

GENNY DEL ZOTTO

CURRICULUM VITAE



h-index

Scopus: 21 (2872 citations)

Web of Science: 21 (2632 citations)

Scholar: 22 (3948 citations)

“Ordine Nazionale dei Biologi”
(National Biologist Society)

Identification number: PLV_A1770

ORCID n°
Web of Science ResearcherID
Scopus Author

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J-9694-2019
6507861494

WORK EXPERIENCE

Dates	1st March. 2012 (Current job)
Name and address of employer	G. Gaslini Institute Via Gaslini, 16146 Genova
Type of sector	Health and Research
Occupation or position held	Responsible of the Cytometric and cell imaging area of the Core Facilities
Main activities and responsibilities	Cytometric analysis, multiparametric panel design, immunophenotyping, cell sorting, functional tests
Dates	1st August. 2016 – 30 June 2020
Name and address of employer	Ospedale Pediatrico Bambino Gesù Rome
Type of sector	Research
Occupation or position held	Consultant for the Cytometric area of the Immunology Laboratories of Bambino Gesù Children’s Hospital, directed by Prof. Lorenzo Moretta
Main activities and responsibilities	Supervise instrumentation acquisition. Train researcher in multiparametric panel design and cell sorting
Dates	Dec 2010-Nov 2011
Name and address of employer	Università degli Studi di Urbino “Carlo Bo” Via Bramante 2, 61029 Urbino
Type of sector	Research
Occupation or position held	Fellowship Researcher
Main activities and responsibilities	Research on melatonin and its analogous

Dates	Academic Year 2010-2011
Name and address of employer	Università degli Studi di Urbino "Carlo Bo" Via Bramante 2, 61029 Urbino
Type of sector	Education
Occupation	Professor of Immunology at the Biology degree course
Main activities	Teaching Immunology at the students of the second year of Biology
Dates	From 2009
Name and address of employer	Università degli Studi di Urbino "Carlo Bo" Via Bramante 2, 61029 Urbino
Sector	Education
Occupation or position held	Appointed "expert in the field of Human Anatomy" by the Science Faculty Council of Urbino University, starts to work as assistant of the anatomy Professor
Dates	2007-2010
Name and address of employer	Università degli Studi di Urbino "Carlo Bo" Via Bramante 2, 61029 Urbino
Sector	Research
Occupation or position held	PhD student with fellowship Research in the field of immunology and cell function, mainly focused on NK cells
Dates	2000-2007
Name and address of employer	Università degli Studi di Urbino "Carlo Bo" Via Bramante 2, 61029 Urbino
Sector	Clinical analysis and research
Occupation or position held	Technician
Dates	Jan-June 2006
Name and address of employer	Laboratory of Clinical and Tumor Immunology, Department of Internal Oncology, Erasmus University, Rotterdam (NL)
Occupation or position held	Immunology and onco-hematology, immunophenotyping
Certificate	Europass Mobility n° IT/00/2006/346/38/NL/10
Main activities	Immunophenotyping in the field of immunology and onco-hematology and other cytometric analysis and tests
Dates	2001-2007
Name and address of employer	Università degli Studi di Urbino "Carlo Bo" Via Bramante 2, 61029 Urbino
Type of sector	Education
Occupation	Scientific and technical consultant

Main activities Planning and administration of Master degrees belonging to the Faculty of Science and funded by the Regional Authority or by the European Community

EDITORIAL ROLES

- Cytometry part A: Associate Editor, Section Editor, and Editorial Board member
- Frontiers in Immunology: Review Editor (T cell Biology)
- Frontiers in Immunology: Review Editor (NK and Innate Lymphoid Cell biology)
- Frontiers in Molecular and Cellular Pathology Guest Associate Editor from March 2022

