

PERSONAL INFORMATION

DANIELA CORDA



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

POSITION ADDRESS

Director
 Department of Biomedical Sciences
 National Research Council
 Piazzale Aldo Moro 7
 00185 Rome, Italy

WORK EXPERIENCE

- 1973-1977 Student, Faculty of Biological Sciences, University of Perugia, Italy.
- 1979-1983 Ph.D. Student, Department of Membrane Research, the Weizmann Institute of Science, Rehovot, Israel. Research field: membrane biology and biophysics.
- May/June1980 Visiting PhD student, Kernforschungsanlage, Institute fur Neurobiologie, Julich, Germany Research field: mechanisms of rhodopsin photoactivation
- 1983-1986 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.
- 1986-1988 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.
- August 1987 Visiting Scientist, Department of Hormone Research, the Weizmann Institute of Science, Rehovot, Israel. Research field: G-protein mediated signalling.
- 1987 Co-founder of the Consorzio Mario Negri Sud, S. Maria Imbaro (Chieti) Italy
- 1988-2009 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.
- 1996-2003 Head of the Department of Cell Biology and Oncology, "Mario Negri Sud" Institute, S. Maria Imbaro (Chieti), Italy.
- 2004 Co-founder of TIDID (Telethon Initiative for the Discovery of Drug targets).
- 2004-2009 Director for Research & Development, "Mario Negri Sud" Institute, S. Maria Imbaro (Chieti), Italy.
- 2010 - 2016 President, National Research Council Research Area NA1, Via Pietro Castellino 111, Naples
- 2009 - 2018 Director, Institute of Protein Biochemistry, National Research Council, Naples, Italy
- since Nov 2018 Director of Research, Institute of Biochemistry and Cell Biology, National Research Council, Naples, Italy
- Since Dic 2019 Director of the Department of Biomedical Sciences, National Research Council, Rome, Italy

EDUCATION AND TRAINING

- 1977 Pre-doctoral Degree: Laurea in Biological Sciences, Summa cum Laude. University of Perugia, Italy. Research field: photochemistry and biophysics
- 1984 Doctoral Degree: Ph.D. in Life Sciences. Weizmann Institute of Science, Rehovot, Israel. Research field: membrane biology and biophysics.

PERSONAL SKILLS

Mother tongue(s) Italian
 Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Communication skills

Teaching activities

- 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.
- since 2013 Supervisor, Joint International Doctorate programme of the Institute of Protein Biochemistry, CNR and "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

Science communications

Invited speaker at several national and international workshops and congresses, invited lecturer at International Universities and Research Centers.

Science policy and dissemination activities

Invited speaker and /or discussant in several "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. Also, speaker for science dissemination for the general public on behalf of Charities such as the Italian Association for Cancer Research (AIRC) and Telethon (the charity dedicated to genetic diseases).

Referee

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 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.

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 to date 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
- 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

Job-related skills

Editorial assignments

- Since 2018: Editorial Board of Nature Scientific Reports
- Since 2015: Editorial Board of Cellular Signalling
- Since 2008: 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

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. Main organizer of 13 FEBS and EMBO Advanced Courses on lipid signalling (1997-2018).

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

- 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 Ongoing Funding

- 2019-2021** 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 -
- 2018-2020** Regional project (POR) SATIN; "Sviluppo di Approcci Terapeutici INnovativi per patologie neoplastiche resistenti ai trattamenti
- 2018-2020** 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"

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 Skłodowska-Curie Actions, Future and Emerging Technologies (FET)) and for the National Representative Board (NRB) of FLAG ERA
- 2014 Member of the *Accademia 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
- Nov 2016 Member of the Working Group for the bilateral research program Italy-Slovenia
- 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
- since 2016 Elected Member of the Steering Committee of the Italy's Life Science Cluster "Alisei"
- 2017 Keynote lecture at the "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 Member of the Board of Trustees of the Foundation Biology for Medicine (BioForME)
- 2019 Member of the Scientific Committee of the project "SISCOE co-DEsign for Society in Innovation and Science", H2020

Memberships 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); *Permanent, elected member* of the European Molecular Biology Organization (EMBO); Member of the *Accademia Europeae*; European Thyroid Association (ETA); Federation of the European Biochemical Societies (FEBS); Italian Society of Biochemistry (SIB).

