgi to plasma membrane. ***Proc. Natl. Acad. Sci. USA****,* 119(1): e2026494119. doi: 10.1073/pnas.2026494119. PMID: 34969853 (2022) *IF 11.205*

Books and special issues

1. Cittadini A., Baserga R., Pinedo H.M., Galeotti T., Corda D., editors "Molecular Oncology and Clinical Applications" "Molecular and Cell Biology Updates" Series, (1993) Birkhaüser Verlag, Basel
2. Corda D., Hamm H., Luini A., editors In: Challenges of Modern Medicine, Vol. 6, "GTPase-controlled molecular machines" Ares Serono Symposia Publications, (1994) Rome, Italy
3. De Matteis M.A., Corda D. and Luini A., editors, The Golgi complex. FEBS Lett. 583 (23) (2009)
4. Corda D. and De Matteis M.A. editors, Minireviews series, "Lipid Signalling in health and disease". FEBS J. 280 (24), 6280-6372 (2013).
5. De Matteis M.A., Corda D. and Luini A. editors, The Golgi complex: 120 years and it doesn't show. FEBS Lett. 593:2277-2279 (2019)
6. Corda D. and Valente C., editors, "Interorganelle Signalling and the Golgi Complex". A special issue of Cells (ISSN 2073-4409) (2021)

Primary papers

1. Pasternak C., **Corda D.,** Stieve H. and Shinitzky M. Rotational diffusion of rhodopsin in membrane as determined by steady-state polarized photochromism. *Ann. N.Y. Acad. Sci.* 366: 265-273 (1981)

2. **Corda D.,** Pasternak C. and Shinitzky M. Increase in lipid microviscosity of unilamellar vesicles upon the creation of transmembrane potential. *J. Membr. Biol.* 65: 235-242 (1982)
3. **Corda D.** and Shinitzky M. Dynamic organization of rhodopsin in the squid photosensitive membrane: Modulation by external and internal fluidity. In: *Biological Structure and Coupled Flows*. Oplatka A. and Balaban M. (eds), Academic Press, New York, and Balaban, ISS, 353-357 (1983)
4. **Corda D.** and Shinitzky M. Lipid fluidity of the outer segment membranes from cephalopod retina. *Exp. Eye Res.* 40: 575-583 (1985)
5. Kohn L.D., Aloj S.M., Tombaccini D., Rotella C.M., Toccafondi R., Marcocci C., **Corda D**. and Grollman E.F. The thyrotropin receptor. In: *Biochemical Actions of hormones*. Litwack G. (ed.), Academic Press, New York 12: 457-512 (1985)
6. **Corda D.**, Marcocci C., Kohn L.D., Axelrod J. and Luini A. Association of the changes in cytosolic Ca^{2+} and iodide efflux induced by thyrotropin and by the stimulation of α1 adrenergic receptors in cultured rat thyroid cells. *J. Biol. Chem.* 260: 9230-9236 (1985)
7. **Corda D.** and Kohn L.D. Thyrotropin upregulates α1 adrenergic receptors in rat FRTL-5 thyroid cells. *Proc. Natl. Acad. Sci. USA* 82: 8677-8680 (1985)
8. Luini A., **Corda D.** and Axelrod J. Secretagogues elevate cytosolic calcium by stimulating cAMP formation in a corticotropin secreting cell line. *Regulatory Peptides* 4: 49-52 (1985)
9. Luini A., Lewis D., Guild S., **Corda D.** and Axelrod J. Hormone secretagogues elevate cytosolic calcium by increasing cAMP in corticotropin secreting cells. *Proc. Natl. Acad. Sci. USA* 82: 8034-8038 (1985)
10. Kohn L.D., Alvarez F., Marcocci C., Kohn A.D., **Corda D.**, Hoffman W.E., Tombaccini D., Valente W.A., De Luca M., Santisteban P. and Grollman E.F. Monoclonal antibody studies defining the origin and properties of autoantibodies in Graves' disease. *Ann. NY Acad. Sci.* 475: 157-173 (1986)
11. Burch R.M., Luini A., Mais D.A., **Corda D.**, Vanderhoek J.Y., Kohn L.D. and Axelrod J. α1-adrenergic stimulation of arachidonic acid release and metabolism in a rat thyroid cell line. Mediation of cell replication by prostaglandin E2. *J. Biol. Chem.* 261: 11236-11241 (1986)
12. Kohn L.D., Valente W.A., Cheng A., Tombaccini D., Chan J., **Corda D.,** Kohn A., Rotella C., Marcocci C., Santisteban P., De Luca M., Bone E. and Grollman E.F. Monoclonal antibodies to the thyrotropin (TSH) receptor in the study of Graves' disease. In: *Monoclonal Antibodies: Basic Principles, Experimental and Clinical Applications in Endocrinology*. Vol. 30, G. Forti, M. Serio and M.B. Lipsett, (eds). Raven Press, New York, 231-244 (1986)
13. Santisteban P., De Luca M., **Corda D.**, Grollman E.F. and Kohn L.D. Regulation of thyroglobulin (TG) iodination and thyroid hormone formation in FRTL-5 cells. In: *Frontiers in Thyroidology*. Vol. 2, G. Medeiros-Neto and E. Gaitan (eds.) Plenum Press, New York, 837-840 (1986)
14. Slifkin M.A., Bakarudin I., **Corda D.** and Caplan S.R. Chemical relaxation in dark- and light- adapted bacteriorhodopsin subjected to irradiation with modulated heat. *Biochim. Biophys. Acta* 883: 169-171 (1986)
15. Kohn L.D., Chan J.Y.C., Alvarez F., **Corda D.,** Hoffman W.E., Kohn A., Rotella C.M., Isozaki O., Santisteban P., De Luca M. and Grollman E.F. Monoclonal antibodies to the thyrotropin (TSH) receptor in the study of Graves' disease: idiotypes and antiidiotypes. *Clinical Immunology Newsletter* 7: 182-185 (1986)
16. **Corda D.** and Kohn L.D. Role of pertussis toxin sensitive G proteins in the a1 adrenergic receptor but not in the thyrotropin receptor mediated activation of membrane phospholipases and iodide fluxes in FRTL-5 thyroid cells. *Biochem. Biophys. Res. Commun.* 141: 1000-1006 (1986)
17. Kohn L.D., Bone E., Chan J., **Corda D**., Isozaki O., Luini A., Marcocci C., Santisteban P. and Grollman E.F. Interactions of peptinergic hormone and biogenic amine signals in the regulation of thyroid function and growth. In:*Transduction of Neuronal Signals. Foundation for the Study of the Nervous System*. Magistretti P.J., Morrison J.H. and Reisine T.D. (eds.), Geneva, 141-148 (1986)
18. **Corda D.** and Kohn L.D. Phorbol myristate acetate inhibits α1-adrenergic regulated functions in FRTL-5 rat thyroid cells. *Endocrinology* 120: 1152-1160 (1987)