PROFESSIONAL MEMBERSHIP

- European Society for Clinical Cell Analysis (ESCCA)
Role: Education Committee member.
- Italian Society for Cytometric Cell Analysis (ISCCA)
Role: Secretary (2016-2018) and from June 2022 on
Role: Co-Founder and Board member (2016-present)
- Società di Immunologia, Immunologia Clinica e Allergologia (SIICA)
Role: Member
- International Society for Advancement in Cytometry (ISAC)
Role: Congress Program Committee member from October 2021 on
Role: Associated Societies Committee Member from June 2022 on
- Board Member of the Order of Biologists of Piemonte, Liguria e Valle d'Aosta 2022-2026

EDUCATION AND TRAINING

Name and type of organization providing education and training

Università degli Studi di Urbino "Carlo Bo"

Thesis

Physiological role of IL-2 and IL-15 in the development of highly cytotoxic NK cells

Title of qualification awarded

PhD

Name and type of organization providing education and training

Università degli Studi di Urbino "Carlo Bo"

Thesis

Cancer Stem Cells

Title of qualification awarded

Degree in Biology

ORGANIZATIONAL SKILLS AND COMPETENCES

From 2012, as responsible of the Cytometric and cell imaging area of a Core Facilities, has developed new projects with several research groups belonging to Gaslini Hospital, University of Genoa, University of Chieti, Verona's Hospital, Bambino Gesù Children Hospital and Harvard University.

From 2001 to 2007 planned, organized and administrated, both by a scientific and by a financial point of view, several Master degrees (i.e. Master in Cytometry of first and second level) belonging to the Faculty of Science and funded by the Regional Authority or by the European Community

PATENT

Title	Methods for treating cancer by targeting Nidogen-1
Patent number	WO2019206974
Publication	31.10.2019
Abstract	This invention relates to methods of treating or preventing cancers such solid tumors, as well as other disease relating to excessive or insufficient immune responses, arising from the discovery of natural ligands of NKp44 that mediate immunosuppression.
Authors and owners	Cantoni C, Vitale M, Moretta L, Moretta S, Moretta L, Del Zotto G.

CONFERENCE AND COURSES

SPEECHES

“Haematopoietic antigens expressed on neuroblastoma SK-N-MC cells”. B. Canonico, F. Luchetti, C. Felici, N. Mensali, G. Del Zotto, E. Fucili, S. Papa and L. Zamai. *European Journal of Histochemistry*, 45/suppl. 1, 2001, Abstracts, pag. 41.

“Terminal erythroid differentiation shows features typical of apoptosis” L. Zamai, F. Luchetti, B. Canonico, S. Burattini, C. Felici, G. Del Zotto, M. D’Atri, E. Falcieri, S. Papa. XVIII Conferenza Nazionale di Citometria, Chioggia, 2001, Proceedings of the XVIII National meeting, pag. 109.

“TRAIL effects in normal and leukemic erythroid cells” L. Zamai, B. Canonico, F. Luchetti, C. Felici, A. Zucchini, G. Del Zotto, M. Vitale, M. Della Felice, E. Melloni, R. Di Pietro, S. Papa. XXI Congress of the International Society for Analytical Cytology, 2002, *Cytometry*, 50(2): suppl. 11, pag 32.

“Intracellular antigen detection by flow cytometry” L. Zamai, B. Canonico, F. Luchetti, M. Della Felice, C. Felici, C. Masoni, Genny Del Zotto, S. Papa, Proceeding of the XX National Conference of Cytometry, *European J. of Histochemistry*, vol. 47/suppl. 2, pag. 26, 2003.

“Intracytoplasmatic KIR detection”. G. Del Zotto, G. Cugia, P. Boi, A. Manti, J. E. O’Connor, G. Herrera, F. Centis, S. Papa, L. Zamai. XXVI Conferenza Nazionale di Citometria, Ferrara, 2009. In *Cytometry Part A*. 2010; 77A: 181 (Proceeding of the XXVII National Conference of Cytometry. Ferrara, 14-17 October 2009).