10 selected Publications

1. 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)
2. 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
3. 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)
4. 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)
5. Colanzi A. and Corda D. Mitosis controls the Golgi and the Golgi controls mitosis. *Curr Opin Cell Biol.* 4: 386-93 (2007)
6. Valente C., Turacchio G., Marigiò 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 14-3-3 γ -dimer-based scaffold assembles a dynamic protein complex required for post-Golgi-carrier formation. *Nat. Cell Biol.* 14: 343-354 (2012)
7. 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)
8. 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
9. Vessichelli M., Marigiò 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)
10. Catara G., Grimaldi G., Schembri L., Turacchio G., Lo Monte M., Beccari A.R. and Corda D. Nuclear poly-ADP-ribose release determines the translocation of PARP12 from the Golgi complex to stress granules. *Nat. Sci. Rep.* 7:14035. doi: 10.1038/s41598-017-14156-8 (2017)

Publications since 2008

1. 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)
2. Filippi B.M., Marigiò 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).
3. 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).
4. Nardini M., Valente C., Ricagno S., Luini A., **Corda D.** and Bolognesi M. CtBP1/BARS Gly172 \rightarrow Glu mutant structure: impairing NAD(H)-binding and dimerization. *Biochem. Biophys. Res. Commun.* 381: 70-74 (2009).
5. **Corda D.**, Kudo T., Zizza P., Iurisci C., Kawai E., Kato N., Yanaka N. and Marigiò S. The developmentally regulated osteoblast phosphodiesterase GDE3 is glycerophosphoinositol specific and modulates cell growth. *J. Biol. Chem.* 284: 24848-24856 (2009)
6. 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)
7. **Corda D.**, Zizza P., Varone A., Filippi B.M., and Marigiò S. The glycerophosphoinositols: cellular metabolism and biological functions. *Cell. Mol. Life Sci.* 66: 3449-3467 (2009)
8. San Pietro E., Capestrano M.G., Polishchuk E., Di Pentima A., Trucco A., Zizza P., Marigiò S., Pulvirenti T., Sallèse M., Tete S., Mironov A.A., Leslie C., **Corda D.**, Luini A. and Polishchuk R. Group IV phospholipase A₂alpha controls the formation of inter-cisternal continuities involved in intra-Golgi transport. *PLoS Biology* Sep;7(9):e1000194 Epub (2009)
9. **De Matteis M.A.**, **Corda D.** and Luini A. The Golgi complex. *FEBS Lett.* 583: 3731 (2009)
10. Okazaki Y., Ohshima N., Yoshizawa I., Kamei Y., Marigiò 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)

11. 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)
12. 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)
13. Dani N., Mayo E., Stilla A., Marchegiani A., Di Paola S., **Corda D.*** and Di Girolamo M. Mono-ADP-ribosylation of the G-protein β dimer is modulated by hormones and inhibited by ARF6. *J. Biol. Chem.* 286: 5995-6005 (2011) *Corresponding author
14. 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)
15. Yang J-S., Valente C., Polishchuk R.S., Layre E., Turacchio G., Leslie C.C., Moody D.B., Gelb M.H., Brown W.J., **Corda D.**, Luini A. and Hsu V.W. Progenitor COPI buds can form either Golgi vesicles or tubules. *Nat. Cell Biol.* 13: 996-1003 (2011)
16. 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)
17. 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)
18. **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)
19. Zizza P., Iurisci C., Bonazzi M., Cossart P., Leslie C.C., **Corda D.*** and Mariggiò S. Phospholipase A₂ I α regulates phagocytosis independent of its enzymatic activity. *J. Biol. Chem.* 287: 16849-16859 (2012) *Corresponding author
20. 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 14-3-3 γ -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.
21. **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)
22. 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)
23. 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.
24. Valente C., Luini A. and **Corda D.** Components of the CtBP1/BARS-dependent fission machinery. *Histochem. Cell Biol.* 140: 407-421 (2013)
25. **Corda D.** and De Matteis M.A. Lipid Signalling in health and disease. *FEBS J.* 280: 6280 (2013)
26. **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)
27. 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)
28. 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)
29. 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)
30. 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)
31. 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 through phosphorylation of GRASP65. *J. Cell Sci.* 128: 2249-2260 (2015)
32. 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)
33. 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)
34. 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)
35. 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)
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