

**Daniela Corda**

**CURRICULUM VITAE**

Date and Place of Birth      June 19, 1955; Santopadre, Italy  
Citizenship                      Italian  
Marital status                    Married

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**Present Position**

Director of Research, at the Institute of Protein Biochemistry, National Research Council, Naples, Italy

**Education**

1973                      High School diploma - Liceo Ginnasio "Vincenzo Simoncelli", Sora (FR), Italy.  
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.

**Professional experience**

1973-1977              Student, Faculty of Biological Sciences, University of Perugia, Italy. Research field: photochemistry and biophysics.  
1979-1983              Ph.D. Student, Department of Membrane Research, the Weizmann Institute of Science. Rehovot, Israel. Research field: membrane biology and biophysics.  
May/June 1980        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. <u>Research field:</u> 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 (CNR) Research Area NA1, Via Pietro Castellino 111, Naples, Italy.
2009-2018	Director, Institute of Protein Biochemistry, National Research Council, Naples, Italy.
since 11/2018	Director of Research, Institute of Protein Biochemistry, National Research Council, Naples, Italy.

### Memberships and honors

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.
2008	EMBO Opening 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).
since 2009	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.
- since 2014 Delegate of the Italian National Research Council for the Italy's Life Science Cluster "Alisei".
- since 2014 Elected Member of the *Accademia Europaea*, UK.
- since 2015 Member of the Advisory Board of the Italian Association for Cancer Research (AIRC).
- since 2015 Elected Co-chair of the FET Flagships Board of Funders (BoF), H2020.
- 2016 Member of the Working Group for the bilateral research program Italy-Slovenia.
- 2016 Participant at the "*High-Level Round Table discussion*" on "Future FET Flagships" by invitation of the European Commissioner G.H. Oettinger.
- since 2016 Elected Member of the Steering Committee of the Italy's Life Science Cluster "Alisei".
- 2016 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.
- since 2017 Member of the Board of Trustees of the Foundation Biology for Medicine (BioForME).
- 2018 Member of the Scientific Committee of the project "SISCODE co-DEsign for Society in Innovation and Science", H2020.
- since 2018 Member of the Scientific Committee of the "Chiara D'Onofrio" Foundation.

### 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).

### Training experience

- 1978-1979 Part-time Teaching Assistant in 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 mechanisms 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.
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.
--	Invited Lecturer at PhD courses and post-graduate Medical Schools.

### **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.
since 2003	Member of the evaluation panel of the Research Councils for Biosciences and Environment (RCBE) and Health (RCH), Academy of Finland, Helsinki, Finland
since 2004	Registered referee for the Italian Ministry of Education, University and Research (Albo Revisori, MIUR).
since 2005	Registered referee for Italian Universities.
2008 - 2013	Member of the European Research Council (ERC) Evaluation Panel, Framework Programme 7, European Commission, Brussels, Belgium.
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.
2014	Reviewer, MIUR SIR (Scientific Independence of young Researchers) projects, Italy.
2015	Chair of the External Evaluation Committee for the “Strategic proposals 2014” of the Campus Bio-Medico University Hospital, Rome, Italy.
2015	Member of the Evaluation panel for the establishment of a distributed infrastructure for the "Advanced microscopy in the life sciences" in Sweden, Stockholm.
Since 2015	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.

## Selected 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 several courses and workshops among which were 13 FEBS and EMBO Advanced Courses on lipid signalling (1997-2018). Examples among the more recent include:

20-23 Maggio 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.
11 May 2018	"First TRansforming IDEAs in Oncological Research TRIDEO-AIRC Meeting", Naples, Italy.
17-19 May 2017	International Conference "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.
4-10 October 2012	FEBS Advanced Course on "Lipid Signaling and Cancer", Vico Equense, Naples, Italy.
7-11 October 2011	FEBS Workshop on "Cell Biology and Pharmacology of Mendelian Disorders", Vico Equense, Naples, Italy.
19-24 June, 2010	FEBS-IUBMB Workshop on "Eukaryotic lipids: treasure of regulatory information" The Island of Spetses, Greece.

## Selected Invited lectures

Since 1986 invited speaker at several national and international congresses. Among others, lectures were delivered at the following meetings:

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.
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.
9-14 September 2014	EMBO Workshop on "Current advances in membrane trafficking: Implications for polarity and diseases", Puerto Natales, Chile.
22-25 June 2014	The 15th Annual Armenise-Harvard Foundation Symposium on "Mechanisms to Molecules", Poiano Resort, Lake Garda, Italy.
23-25 October 2014	National Meeting of the PhD students associated to the Cell Biology (ABCD) and Biophysics and Molecular Biology (SIBBM) Societies, Pesaro, Italy.
26-29 September 2012	56th National Meeting of the Italian Society of Biochemistry and

	Molecular Biology (SIB), Chieti, Italy.
4-9 September 2012	22nd IUBMB & 37th FEBS Congress on “From Single Molecules to System Biology”, Seville, Spain.
12-16 March 2012	EuroMEMBRANE Workshop on “High-resolution imaging of membranes and membrane interactions“ BioCity, Turku, Finland.
4-9 September 2011	FASEB Summer Research Conference on “NAD Metabolism and Signalling”, Il Ciocco, Lucca, Italy.
25-30 June 2011	36th FEBS Congress "Biochemistry for Tomorrow's Medicine" Torino, Italy.
8-10 June 2011	Signalling 2011: A Biochemical Society Centenary Celebration, University of Edinburgh, Edinburgh, U.K.
19-24 June 2010	FEBS-IUBMB Workshop on “Eukaryotic lipids: treasure of regulatory information” Spetses, Greece.