“High survival of frozen PBMCs irradiated with gamma radiation”. Giulia Cugia, Genny Del Zotto, Filippo Centis, Massimo Valentini, Stefania Stramigioli, Werther Cesarini, Giampaolo Zini, Stefano Papa and Loris Zamai. *Cytometry Part A*. 2010, 77A: 158 (Proceeding of the XXVII National Conference of Cytometry. Ferrara, 14-17 October 2009).

Coordinator and professor in the Course on Functional Cytometry, held in the Laboratory of Cytomics during the International Course on Clinical Cell Analysis, organized by the European Society of Clinical Cell Analysis (ESCCA) and held in Valencia, Spain – 21/25 September 2010.

“Cryogenic temperature protects biological material from gamma ray induced effects” G. Cugia, F. Centis, A. Lucarini, G. Del Zotto, M. Dattena. IJAE. 2010; 115(1/2 - Supplement).

Evaluation of the Degranulation and Polarization Processes Induced by Different NK Activatory and Coactivatory Receptors. F. Buccella; G. Del Zotto; A. Lucarini; B. Canonico; F. Luchetti; S. Papa; L. Zamai. Cytometry Part A. 2011, 79(12): 1056.

“Confocal microscopy evaluation of the polarization induced by different NK activatory and co-activatory receptors”. F: Buccella, G. Del Zotto, A. Lucarini, B. Canonico, F. Luchetti, S. Papa and L. Zamai. Proceedings MCM 2011- September 4-9, 2011-Urbino, Italy

“LFA-1 antigen identifies immature stages of human NK cell differentiation”. G. Del Zotto, F. Buccella, B. Canonico, F. Luchetti, F. Palma, S. Papa, L' Zamai. 65° Congresso della Società Italiana di Anatomia e Istologia. Padova, 27-29 settembre 2011.

“BAT: Test di attivazione dei basofili nella diagnostica allergologica”. Francesca Antonini, Alessia Agazzi, Andrea Petretto, Genny Del Zotto, Giovanni Melioli. III congresso Nazionale della Federazione delle Società Italiane di Immunologia, Allergologia e Immunologia Clinica. Verona, 2-5 maggio 2012.

“A step toward personalized allergic tests”. Del Zotto G, Antonini F, Moretta A. “10th international conference on innate immunity” – Double Tree Conference Center, Kos, Greece – 23-28 June 2013

Invited speaker at the Summer School in Cytometry “Cytometric techniques in cell function study” held in Urbino 1-6 July 2013.

Coordinator and tutor of the Course on “Screening and Monitoring for Immune Deficiency”, held during the International Course on Clinical Cell Analysis, organized by the European Society of Clinical Cell Analysis (ESCCA) in Luxemburg, Luxemburg – 15/17 November 2013.

Speaker at the training course “Facilities and new technologies: from research to clinic” held in Genoa, Italy, during 2014

Organizer, speaker, and tutor of the Course on “Flow cytometric methods in Immunology”, held during the International Course on Clinical Cell Analysis, organized by the European Society of Clinical Cell Analysis (ESCCA) in Taormina, Italy – 30 September/3 October 2015.

Invited speaker at the congress “Smart Science” held in Catania, Italy, 25-26 February 2016.

Invited speaker at the 39th Congress of the Spanish Society of Immunology held in Alicante, Spain, 5-7 May 2016.

Organizer and speaker of the Course on “Advanced Immunology”, held during the International Course on Clinical Cell Analysis, organized by the European Society of Clinical Cell Analysis (ESCCA) in Edinburgh, Scotland – 11-15 September 2016.

Invited speaker at the meeting on “High Speed Cell Sorting: l’alta tecnologia a servizio della ricerca” held in Turin, Candiolo Cancer Institute IRCCS, 11th November 2016

Invited speaker at the congress “Smart Science” held in Catania, Italy, 26-27 February 2017.

Invited teacher and chairman at the congress “Seconda Riunione Nazionale ISCCA” held in Bologna, Italy, 8-10 May 2017.