19. Grollman E.F., Bone E., Chan J., **Corda D.**, Isozaki O., Marcocci C., Santisteban P. and Kohn L.D. TSH and biogenic amine signals in the regulation of thyroid function: independent regulation by protein kinase C and G proteins. *Acta Endocrinol.* 281: 199-202 (1987)
20. **Corda D**., Sekura R.D. and Kohn L.D. Thyrotropin effect on the availability of Ni regulatory protein in FRTL-5 rat thyroid cells to ADP ribosylation by pertussis toxin. *Eur. J. Biochem.* 166: 475-481 (1987)
21. Colletta G., **Corda D.**, Schettini G., Kohn L.D., Cirafici A. and Consiglio E. Adenylate cyclase activity of v-ras-k transformed rat epithelial thyroid cells. *FEBS Lett.* 228: 37-41 (1988)
22. **Corda D.**, Iacovelli L. and Di Girolamo M. Coupling of the α1-adrenergic and thyrotropin receptors to second messenger systems in thyroid cells. Role of G proteins. In: *Horizons in Endocrinology*. M. Maggi e C.A. Johnston (eds.), Raven Press, New York, 169-180 (1988)
23. **Corda D.**, Di Girolamo M. and Bizzarri C. Variety of signal transduction pathways in FRTL5 thyroid cells. In: *FRTL5 Today*. F.S. Ambesi-Impiombato and H. Perrild (eds) Elsevier, Amsterdam 95-98 (1989)
24. Di Girolamo M., Bizzarri C. and **Corda D.** A muscarinic receptors is coupled to phospholipase A2 in FRTL5 thyroid cells. In: *FRTL5 Today*. F.S. Ambesi-Impiombato and H. Perrild (eds) Elsevier, Amsterdam 195-196 (1989)
25. Bizzarri C., Di Girolamo M. and **Corda D.** Muscarinic inhibition of the norepinephrine induced increase in cytosolic calcium in FRTL5 thyroid cells. In: *FRTL5 Today*. F.S. Ambesi-Impiombato and H. Perrild (eds) Elsevier, Amsterdam 193-194 (1989)
26. Mannironi C., Erba E., **Corda D.**, Gianellini L. and D'Incalci M. Changes in the synthesis of histones H1° and H1 in rat FRTL-5 thyroid cells exposed to thyrotropin. *Life Sci.* 45: 2209-2216 (1989)
27. **Corda D.**, Bizzarri C., Di Girolamo M., Valitutti S. and Luini A. G protein-linked receptors in the thyroid. *Adv. Exp. Med. Biol.* 261: 245-269 (1989)
28. Bizzarri C., Di Girolamo M., D'Orazio C. and **Corda D.** Evidence that a guanine nucleotide binding protein linked to a muscarinic receptor inhibits directly phospholipase C. *Proc. Natl. Acad. Sci. USA* 87: 4889-4893 (1990)

29. **Corda D.**, Luini A. and Garattini S. Selectivity of action can be achieved with compounds acting at second messenger targets. *Trends Pharmacol. Sci.* 11: 471-473 (1990)
30. Valitutti S., Cucchi P., Colletta G., Di Filippo C. and **Corda D.** Transformation by the K-ras oncogene correlates with increases in phospholipase A_2 activity, glycerophosphoinositol production and phosphoinositide synthesis in thyroid cells. *Cell. Signal.* 3: 321-332 (1991)
31. Di Girolamo M., D'Arcangelo D., Bizzarri C. and **Corda D.** Muscarinic regulation of phospholipase A_2 and iodide fluxes in FRTL5 thyroid cells. *Acta Endocrinol.* 125: 192-200 (1991)
32. **Corda D.** Valitutti S., Iacovelli L. and Di Girolamo M. Increase in phospholipase A_2 activity and in the ADP ribosylation of G proteins in K-ras-transformed thyroid cells. In: *The Super-family of ras Related Genes*. Spandidos D.A. (ed) Plenum Press, New York, pp. 137-143 (1991)
33. Di Cerbo A., Di Girolamo M., Guardabasso V., De Filippis V. and **Corda D.** Immunoglobulins from Graves' disease stimulate phospholipase A_2 in FRTL5 thyroid cells. *J. Clin. Endocrinol. Metab.* 74: 585-592 (1992)
34. Di Girolamo M., D'Arcangelo D., Cacciamani T., Gierschik P. and **Corda D.** K-ras-transformation greatly increases the toxin-dependent ADP-ribosylation of GTP binding proteins in thyroid cells. Involvement of an inhibitor of the ADP-ribosylation reaction. *J. Biol. Chem.* 267: 17397-17403 (1992)
35. **Corda D.** Hormonal regulation of phospholipid metabolism via G-proteins II: PLA2 and inhibitory regulation of PLC. In: *Handbook of Experimental Pharmacology* Vol. 108/II: GTPases in Biology. Dickey B. and Birnbaumer L. (eds) Springer-Verlag, Heidelberg, 387-400 (1993)
36. Di Girolamo M., Cacciamani T., Pallas M. and **Corda D.** Activities involved in the modulation of the G protein endogenous ADP-ribosylation in normal and K-ras-transformed thyroid cells. In: *Molecular Oncology and Clinical Applications*. Cittadini A., Baserga R., Pinedo H., Galeotti T., Corda D. (eds.) MCBU by Birkhauser Verlag, Basel, 173-180 (1993)
37. Falasca M. and **Corda D.** Accumulation and mitogenic activity of lysophosphatidylinositol in k-ras-transformed thyroid cells. In: *Molecular Oncology and Clinical Applications*. Cittadini A., Baserga R., Pinedo H., Galeotti T., Corda D. (eds.) MCBU by Birkhauser Verlag, Basel, 165-171 (1993)
38. Iacovelli L., Falasca M., Valitutti S., D'Arcangelo D. and **Corda D.** Glycerophosphoinositol-4-phosphate: a putative endogenous inhibitor of adenylyl cyclase. *J. Biol. Chem.* 268: 20402-20407 (1993)
39. De Matteis M.A., Di Girolamo M., Colanzi A., Pallas M., Di Tullio G., McDonald L.J., Moss J., Santini G., Bannykh S., **Corda D.** and Luini A. Stimulation of endogenous ADP-ribosylation by brefeldin A. *Proc. Natl. Acad. Sci. USA* 91: 1114-1118 (1994)
40. Bizzarri C. and **Corda D.** Norephinephrine, unlike ATP, induces all or none increases in cytosolic calcium in thyroid cells. Role of IP3-sensitive stores and calcium channels. *Eur. J. Biochem.* 219: 837-844 (1994)
41. Falasca M. and **Corda D.** Elevated levels and mitogenic activity of lysophosphatidylinositol in K-ras-transformed epithelial cells. *Eur. J. Biochem.* 221: 383-389 (1994)