### Selected Seminars

Numerous seminars delivered at national and international universities and research centers, among these:

Campus Bio-Medico University Hospital, Rome, Italy; School of Biological Sciences, Nanyang Technological University, Singapore; Department of Developmental Biology, Siena University, Italy; The Weizmann Institute of Science, Department of Biological Chemistry, Rehovot, Israel; Unité des Interactions Bactéries-Cellules, Institute Pasteur, Paris, France; Biological Seminars at the Medical School, "Università Cattolica del Sacro Cuore" Rome, Italy; Institute for Research in Biomedicine - IRB, Barcellona, Spain; Nencki Institute of Experimental Biology, Warsaw, Poland; The National Institute for Medical Research, Mill Hill, London, UK; "Instituto de Tecnologia Química e Biológica António Xavier" University NOVA, Lisbon, Portugal; Department of Biology, Abo Akademi University, Centre for Biotechnology, Turku, Finland; Laboratory of Molecular Biology (LMB), University of Cambridge, UK; Clare Hall College, University of Cambridge, UK.

### 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).

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

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
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.
- 12-14 June 2017 "The Pillar Excellent Science in the FP H2020", 5° ICAR-CNR Workshop, Ischia, Italy
- 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.
- 16 November 2016 "ERC Life Sciences (LS) sector: addressing EU strategies and challenges by transnational jointed research", Bilateral meeting Italy-Slovenia on the Role of Research in the Society, Trieste, Italy.
- 14 September 2016 European Research Council (ERC) National Launch Day of the Work Program 2017, "Istituto Superiore di Sanità" ISS, Rome, Italy.
- 28 April 2016 Information day on the First Pillar of Horizon 2020, CNR, Naples, Italy.
- 8 October 2015 Funding opportunities in Marie Skłodowska-Curie Actions e Future and Emerging Technologies in Horizon 2020, at "Sviluppo Campania", Naples, Italy.
- 14 September 2015 Funding opportunities in Horizon 2020 for the 2016-2017 calls of the European Research Council (ERC), National Launch Day for the Work Programme 2016, University "La Sapienza", Rome, Italy.
- 2 ottobre 2015 "Research for Global Challenges - Strategies for collaborative research funding": the initiatives of Ca' Foscari University towards FP9, University Ca' Foscari, Venezia, Italy
- 16 November 2015 Marie Skłodowska-Curie Actions: National Launch Day for the 2016-2017 calls, University "La Sapienza", Rome, Italy.
- 30 January 2014 ERC (European Research Council) e FET open (Future & Emerging Technologies) in Horizon 2020, Launch Day for the 2014-15 calls, MIUR, Rome, Italy.
- 26 May 2014 Launch Day for the calls of the Advanced Grant (AdG) of the European Research Council (ERC), University "La Sapienza", Rome, Italy.
- 2 December 2013 Launch Day for the 2014-2015 calls of the Marie Skłodowska-Curie Actions in Horizon 2020, MIUR, Rome, Italy.

## 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), 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*.

### **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.

### **Membership**

- 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)
- European Thyroid Association (ETA)
- Federation of the European Biochemical Societies (FEBS)
- Italian Society of Biochemistry (SIB)

### **International Networking and Consortium**

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).

### **Patents**

2000 International patent WO2000IT00447/EP1332149. “Glycerophosphoinositol derivatives as modulators of cytosolic phospholipase A<sub>2</sub>”.



- 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"

### Publications since 1999 (out of a total of 168)

1. 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)
2. 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)
3. 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- $\beta$  and stimulates synthesis of PtdIns (4,5)P<sub>2</sub> on the Golgi complex. *Nat. Cell Biol.* 1: 280-287 (1999)
4. 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)
5. Di Cerbo A. and **Corda D.** Signaling pathways involved in thyroid hyperfunction and growth in Graves' disease. *Biochimie* 81: 415-424 (1999)
6. 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)
7. 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)
8. 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)
9. 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)
10. 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)
11. Lupi R., **Corda D.**\* and Di Girolamo M. Endogenous ADP-ribosylation of the G-protein b subunit prevents the inhibition of type 1 adenylyl cyclase. *J. Biol. Chem.* 275: 9418-9424 (2000) \*Corresponding author
12. **Corda D.** and Berrie C.P. Ras. In: *Encyclopedia of Molecular Medicine*, John Wiley & Sons, vol. 4: 2732-2735 (2001)

13. Berrie C.P. and **Corda D.** Rap. In: *Encyclopedia of Molecular Medicine*, John Wiley & Sons, vol. 4: 2728-2732 (2001)
14. 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)
15. 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)
16. 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)
17. 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 $\beta$  prevents stimulation of phospholipase C- $\beta$ 2 and phosphoinositide 3 kinase. *Biochem. J.* 367: 825-832 (2002) \*Corresponding author
18. **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)
19. **Corda D.** and Di Girolamo M. Mono-ADP-ribosylation: a tool for modulating immune response and cell signalling. *Sci. STKE* 2002 (163): pe53 (2002)
20. Berrie C.P., Dragani L.K., van der Kaay J., Iurisci C., Brancaccio A., Rotilio D., **Corda D.** Maintenance of PtdIns45P<sub>2</sub> pools under limiting inositol conditions, as assessed by liquid chromatography-tandem mass spectrometry and PtdIns45P<sub>2</sub> mass evaluation in Ras-transformed cells. *Eur. J. Cancer* 38: 2463-2475 (2002)
21. **Corda D.**, Iurisci C. and Berrie C.P. Biological activities and metabolism of the lysophosphatidylinositols and glycerophosphoinositols. *Biochim. Biophys. Acta* 1582: 52-69 (2002)
22. De Matteis M.A., Godi A. and **Corda D.** The phosphoinositide and the Golgi Complex. *Curr. Opin. Cell Biol.* 14: 434-447 (2002)
23. 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
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