Invited speaker at the congress “XI national congress of the Italian SIICA” held in Bari, Italy, 28th-31st May 2017.

Organizer of the Course on “Advanced Immunology”, held during the International Course on Clinical Cell Analysis, organized by the European Society of Clinical Cell Analysis (ESCCA) a Thessaloniki, Greece, 24-27 September 2017.

Scientific committee member and chairman at the Congress “ESCCA 2017 - Cytometry at the crossroads of cultures” held in Thessaloniki, Greece, 24-27 September 2017

Invited teacher of the “Advanced Immunology” course, held during the International Course on Clinical Cell Analysis, organized by the European Society of Clinical Cell Analysis (ESCCA) in Valencia, Spain – 11-15 September 2018

Invited teacher and chairman at the congress “Terza Riunione Nazionale ISCCA” held in Rome, 8-10 November 2018.

Invited teacher and tutor at the ISCCA Winter School “Il ruolo della Citometria nella Ricerca biologica: un approccio teorico-pratico” held in Urbino, 4-7 December 2018

Teacher (4h) in the course of «Molecular Pathology with Laboratory», Master Degree in Medical-Pharmaceutical Biotechnology of the University of Genova, Academic Year 2018-2019.

Scientific committee member and chairman at the congress “Highlights in Immunology and Oncohaematology” held in Rome, 18-19 June 2019

Invited teacher and tutor at the ESCCA Summer School “Flow Cytometry for Immunology” held in Kos, Greece, 20-23 June 2019

Organizer, speaker and Chairman at the ISCCA Fourth National Meeting held in Urbino, Italy, 6-9 July 2019

Invited speaker at the congress organized by the European Society of Clinical Cell Analysis (ESCCA) in Bergen, Norway – 18-21 September 2019

Invited Speaker at the University of Siena holding a seminar entitled “Basophil Activation Test” – 7th February 2020

Teacher (4h) in the course of «Molecular Pathology with Laboratory», Master Degree in Medical-Pharmaceutical Biotechnology of the University of Genova, Academic Year 2019-2020.

Organizer and chairman at the 5° ISCCA meeting “Virtual ISCCA 2020” – 5th November 2020

Organizer and chairman at the 1° ISCCA webinar “New perspectives in immunology” – 16th December 2020

Invited speaker of the webinar “Come standardizzare la funzionalità di un citofluorimetro: calibrazione e compensazione” organized by Miltenyi – 9th April 2021

Invited Speaker at the University of Genova holding a seminar entitled “Imaging Flow Cytometry: a different approach to Flow Cytometry” – 29th April 2021

Teacher (4h) in the course « Molecular Pathology with Laboratory», Master Degree in Medical-Pharmaceutical Biotechnology of the University of Genova, Academic Year 2020-2021.

Invited Speaker at the University of Genova holding a seminar entitled “Basophil Activation Test: when and why” – 13th May 2021

Organizer and chairman at the ISCCA Congress “ISCCA Virtual 2021” – 19th-21st May 2021

Chairman at the Publishing Lounge of ISAC congress “CYTO Virtual Interactive 2021” – 7th-10th June 2021

Chairman at the Congress “Highlight in Immunology” held in Rome, Accademia dei Lincei – 15-16th March 2022

Invited speaker at the ECM Congress “Patologie HPV - Prevenzione, Attualità Terapeutiche e Prospettive” – Lido di Camaiore, Lucca – 25th March 2022

Teacher (4h) during «Molecular Pathology with Laboratory», master’s degree in Medical-Pharmaceutical Biotechnology of the University of Genova, Academic Year 2021-2022.

Organizer and chairman at the 6° ISCCA National Meeting, held in Catania – 25th.27th May 2022

Organizing committee member and chairman at CYTO 2022, held in Philadelphia, USA, 3rd-7th June 2022.

Scientific Committee Member and chairman at ESCCA 2022 held in Belfast, Ireland, 22nd-24th September 2022.