42. **Corda D.**, Falasca M., Iacovelli L., Carvelli A., D'Arcangelo D. and Ramakrishna V. Novel cellular activities of phosphoinositide metabolites originated by the action of phospholipase A2. In: *Challenges of Modern Medicine*, Vol. 6, "GTPase-controlled molecular machines". Corda D., Hamm H. and Luini A. (eds). Ares Serono Symposia Publications, Rome, 79-91 (1994)
43. Colanzi A., Di Girolamo M., Santini G., Sciulli G., Santarone S., Pallas M., Di Tullio G., Bannykh S., **Corda D.**, De Matteis M.A. and Luini A. Brefeldin A, an inhibitor of vesicular traffic, stimulates the ADP-ribosylation of two cytosolic proteins. In: *Challenges of Modern Medicine*, Vol. 6, "GTPase-controlled molecular machines". Corda D., Hamm H. and Luini A. (eds). Ares Serono Symposia Publications, Rome, 6: 197-217 (1994)
44. **Corda D.**, Falasca M., Di Girolamo M. and Cacciamani T. Phospholipases in signal transduction. *In: Biomembranes*. Shinitzky M. (ed.) Balaban & VCH Publishers Weinheim 3: 283-317 (1995)
45. D'Arcangelo D., Silletta M.G., Di Francesco A.L., Bonfitto N., Di Cerbo A., Falasca M. and **Corda D.** Physiological concentrations of thyrotropin increase cytosolic calcium levels in primary cultures of human thyroid cells. *J. Clin. Endocrinol. Metab.* 80: 1136-1143 (1995)
46. Falasca M., Silletta M.G., Carvelli A., Di Francesco A.L., Fusco A., Ramakrishna V. and **Corda D.** Signalling pathways involved in the mitogenic action of lysophosphatidylinositol. *Oncogene* 10: 2113-2124 (1995)
47. Di Girolamo M., Silletta M.G., De Matteis M.A., Braca A., Colanzi A., Pawlak D., Luini A. and **Corda D.** Evidence that the 50 kDa substrate of brefeldin A-dependent ADP-ribosylation binds GTP and is modulated by the G-protein bg subunit complex. *Proc. Natl. Acad. Sci. USA* 92: 7065-7069 (1995)
48. Di Cerbo A., Di Paola R., Bonati M., Zingrillo M., De Filippis V. and **Corda D.** Subgroups of Graves' patients identified on the basis of the biochemical activities of their immunoglobulins. *J. Clin. Endocrinol. Metab.* 80: 2785-2790 (1995)
49. **Corda D.** and Falasca M. Glycerophosphoinositols as potential markers of ras-induced transformation and novel second messengers. *Anticancer Res.* 16: 1341-1350 (1996)
50. Wolf F.I., Di Francesco A., Covacci V., **Corda D**. and Cittadini A. Regulation of intracellular magnesium in ascites cells: involvement of different regulatory pathways. *Arch. Biochem. Biophys.* 331: 194-200 (1996)
51. Falasca M., Marino M., Carvelli A., Iurisci C., Leoni S. and **Corda D**. Changes in the levels of glycerophosphoinositols during differentiation of hepatic and neuronal cells. *Eur. J. Biochem.* 241: 386-392 (1996)
52. Berrie C.P., Falasca M., Carvelli A., Iurisci C. and **Corda D**. Glycerophosphoinositol-4-phosphate in intracellular signalling. In: *Frontiers in Bioactive Lipids*. Vanderhoek J.Y. (ed.) Plenum Publishing Corporation, New York, 229-237 (1996)
53. Di Girolamo M. and **Corda D.** Mono-ADP-Ribosylation and cellular function. *Minerva Biotecnologica* 8: 216-218 (1996)
54. Di Paola R., Menzaghi C., De Filippis V., **Corda D**. and Di Cerbo A. Cyclooxygenase-dependent thyroid cell proliferation induced by Graves' immunoglobulins. *J. Clin. Endocrinol. Metab.* 82: 670-673 (1997)

55. Falasca M., Carvelli A., Iurisci C., Qiu R-G., Symons M.H. and **Corda D.** Fast receptor-induced formation of glycerophosphoinositol-4-phosphate, a putative novel intracellular messenger in the ras pathway. *Mol. Biol. Cell* 8: 443-453 (1997)
56. Weigert R., Colanzi A., Mironov A., Buccione R., Cericola C., Sciulli M.G., Santini G., Flati S., Fusella A., Donaldson J., Di Girolamo M., **Corda D.**, De Matteis M.A. and Luini A. Characterization and development of chemical inhibitors of the brefeldin A-induced mono-ADP-Ribosylation. *J. Biol. Chem.* 272: 14200-14207 (1997)
57. Di Girolamo M., Lupi R., Silletta M.G., Turacchio S., Iurisci C., Luini A. and **Corda D.** Modulatory role of GTP-binding proteins in the endogenous ADP-ribosylation of cytosolic proteins. *Adv. Exp. Med. Biol.* 419: 343-347 (1997)
58. Colanzi A., Mironov A., Weigert R., Limina C., Flati S., Cericola C., Di Tullio G., Di Girolamo M., **Corda D.**, De Matteis M.A. and Luini A. Brefeldin A-induced ADP-ribosylation in the structure and function of the Golgi complex. *Adv. Exp. Med. Biol.* 419: 331-335 (1997)
59. Silletta M.G., Di Girolamo M., Fiucci G., Weigert R., Mironov A., De Matteis M.A., Luini A. and **Corda D.** Possible role of BARS-50, a substrate of brefeldin A-dependent mono-ADP-ribosylation, in intracellular transport. *Adv. Exp. Med. Biol.* 419: 321-330 (1997)
60. Weigert R., Colanzi A., Limina C., Cericola C., Di Tullio G., Mironov A., Santini G., Sciulli G., **Corda D.**, De Matteis M.A. and Luini A. Characterization of the endogenous mono-ADP-ribosylation stimulated by brefeldin A. *Adv. Exp. Med. Biol.* 419: 337-342 (1997)
61. **Corda D.** and D'Incalci M. Cell Signalling and Cancer Treatment. *Ann. Oncol.* 8: 429-433 (1997)
62. Colonna R., Tatone C., Francione A., Rosati F., Callaini G., **Corda D.** and Di Francesco L. Protein Kinase C is Required for the Disappearance of MPF Upon Artificial Activation in Mouse Eggs. *Mol. Reprod. Dev.* 48: 292-299 (1997)
63. Mironov A., Colanzi A., Silletta M.G., Fiucci G., Flati S., Fusella A., Polishchuk R., Mironov A. Jr, Di Tullio G., Weigert R., Malhotra V., **Corda D.**, De Matteis M.A. and Luini A. Role of NAD^+ and ADP-ribosylation in the maintenance of the Golgi structure. *J. Cell Biol.* 139: 1109-1118 (1997)
64. Falasca M., Iurisci C., Carvelli A., Sacchetti A. and **Corda D.** Release of the mitogen lysophosphatidylinositol from H-Ras-transformed fibroblasts: a mechanism of autocrine control of cell proliferation. *Oncogene* 16: 2357-2365 (1998)