Teacher (4h) during «Molecular Pathology with Laboratory», master's degree in medical-Pharmaceutical Biotechnology of the University of Genova, Academic Year 2022-2023.

Invited opening lecture speaker at the 12th Congress of the Hellenic Cytometric Society held in Kalamata, Greece, 12-14 May 2023

Program committee member, speaker and chairman at CYTO 2023, held in Montreal, Canada, 20th-24th May 2023.

Organizer and chairman at the 7^o ISCCA Virtual Meeting – 30th-31st May 2023

Speaker at “Giornate della Ricerca” – Istituto Giannina Gaslini, Genova 19-20 June 2023

Books

«Flow Cytometry Today» - Everything You Need to Know about Flow Cytometry. Claudio Ortolani, Papa S, Whitby L, Canonico B, Brando B, Buoro S, D'Atri M, **Del Zotto G**, Tecchi A. *Springer*. 2022; ISBN: 978-3-031-10836-5. Doi: 10.1007/978-3-031-10836-5

PUBLICATIONS

CD 135. **Del Zotto G**, Lucchetti F, Zamai L. *J. Biol. Regul. Homeost. Agents*. 2001; 15: 103-6. PMID: 11388739. WOS: 000168757500018.

CD 90. Zucchini A, **Del Zotto G**, Canonico B. *J. Biol. Regul. Homeost. Agents*. 2001; 15: 82-5. PMID: 11388749. WOS: 000168757500012.

CD 122. Zamai L, **Del Zotto G**, Papa S. *J. Biol. Regul. Homeost. Agents*. 2001; 15: 95-7. PMID: 11388752. WOS: 000168757500015.

Identification of a NCR+/NKG2D+/LFA-1low/CD94- Immature Human NK Cell Subset. Zamai L, Galeotti L, **Del Zotto G**, Canonico B, Mirandola P, Papa S. *Cytometry Part A*. 2009; 75 (11): 893-901. doi: 10.1002/cyto.a.20789. PMID: 19743412. WOS: 000271498500002.

Impiego del gene PIG-A come gene sentinella per la valutazione delle mutazioni indotte da raggi X su cellule congelate mediante Citometria a flusso. Cugia G, Lucarini A, Centis F, **Del Zotto G**, Argazzi E, Bono M, Zini G, Valentini M, Picardi F, Cesarini W, Stramigioli S, Fusco E, Zamai L. *Letter GIC*. 2010; 19(2): 25-8.

High Survival of Frozen Cells Irradiated with Gamma Radiation. Cugia G, Centis F, **Del Zotto G**, Lucarini A, Argazzi E, Zini G, Valentini M, Bono M, Picardi F, Stramigioli S, Cesarini W and Zamai L. *Radiat Prot Dosimetry*; 2011; 143(2-4):237-40. doi: 10.1093/rpd/ncq541. PMID: 21186220. WOS: 000288022300021.

Valutazione dei processi di degranulazione e polarizzazione delle cellule NK indotti dalla stimolazione di diversi recettori attivatori e co-attivatori. Buccella F, Del Zotto

G, Lucarini A, Canonico B, Luchetti F, Papa S, Zamai L. *Letter GIC*. 2012; 21(2): 18-21.

Cytotoxic functions and susceptibility to apoptosis of human CD56bright NK cells differentiated in vitro from CD34+ hematopoietic progenitors. Zamai L, **Del Zotto G**, Buccella F, Galeotti L, Canonico B, Luchetti F, and Papa S. *Cytometry Part A*. 2012; 81(4):294-302. doi: 10.1002/cyto.a.22025. PMID: 22319021. WOS: 000301787100007.

Human NK cell receptors/markers: a tool to analyze NK cell development, subsets and function. *Montaldo E, **Del Zotto G**, Della Chiesa M, Mingari MC, Moretta A, De Maria A and Moretta L. *Cytometry Part A*. 2013 Aug;83(8):702-13 doi: 10.1002/cyto.a.22302. PMID: 23650273. WOS: 000330246000005.

* E. Montaldo and G. Del Zotto equally contributed to the paper.

Human NK cells: from surface receptors to the therapy of leukemias and solid tumors. Moretta L, Pietra G, Montaldo E, Vacca P, Pende D, Falco M, **Del Zotto G**, Locatelli F, Moretta A, Mingari MC. *Front. Immunol*. 2014 Mar 7;5:87. doi: 10.3389/fimmu.2014.00087. PMID: 24639677. WOS: 000354057400001.

Human Natural Killer Cells: origin, receptors, function, and clinical applications. Moretta L, Montaldo E, Vacca P, **Del Zotto G**, Moretta F, Merli P, Locatelli F, Mingari MC. *Int Arch Allergy Immunol*. 2014; 164(4): 253-64. doi: 10.1159/000365632. PMID: 25323661. WOS: 000343614500001.

The Memories of NK Cells: Innate-Adaptive Immune Intrinsic Crosstalk. Gabrielli S, Ortolani C, **Del Zotto G**, Luchetti F, Canonico B, Buccella F, Artico M, Papa S, and Zamai L i. *Journal of Immunology Research* 2016, vol. 2016:1376595. doi: 10.1155/2016/1376595. PMID: 28078307. WOS: 000391622500001.

Markers and function of human NK cells in normal and pathological conditions. **Del Zotto G**, Marcenaro E, Vacca P, Sivori S, Pende D, Della Chiesa M, Moretta F, Ingegnere T, Mingari MC, Moretta A, Moretta L. *Cytometry B Clin Cytom*. 2017 Mar;92(2):100-114. doi: 10.1002/cyto.b.21508. PMID: 28054442. WOS: 000401341300003.

In Vitro Recapitulation of the Site-Specific Editing (to Wild-Type) of IDS mRNA Transcripts, and Characterization of IDS Protein Translated from the Edited mRNAs. Lualdi S, **Del Zotto G**, Zegarra-Moran O, Corsolini F, Bruschi M, Amico G, Candiano G, Dardis A, Cooper DN and Filocamo M. *Hum Mutat*. 2017 Jul;38(7):849-862. doi: 10.1002/humu.23243. PMID: 2847738. WOS: 000403352100010.

Cryopyrin-associated periodic syndromes in Italian patients: evaluation of the rate of somatic NLRP3 mosaicism and phenotypic characterization. Lasigliè D, Mensa-Vilaro A, Ferrera D, Caorsi R, Penco F, Santamaria G, Di Duca M, Amico G, Nakagawa K, Antonini F, Tommasini A, Consolini R, Insalaco A, Cattalini M, Obici L, Gallizzi R, Santarelli F, **Del Zotto G**, Severino M, Rubartelli A, Ravazzolo R, Martini A, Ceccherini I, Nishikomori R, Gattorno M, Arostegui JI and Borghini S. *J*

Rheumatol. 2017 Sep 15. pii: jrheum.170041. doi: 10.3899/jrheum.170041. PMID: 28916543. WOS: 000414202500016.

Guidelines for the use of flow cytometry and cell sorting in immunological studies. Cossarizza A et al. *Eur J Immunol.* 2017 Oct;47(10):1584-1797. doi: 10.1002/eji.201646632. PMID: 29023707. WOS: 000415363800006.

Peripheral blood mononuclear cell immunophenotyping in Fibrodysplasia Ossificans Progressiva patients: evidence for monocyte DNAM1 up-regulation. **Del Zotto G**, Antonini F, Azzari I, Ortolani C, Tripodi G, Giacomelli F, Cappato S, Moretta L, Ravazzolo R, Bocciardi R. *Cytometry B Clin Cytom.* 2018 Jul;94(4):613-622. doi: 10.1002/cyto.b.21594. PMID: 28985649. WOS: 000441433900008.