65. Ripani E., Sacchetti A., **Corda D.** and Alberti S. Human Trop-2 is a tumor-associated calcium signal transducer. *Int. J. Cancer* 76: 671-676 (1998)
66. Wolf F. I., Covacci V., Bruzzese N., Di Francesco A., Sacchetti A., **Corda D.** and Cittadini A. Differentiation of HL60 promyelocytic leukemia cells is accompanied by a modification of magnesium homeostasis. *J. Cell. Biochem.* 71: 441-448 (1998)
67. Spanò S., Silletta M. G., Colanzi A., Alberti S., Fiucci G., Valente C., Fusella A., Salmona M., Mironov A., Luini A. and **Corda D.** Molecular cloning and functional characterization of brefeldin A-ADP-ribosylated substrate. A novel protein involved in the maintenance of the Golgi structure. *J. Biol. Chem.* 274: 17705-17710 (1999)
68. Weigert R., Silletta M. G., Spanò S., Turacchio G., Cericola C., Colanzi A., Mancini R., Polishchuk E.V., Salmona M., Facchiano F., Burger K.N.J., Mironov A., Luini A. and **Corda D.** CtBP/Bars induces fission of Golgi membranes by acylating lysophosphatidic acid. *Nature* 402: 429-433 (1999)
69. Godi A., Pertile P., Meyers R., Marra P., Di Tullio G., Iurisci C., Luini A., **Corda D.** and De Matteis M. A. ARF mediates recruitment of PtdIns-4-OH Kinase-ß and stimulates synthesis of PtdIns (4,5)P_2 on the Golgi complex. *Nat. Cell Biol.* 1: 280-287 (1999)
70. Di Cerbo A., Di Paola R., Menzaghi C., De Filippis V., Tahara K., **Corda D.**, Kohn L. D. Graves'immunoglobulins activate phospholipase A2 by recognising specific epitopes on thyrotropin receptor. *J. Clin. Endocrinol. Metab.* 84: 3283-3292 (1999)
71. Di Cerbo A. and **Corda D.** Signaling pathways involved in thyroid hyperfunction and growth in Graves' disease. *Biochimie* 81: 415-424 (1999)
72. De Matteis M. A., Luna A., Di Tullio G., **Corda D.**, Kok J. W., Luini A., and Egea G. PDMP blocks the BFA-induced ADP-ribosylation of BARS-50 in isolated Golgi membranes. *FEBS Lett.* 459: 310-312 (1999)
73. Berrie C.P., Iurisci C., and **Corda D.**, Membrane transport and in vitro metabolism of the Ras cascade messenger, glycerophosphoinositol 4-phosphate. *Eur. J. Biochem.* 266: 413-419 (1999)
74. Snoek G.T., Berrie P. C., Geijtenbeek T.B.H., van der Helm H. A., Cadeé A., Iurisci C., **Corda D.** and Wirtz K.W.A. Overexpression of phosphatidylinositol transfer protein alpha in NIH3T3 cells activates a phospholipase A. *J. Biol. Chem.* 274: 35393-35399 (1999)
75. Silletta M.G., Colanzi A., Weigert R., Di Girolamo M., Santone I., Fiucci G., Mironov A., De Matteis M.A., Luini A. and **Corda D.** Role of the brefeldin A-dependent ADP-ribosylation in the control of intracellular membrane transport. *Mol. Cell. Biochem.* 193: 43-51 (1999)
76. Godi A., Santone I., Pertile P., Marra P., Di Tullio G., Luini A., **Corda D.** and De Matteis M. A. ADP-ribosylation factor regulates spectrin skeleton assembly on the Golgi complex by stimulating phosphatidylinositol 4,5-bisphosphate synthesis. *Biochem. Soc. Trans.* 27: 638-642 (1999)
77. Lupi R., **Corda D.*** and Di Girolamo M. Endogenous ADP-ribosylation of the G-protein βγ subunit prevents the inhibition of type 1 adenylyl cyclase. *J. Biol. Chem.* 275: 9418-9424 (2000) *Corresponding author
78. **Corda D.** and Berrie C.P. Ras. In: *Encyclopedia of Molecular Medicine*, John Wiley & Sons, vol. 4: 2732-2735 (2001)
79. Berrie C.P. and **Corda D.** Rap. In: *Encyclopedia of Molecular Medicine*, John Wiley & Sons, vol. 4: 2728-2732 (2001)
80. Zaru R., Berrie C.P., **Corda D.** and Valitutti S. CD28 co-stimulates TCR/CD3-induced phosphoinositide turnover in human T lymphocytes. *Eur. J. Immunol.* 31: 2438-2447 (2001)
81. Buccione R. and **Corda D.** Membrane phosphoinositides as molecular targets for the control of motility and invasion of tumor cells. *Tumori* 87: s19-s20 (2001)

82. Nardini M., Spanò S., Cericola C., Pesce A., Damonte G., Luini A., **Corda D.** and Bolognesi M. Crystallization and preliminary X-ray diffraction analysis of brefeldin A-ADP ribosylated substrate (BARS). *Acta Crystallogr. D Biol. Crystallogr.* 58: 1068-1070 (2002)
83. Lupi R., Dietrich A., Dani N., Marchegiani A., Turacchio S., Berrie C. P., Moss J., Gierschik P., **Corda D.*** and Di Girolamo M. Endogenous mono-ADP-ribosylation of the free G β-γ prevents stimulation of phospholipase C-β2 and phosphoinositide 3 kinaseγ. *Biochem. J*. 367: 825-832 (2002) *Corresponding author
84. **Corda D.**, Hidalgo Carcedo C., Bonazzi M., Luini A. and Spanò S. Molecular aspects of membrane fission in the secretory pathway. *Cell. Mol. Life Sci*. 59: 1819-1832 (2002)
85. **Corda D.** and Di Girolamo M. Mono-ADP-ribosylation: a tool for modulating immune response and cell signalling. *Sci. STKE* 2002 (163): pe53 (2002)
86. Berrie C.P., Dragani L.K., van der Kaay J., Iurisci C., Brancaccio A., Rotilio D., **Corda D.** Maintenance of PtdIns45P_2 pools under limiting inositol conditions, as assessed by liquid chromatography-tandem mass spectrometry and PtdIns45P2 mass evaluation in Ras-transformed cells. *Eur. J. Cancer* 38: 2463-2475 (2002)
87. **Corda D.**, Iurisci C. and Berrie C.P. Biological activities and metabolism of the lysophosphatidylinositols and glycerophosphoinositols. *Biochim. Biophys. Acta* 1582: 52-69 (2002)
88. De Matteis M.A., Godi A. and **Corda D.** The phosphoinositide and the Golgi Complex. *Curr. Opin. Cell Biol*. 14: 434-447 (2002)
89. Zheng B., Berrie C.P., **Corda D.*** and Farquhar M.G. GDE1/MIR16 is a glycerophosphoinositol phosphodiesterase regulated by stimulation of G protein-coupled receptors. *Proc. Natl. Acad. Sci. USA* 100: 1745-1750 (2003) *Corresponding author
90. Mancini R., Piccolo E., Mariggiò S., Filippi M.B., Iurisci C., Pertile P., Berrie C.P., **Corda D.** Reorganization of the actin cytoskeleton by the phosphoinositide metabolite glycerophosphoinositol 4-phosphate. *Mol. Biol. Cell* 14: 503-515 (2003)
91. Rusk N., Le P.U., Mariggio S., Guay G., Iurisci C., Nabi I.R., **Corda D.** and Symons M. Synaptojanin 2 functions at an early step of clathrin-mediated endocytosis. *Curr. Biol.* 13: 659-663 (2003)
92. Nardini M., Spanò S., Cericola C., Pesce A., Massaro A., Millo E., Luini A., **Corda D.***, Bolognesi M. CtBP/BARS: structure of a dual-function protein involved in transcription co-repression and Golgi membrane fission. *EMBO J*. 22: 3122-3130 (2003) *Corresponding author
93. **Corda D.** and Di Girolamo M. Functional aspects of the mono-ADP-ribosylation. *EMBO J*. 22: 1953-1958 (2003)
94. Di Girolamo M. and **Corda D.** Mono-ADP-ribosylation of heterotrimeric G proteins. In: *Handbook of Cell Signalling*, Ralph Bradshaw and Edward Dennis (eds.), Academic Press, San Diego, vol. 2: 613-618 (2003)
95. Mariggiò S., Filippi B.M., Iurisci C. and **Corda D.** Biological activities of the phosphoinositide derivates, the glycerophosphoinositols. In: *Chemical Probes in Biology*. Schneider M.P. (ed.), Kluwer Academic Publisher, The Netherlands. p. 39-49 (2003)
96. Dragani L.K., Berrie C.P., **Corda D.**, Rotilio D. Analysis of glycerophosphoinositols by liquid chromatography-electrospray ionisation tandem mass spectrometry using a β-cyclodextrin-bonded column. *J. Chromatogr. B* 802: 283-289 (2004)
97. Mironov A.A., Colanzi A., Polishchuk R.S., Beznoussenko G.V., Mironov A.A. Jr., Fusella A., Di Tullio G., Silletta M.G., **Corda D.**, De Matteis M.A. and Luini A. Dicumarol, an inhibitor of ADP-ribosylation of CtBP3/BARS, fragments Golgi non-compact tubular zones and inhibits intra-Golgi transport. *Eur. J. Cell Biol.* 83: 263-279 (2004)
98. Hidalgo Carcedo C., Bonazzi M., Spanò S., Turacchio G., Colanzi A., Luini A. and **Corda D.** Golgi fragmentation during mitosis requires the membrane fissioning protein CtBP3/BARS. *Science* 305: 93-96 (2004)
99. Bertini R., Allegretti M., Bizzarri C., Moriconi A., Locati M., Zampella G., Cervellera M.N., Di Cioccio V., Cesta M.C., Galliera E., Martinez F.O., Di Bitondo R., Troiani G., Sabbatini V., Anacardio R., Cutrin J.C., Cavalieri B., Mainiero F., Strippoli R., Villa P., Di Girolamo M., Martin F., Gentile M., Santoni A., **Corda D.**, Ghezzi P., Poli G., Mantovani A. and Colotta F. A new class of non-competitive allosteric inhibitors of the inflammatory chemokine receptors CXCR1 and CXCR2: prevention of reperfusion injury. *Proc. Natl. Acad. Sci. USA* 101: 11791-11796 (2004)
100. Buccione R., Baldassarre M., Trapani V., Catalano C., Pompeo A., Brancaccio A., Giavazzi R., Luini A. and **Corda D.** Glycerophosphoinositols inhibit the ability of tumor cells to invade the extracellular matrix. *Eur. J. Cancer* 41: 470-476 (2005)
101. Bonazzi M., Spanò S., Turacchio G., Cericola C., Valente C., Colanzi A., Kweon H.-S., Hsu V. W., Polishchuck E.V., Sallese M., Pulvirenti T., **Corda D.** and Luini A. CtBP3/BARS drives membrane fission at dynamin-independent trafficking pathways. *Nat. Cell Biol.* 7: 570-580 (2005)
102. **Corda D.** and De Matteis MA. Phosphoinositides. In: *Yearbook of Science & Technology*, McGraw-Hill, New York, pp. 259-262 (2005)
103. Bruno A., Rossi C., Marcolongo G., Di Lena A., Venzo A., Berrie C.P. and **Corda D.** Selective *in vivo* anti-inflammatory action of the galactolipid monogalactosyldiacylglycerol. *Eur. J. Pharmacol.* 524: 159-168 (2005)
104. Di Girolamo M., Dani N., Stilla A. and **Corda D.** Physiological relevance of the endogenous mono-ADP-ribosylation of cellular proteins. *FEBS J.* 272: 4565-4575 (2005)
105. Valente C., Spanò S., Luini A. and **Corda D.** Purification and functional properties of the membrane fissioning protein CtBP/BARS. *Methods Enzymol*. 404: 296-316 (2005)
106. Yang J-S., Lee S. Y., Spanò S., Gad H., Zhang L., Bonazzi M., **Corda D.**, Luini A. and Hsu V.W. BARS participates in the fission of COPI vesicles from Golgi membrane. *EMBO J*. 24: 4133-4143 (2005)
107. Nardini M., Svergun D., Konarev P. V., Spanò S., Fasano M., Bracco C., Pesce A., Donadini A., Cericola C., Luini A., **Corda D.** and Bolognesi M. The C-terminal domain of the transcriptional co-repressor CtBP is intrinsically unstructured. *Protein Science* 15: 1042-1050 (2006)
108. Verger A., Quinlan K.G.R., Spanò S., **Corda D.**, Kable E.P., Braet F., Crossley M. Mechanisms directing the nuclear localization of the CtBP family proteins. *Mol. Cell Biol.* 26: 4882-4894 (2006)

109. Mariggiò S., Sebastià J., Filippi B., Iurisci C., Volontè C., Amadio S., De Falco V., Santoro M. and **Corda D.** A novel pathway of cell-growth regulation mediated by a PLA_2 α-derived phosphoinositide metabolite. *FASEB J.* 20: 2567-2569 (2006)
110. Quinlan K.G. R., Nardini M., Verger A., Francescato P., Yaswen P., **Corda D.**, Bolognesi M. and Crossley M.. Specific recognition of ZNF217 and other zinc-finger proteins at a surface groove of CtBPs. *Mol. Cell. Biol*. 26: 8159-8172 (2006)
111. **Corda D.**, Colanzi A., Luini A. The multiple activities of CtBP/BARS proteins: the Golgi view. *Trends Cell Biol.* 16: 167-173 (2006)
112. Mariggiò S., Bavec A., Natale E., Zizza P., Salmona M., **Corda D.** and Di Girolamo M. $G\alpha_{13}$ mediates activation of the cytosolic phospholipase $A_2\alpha$ through fine regulation of ERK phosphorylation. *Cell. Signal*. 18: 2200-2208 (2006)
113. Mariggiò S., Iurisci C., Sebastia J., Patton-Vogt J. and **Corda D.** Molecular characterization of a glycerophosphoinositol transporter in mammalian cells. *FEBS Lett*. 580: 6789-96 (2006).
114. Colanzi A., Hidalgo Carcedo C., Persico A., Cericola C., Turacchio G., Bonazzi M., Luini A. and **Corda D**. The Golgi mitotic checkpoint is controlled by BARS-dependent fission of the Golgi ribbon into separate stacks in G2. *EMBO J*. 26: 2465-2476 (2007)
115. Colanzi A. and **Corda D.** Mitosis controls the Golgi and the Golgi controls mitosis. *Curr. Opin. Cell Biol.* 4: 386-93 (2007)
116. Berrie C.P., Iurisci C., Piccolo E., Bagnati R. and **Corda D.** Analysis of phosphoinositides and their aqueous metabolites. *Methods Enzymol.* 434: 187-232 (2007)
117. Patrussi L., Mariggiò S., Paccani S.R., Capitani N., Zizza P., **Corda D.** and Baldari C.T. Glycerophosphoinositol-4-phosphate enhances SDF-1alpha-stimulated T-cell chemotaxis through PTK-dependent activation of Vav. *Cell Signal.* 19: 2351-2360 (2007)
118. Mariggiò S., Filippi B., Iurisci C., Dragani L.K., De Falco V., Santoro M. and **Corda D.** Cytosolic phospholipase $A_2\alpha$ regulates cell growth in RET/PTC-transformed thyroid cells, *Cancer Res.* 67: 11769-11778 (2007)
119. Spanò S., Hidalgo Carcedo C. and **Corda D**. CtBP3/BARS and membrane fission. In: *CtBP Family Proteins (ed. G. Chinnadurai), Georgetown, TX: Landes Bioscience*. (2007) (Published online at http://www.eurekah.com/abstract.php?chapid=2638&bookid=198&catid=30)
120. Liberali P., Kakkonen E., Turacchio G., Spaar A., Perinetti G., Böckmann R.A., **Corda D.**, Colanzi A., Marjomaki V. and Luini A. Macropinosome fission requires plasma membrane recruitment and Pak1-mediated phosphorylation of CtBP1/BARS. *EMBO J.* 27: 970-981 (2008)
121. Filippi B.M., Mariggiò S., Pulvirenti T., **Corda D.** Src-dependent signalling regulates actin ruffle formation induced by glycerophosphoinositol 4-phosphate. *BBA-Mol. Cell. Res*. 783: 2311-2322 (2008).
122. Dani N., Stilla A., Marchegiani A., Tamburro A., Till S., Ladurner A.G., **Corda D.**, Di Girolamo M. Combining affinity purification by ADP-ribose-binding macro domains with mass spectrometry to define the mammalian ADP-ribosyl proteome. *Proc. Natl. Acad. Sci. U. S. A.* 106: 4243-4248 (2009).
123. Nardini M., Valente C., Ricagno S., Luini A., **Corda D.** and Bolognesi M. CtBP1/BARS Gly172-->Glu mutant structure: impairing NAD(H)-binding and dimerization. *Biochem. Biophys. Res. Commun.* 381: 70-74 (2009).
124. **Corda D.,** Kudo T., Zizza P., Iurisci C., Kawai E., Kato N., Yanaka N. and Mariggiò S. The developmentally regulated osteoblast phosphodiesterase GDE3 is glycerophosphoinositol specific and modulates cell growth. *J. Biol. Chem.* 284: 24848-24856 (2009)
125. Di Girolamo M. and **Corda D.** Mono-ADP-ribosylation of heterotrimeric G proteins. In: *Handbook of Cell Signalling*, Ralph Bradshaw and Edward Dennis (eds.), 2ND ed. Academic Press, San Diego, vol. 3: 1665-1672 (2009)
126. **Corda D.**, Zizza P., Varone A., Filippi B.M., and Mariggiò S. The glycerophosphoinositols: cellular metabolism and biological functions. *Cell. Mol. Life Sci*. 66: 3449-3467 (2009)
127. San Pietro E., Capestrano M.G., Polishchuk E., Di Pentima A., Trucco A., Zizza P., Mariggiò S., Pulvirenti T., Sallese M., Tete S., Mironov A.A., Leslie C., **Corda D.**, Luini A. and Polishchuk R. Group IV phospholipase $A_2\alpha$ controls the formation of inter-cisternal continuities involved in intra-Golgi transport. *PLoS Biology* Sep;7(9):e1000194 Epub (2009)
128. De Matteis M.A., **Corda D.** and Luini A. The Golgi complex. *FEBS Lett.* 583: 3731 (2009)
129. Okazaki Y., Ohshima N., Yoshizawa I., Kamei Y., Mariggiò S., Okamoto K., Maeda M., Nogusa Y., Fujioka Y., Izumi T., Ogawa Y., Shiro Y., Wada M., Kato N., **Corda D.** and Yanaka N. A novel glycerophosphodiester phosphodiesterase GDE5 controls skeletal muscle development via a non-enzymatic mechanism. *J. Biol. Chem.* 285: 27652-27663 (2010)
130. Menniti M., Iuliano R., Sopjani M., Föller M., Mariggiò S., Nofziger C., Perri A.M., Amato R., Yost B.B., **Corda D.**, Lang F. and Perrotti N. 60kDa lysophospholipase, a new Sgk1 molecular partner involved in the regulation of EnaC. *Cell. Physiol. Biochem.* 26: 587-596 (2010)
131. Persico A., Cervigni R., Barretta M.L., Cericola C., **Corda D.** and Colanzi A. Golgi partitioning controls mitotic entry through Aurora-A kinase. *Mol. Biol. Cell* 21: 3708-3721 (2010)
132. Dani N., Mayo E., Stilla A., Marchegiani A., Di Paola S., **Corda D.*** and Di Girolamo M. Mono-ADP-ribosylation of the G-protein bg dimer is modulated by hormones and inhibited by ARF6. *J. Biol. Chem.* 286: 5995-6005 (2011) *Corresponding author
133. Buitendijk S., **Corda D.**, Flodström A., Holdcroft A., Hunter J., Pollitzer E., Rees T., Rice C., Schiebinger L., Schraudner M., Sjørup K. and Tarrach R. Women in science and medicine. *Lancet* 377: 811 (2011)
134. Yang J-S., Valente C., Polishchuk R.S., Layre E., Turacchio G., Leslie C.C., Moody D.B., Gelb M.H., Brown W.J., C**orda D.**, Luini A. and Hsu V.W. Progenitor COPI buds can form either Golgi vesicles or tubules. *Nat. Cell Biol*. 13: 996-1003 (2011)
135. Stilla A., Di Paola S., Dani N., Krebs C., Arrizza A., **Corda D.**, Haag F., Koch-Nolte F., Di Girolamo M. Characterisation of a novel glycosylphosphatidylinositol-anchored mono-ADP-ribosyltransferase isoform in ovary cells. *Eur. J. Cell Biol.* 90: 665-677 (2011)

136. Cervigni R.I., Barretta M.L., Persico A., **Corda D.** and Colanzi A. The role of Aurora-A kinase in the Golgi-dependent control of mitotic entry. *Bioarchitecture*. 1: 61-65 (2011)
137. **Corda D.**, Zizza P., Varone A., Bruzik K.S. and Mariggiò S. The glycerophosphoinositols and their cellular functions. *Biochem. Soc. Trans.* 40: 101-107 (2012)
138. Zizza P., Iurisci C., Bonazzi M., Cossart P., Leslie C.C., **Corda D.*** and Mariggiò S. Phospholipase A_2 IV α regulates phagocytosis independent of its enzymatic activity. *J. Biol. Chem.* 287: 16849-16859 (2012) *Corresponding author
139. Valente C., Turacchio G., Mariggiò S., Pagliuso A., Gaibisso R., Di Tullio G., Santoro G., Formiggini F., Spanò S., Piccini D., Polishchuk R.S., Colanzi A., Luini A. and **Corda D.** A 14-3-3γ-dimer-based scaffold assembles a dynamic protein complex required for post-Golgi-carrier formation. *Nat. Cell Biol*. 14: 343-354 (2012) *Classified by the *Faculty of 1000* in the top 2% of papers published in 2012 in medicine and biology.
140. **Corda D.**, Barretta M.L., Cervigni R.I. and Colanzi A. Golgi Complex Fragmentation in G2/M Transition: An Organelle-based Cell-cycle Checkpoint. *IUBMB Life,* 64: 661-670 (2012)
141. Colanzi A., Grimaldi G., Catara G., Valente C., Cericola C., Liberali P., Ronci M., Lalioti V., Bruno A., Beccari A., Urbani A., De Flora A., Nardini M., Bolognesi M., Luini A. and **Corda D.** Molecular mechanism and functional role of brefeldin-A-mediated ADP-ribosylation of CtBP1/BARS. *Proc. Natl. Acad. Sci. U. S. A.* 110: 9794-9799 (2013)
142. Patrussi L., Mariggiò S., **Corda D.** and Baldari C.T. The glycerophosphoinositols: from lipid metabolites to modulators of T cell signaling. *Front. Immunol.* 4:213 doi: 10.3389/fimmu.2013 (2013) eCollection 2013.
143. Valente C., Luini A. and **Corda D.** Components of the CtBP1/BARS-dependent fission machinery. *Histochem. Cell Biol.* 140: 407-421 (2013)
144. **Corda D.** and De Matteis M.A. Lipid Signalling in health and disease. *FEBS J.* 280: 6280 (2013)
145. **Corda D.**, Mosca M.G., Ohshima N., Grauso L., Yanaka N. and Mariggiò S. The emerging physiological roles of the glycerophosphodiesterase family. *FEBS J.* 281: 998-1016 (2014)
146. De Luca A.C., Reader-Harris P., Mazilu M., Mariggiò S., **Corda D.** and Di Falco A. Reproducible Surface Enhanced Raman Quantification of Biomarkers in Multicomponent Mixtures. *ACS Nano* 25: 2575-2583 (2014)
147. Ohshima N., Kudo T., Yamashita Y., Mariggiò S., Araki M., Honda A., Nagano T., Kato N., **Corda D.**, Izumi T. and Yanaka N. New members of the mammalian glycerophosphodiester phosphodiesterase family: GDE4 and GDE7 produce lysophosphatidic acid by lysophospholipase D activity. *J. Biol. Chem.* 290: 4260-4271 (2015)
148. Grimaldi G., **Corda D.** and Catara G. From toxins to mammalian enzymes: the diverse facets of mono-ADP-ribosylation. *Front. Biosci.* 20: 389-404 (2015)
149. Grauso L., Mariggiò S., **Corda D.**, Fontana A. and Cutignano A. An improved UPLC-MS/MS platform for quantitative analysis of glycerophosphoinositol in mammalian cells. *PLOSone* 10(4):e0123198. doi: 10.1371/journal.pone.0123198. eCollection 2015 (2015)
150. Cervigni R.I., Bonavita R., Barretta M.L., Spano D., Ayala I., Nakamura N., **Corda D.** and Colanzi A. JNK2 controls fragmentation of the Golgi complex and G2/M transition trough phosphorylation of GRASP65. *J. Cell Sci.* 128: 2249-2260 (2015)
151. Valeri M., Zurli V., Ayala I., Colanzi A., **Corda D.**, Pizza M.G., Soriani M. and Rossi Paccani S. The *Neisseria meningitidis* ADP-ribosyltransferase NarE enters human epithelial cells and disrupts epithelial monolayer integrity. *PLOSone* 10: e0127614. doi: 10.1371/ journal.pone.0127614. eCollection 2015 (2015)
152. Thomas J.L., Moncollin V., Ravel-Chapuis A., Valente C., **Corda D.**, Méjat A. and Schaeffer L. PAK1 and CtBP1 regulate the coupling of neuronal activity to muscle chromatin and gene expression. *Mol Cell Biol.* 35: 4110-4120 (2015)
153. Scuotto M., Rivieccio E., Varone A., **Corda D.**, Bucci M., Vellecco V., Cirino G., Virgilio A., Esposito V., Galeone A., Borbone N., Varra M., Mayol L. Site specific replacements of a single loop nucleoside with a dibenzyl linker may switch the activity of TBA from anticoagulant to antiproliferative. *Nucleic Acid Res.* 43: 7702-7716 (2015)
154. Barretta M.L., Spano D., D'Ambrosio C., Cervigni R.I., Scaloni A., **Corda D.** and Colanzi A. Aurora-A recruitment and centrosomal maturation are regulated by a Golgi-activated pool of Src during G2/M transition. *Nature Comm.* 7: 11727-11740 (2016)
155. Managò S., Valente C., Mirabelli P., Circolo D., Basile F., **Corda D.** and De Luca A.C. A reliable Raman-spectroscopy-based approach for diagnosis, classification and follow-up of B-cell acute lymphoblastic leukemia. *Sci. Rep.* 6 :24821 doi: 10.1038/srep24821 (2016)
156. Pagliuso A., Valente C., Giordano L.L., Turacchio G., Circolo D., **Corda D.*** and Luini A. Fission of post-Golgi carriers requires the BARS-mediated regulation of LPAAT4 activity. *Nature Comm.* 7: 12148-12162 (2016) *Corresponding author
157. Brancati N., De Pietro G., Frucci M., Amoruso C., **Corda D.** and Varone A. Automatic quantification of the extracellular matrix degradation produced by tumor cells. *Innovation in Medicine and Healthcare*, Chen Y.-W., Tanaka S., Howlett R.J., Jain L.C. (Eds.), Springer, Smart Innovation, Systems and Technologies 60, 137-145, doi: 10.1007/978-3-319-39687-3_14 (2016)
158. Vessichelli M., Mariggiò S., Varone A., Zizza P., Di Santo A.M., Amore C., Dell'Elba G., Cutignano A., Fontana A., Cacciapuoti C., Di Costanzo G., Zannini M., de Cristofaro T., Evangelista V. and **Corda D.** The natural phosphoinositide derivative glycerophosphoinositol inhibits the lipopolysaccharide-induced inflammatory and thrombotic responses. *J. Biol. Chem.* 292: 12828-12841 (2017)
159. Catara G., Grimaldi G., Schembri L., Turacchio G., Lo Monte M., Beccari A.R. and **Corda D**. PARP1-produced poly-ADP-ribose causes the PARP12 translocation to stress granules and impairment of Golgi complex functions. *Sci. Rep.* 7: 14035 doi: 10.1038/s41598-017-14156-8 (2017)
160. Lo Monte M., Manelfi C., Gemei M., **Corda D.**, and Beccari A.R. *ADPredict*: ADP-ribosylation site prediction based on physicochemical and structural descriptors. *Bioinformatics*, bty159, DOI: 10.1093/bioinformatics/bty159 (2018)
161. Grimaldi G., Catara G., Valente C. and **Corda D.** *In vitro* techniques for ADP-ribosylated substrate identification. *Methods Mol. Biol.,* 1813: 25-40 (2018)

162. Grimaldi G. and **Corda D.** ADP-ribosylation and intracellular traffic, an emerging role for PARP enzymes. *Biochem. Soc. Trans.,* 47: 357-370 DOI:https://doi.org/10.1042/ BST20180416 (2019)
163. Varone A., Mariggiò S., Patheja M., Maione V., Varriale A., Vessichelli M., Spano D., Formiggini F., Lo Monte M., Brancati N., Frucci M., Del Vecchio P., D'Auria S., Flagiello A., Iannuzzi C., Luini A., Pucci P., Banci L., Valente C. and **Corda D.** A signalling cascade involving receptor-activated phospholipase A2, glycerophosphoinositol 4-phosphate, Shp1 and Src in the activation of cell motility. *Cell Commun. Signal.,* 17: 1-21 doi: 10.1186/s12964-019-0329-3 (2019)
164. Ferrara M. A., Filograna A., Ranjan R., **Corda D.**, Valente C., and Sirleto L. Three-Three-dimensional label-free imaging throughout adipocyte differentiation by stimulated Raman microscopy. *PlosONE* May 21;14(5): e0216811. doi: 10.1371/journal.pone.0216811. eCollection (2019)
165. De Matteis MA, **Corda D**, Luini A. The Golgi complex: 120 years and it doesn't show. *FEBS Lett.* 593: 2277-2279. doi: 10.1002/1873-3468.13577 (2019**)**
166. Grimaldi G., Catara G., Corteggio A., Palazzo L., Valente C. and **Corda D.** PARPs and PAR as novel pharmacological targets for the treatment of stress granule-associated disorders. *Biochem. Pharm.* 167: 64-75. doi: 10.1016/j.bcp.2019.05.019. (2019)
167. Zhukovsky M.A., Filograna A., Luini A., **Corda D.** and Valente C. The structure and function of acylglycerophosphate acyltransferase 4/ lysophosphatidic acid acyltransferase delta (AGPAT4/LPAATdelta) *Front Cell Dev Biol. 7: 147. doi: 10.3389/fcell.2019.00147. eCollection* (2019)
168. Zhukovsky M.A., Filograna A., Luini A., ***Corda D.** and Valente C. Phosphatidic acid in membrane rearrangements. *FEBS Lett.* 593: 2428-2451. doi: 10.1002/1873-3468.13563 (2019) *Corresponding author
169. Zhukovsky M.A., Filograna A., Luini A., ***Corda D.** and Valente C. Protein-amphipathic-helix insertion: a mechanism to induce membrane fission. *Front. Cell Dev. Biol. 7: 291. doi: 10.3389/fcell.2019.00291. eCollection* (2019) *Corresponding author
170. Varone A., Spano D. and **Corda D.** Shp1 in solid cancers and their therapy. *Front Oncol.* 10:935. doi: 10.3389/fonc.2020.00935 (2020)
171. Campos A.M., Nuzzo G., Varone A., Italiani P., Boraschi D., **Corda D.** and Fontana A. Direct LC-MS/MS analysis of extra- and intra-cellular glycerophosphoinositol in model cancer cell lines. *Front. Immunol.* 12:1-8 doi: 10.3389/fimmu.2021.646681 (2021)
172. Rizzo R., Russo D., Kurokawa K., Sahu P., Lombardi B., Supino D., Zhukovsky M., Vocat A., Pothukuchi P., Kunnathully V., Capolupo L., Boncompain G., Vitagliano C., Zito Marino F., Aquino G., Montariello D., Henklein P., Mandrich L., Botti G., Clausen H., Mandel U., Yamaji T., Hanada K., Budillon A., Perez F., Parashuraman S., Hannun Y.A., Nakano A., **Corda D.**, D'Angelo G. and Luini A. Golgi maturation-dependent glycoenzyme recycling controls glycosphingolipid biosynthesis and cell growth via GOLPH3. *EMBO J.* 40(8):e107238. doi: 10.15252/embj.2020107238. Epub 2021 Mar 22. PMID: 33749896 (2021)
173. Varone A., Amoruso C., Patheja M., Greco A., Auletta L., Zannetti A. and **Corda D.** The phosphatase Shp1 interacts with and dephosphorylates cortactin to inhibit invadopodia function. *Cell Commun. Signal.* 19(1):64. doi: 10.1186/s12964-021-00747-6. PMID: 34088320 (2021)
174. Lüscher B., Ahel I, Altmeyer M, Ashworth A, Bai P, Chang P, Cohen M, **Corda D**, Dantzer F, Daugherty MD, Dawson TM, Dawson VL, Deindl S, Fehr AR, Feijs KLH, Filippov DV, Gagné JP, Grimaldi G, Guettler S, Hoch NC, Hottiger MO, Korn P, Kraus WL, Ladurner A, Lehtiö L, Leung AKL, Lord CJ, Mangerich A, Matic I, Matthews J, Moldovan GL, Moss J, Natoli G, Nielsen ML, Niepel M, Nolte F, Pascal J, Paschal BM, Pawłowski K, Poirier GG, Smith S, Timinszky G, Wang ZQ, Yélamos J, Yu X, Zaja R, Ziegler M. ADP-ribosyltransferases, an update on function and nomenclature. *FEBS J.* doi: 10.1111/febs.16142. PMID: 34323016 (2021)
175. Gorbunova V., Buschbeck M., Cambronne X.A., Chellappa K., **Corda D.**, Du J., Freichel M., Gigas J., Green A.E., Gu F., Guberovic I., Jayabalan A., Khansahib I., Mukherjee S., Seluanov A., Simon M.A., Sverkeli L.J., Kory N., Levine D.C., Matic I., Nikiforov A., Rack J.G.M., Imai S.I., Sinclair D.A., Toiber D., Zhao Y., Mostoslavsky R., Kraus L. and Guse A.H. The 2021 FASEB science research conference on NAD metabolism and signaling. *Aging* 13(23): 24924-24930 (2021)
176. Grimaldi G., Filograna A., Schembri L., Lo Monte M., Di Martino R., Pirozzi M., Spano D., Di Martino R., Spano D., Beccari A.R., Parashuraman S., Luini A., Valente C. and **Corda D**. PKD-dependent PARP12-catalyzed mono-ADP-ribosylation of Golgin-97 is required for E-cadherin transport from Golgi to plasma membrane. *Proc. Natl. Acad. Sci. USA,* 119(1): e2026494119. doi: 10.1073/pnas.2026494119. PMID: 34969853 (2022)
177. Boncompagni G., Varone A., Tatangelo V., Capitani N., Frezzato F., Visentin A., Trentin L., ***Corda D.**, Baldari C.T. and Patrussi L. Glycerophosphoinositol (GroPIns) promotes apoptosis of chronic lymphocytic leukemia (CLL) cells by enhancing Bax expression and activation. *Front. Oncol.* Mar 22;12:835290. doi: 10.3389/fonc.2022.835290. eCollection (2022) *Corresponding author
178. Gastaldi L., Martín J.I., Sosa L.J., Quassollo G., Valente C., Luini A., **Corda D**., Caceres A. and Bisbal M. BARS influences neuronal development by regulation of post-Golgi trafficking. Cells Apr 13;11(8):1320. doi: 10.3390/cells11081320 (2022)

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.

Daniela Corda

Daniela Corda
20.06.2022
14:39:17
GMT+01:00