Nidogen-1 is a novel extracellular ligand for the NKp44 activating receptor. Gaggero S, Bruschi M, Petretto A, Parodi M, **Del Zotto G**, Lavarello C, Prato C, Santucci L, Barbuto A, Bottino C, Candiano G, Moretta A, Vitale M, Moretta L, Cantoni C. *Oncoimmunology.* 2018 Jul 11;7(9):e1470730. doi: 10.1080/2162402X.2018.1470730. PMID: 30228939. WOS: 000443993100013.

Development and characterization of an inducible mouse model for glycogen storage disease type 1B. Raggi F, Pissavino AL, Resaz R, Segalerba D, Puglisi A, Antonini F, **Del Zotto G**, Gamberucci A, Marcolongo P, Bosco MC, Grillo F, Mastracci L and Eva A. *J Inherit Metab Dis.* 2018 Nov;41(6):1015-1025. doi: 10.1007/s10545-018-0211-2. PMID: 29967951. WOS: 000456023800017.

Anaphylactic shock during pediatric anesthesia: an unsuspected reaction to sevoflurane. Simonini A, Brogi E, Gily B, Tosca M, Barbieri C, Antonini F, **Del Zotto G**. *Front. Pediatr.* 2018 Sep 7;6:236. doi: 10.3389/fped.2018.00236. PMID: 30246003. WOS: 000444058400001.

Human natural killer cells and other innate lymphoid cells in cancer: Friends or foes? Vacca P, Munari E, Tumino N, Moretta F, Pietra G, Vitale M, **Del Zotto G**, Mariotti FR, Mingari MC, Moretta L. *Immunol Lett.* 2018 Sep;201:14-19. doi: 10.1016/j.imlet.2018.11.004. PMID: 30439479. WOS: 000455070700002.

Human NK cells: surface receptors, inhibitory checkpoints and translational applications. Sivori S, Vacca P, **Del Zotto G**, Munari E, Mingari Maria C, Moretta L. *Cell Mol Immunol.* 2019 May;16(5):430-441. doi: 10.1038/s41423-019-0206-4. PMID: 30778167. WOS: 000464963900003.

Accumulation of Circulating CCR7+ Natural Killer Cells Marks Melanoma Evolution and Reveals a CCL19-Dependent Metastatic Pathway. Cristiani CM, Turdo A, Ventura V, Apuzzo T, Capone ME, Madonna G, Mallardo D, Garofalo C, Giovannone ED, Grimaldi AM, Talerico R, Marcenaro E, Pesce S, **Del Zotto G**, Agosti V, Dr. Costanzo FS, Gulletta E, Rizzo A, Moretta A, Kärre K, Ascierto PA, Todaro M, Carbone E. *Cancer Immunol. Res.* 2019 May;7(5):841-852. doi: 10.1158/2326-6066.CIR-18-0651. PMID: 30940644. WOS: 000466761400014.

Proteomic Analysis of Urinary Microvesicles and Exosomes In Medullary Sponge Kidney Disease and Autosomal Dominant Polycystic Kidney Disease. Bruschi M, Granata S, Santucci L, Candiano G, Fabris A, Antonucci N, Petretto A, Bartolucci M, **Del Zotto G**, Antonini F, Ghiggeri GM, Lupo A, Gambaro G, Zaza G. *CJASN.* 2019

Jun 7;14(6):834-843. doi: 10.2215/CJN.12191018. PMID: 31018934. WOS: 000484915500010.

Phenotype Reports (Editorial). **Del Zotto G**, Preijers F, Tárnok A. *Cytometry A*. 2019 Jun;95(6):645-646. doi: 10.1002/cyto.a.23796. PMID: 31095846. WOS: 000475702500003.

Killer Ig-like receptors (KIRs): their role in NK cell modulation and developments leading to their clinical exploitation. Pende D, Falco M, Vitale M, Cantoni C, Vitale C, Munari E, Bertaina A, Moretta F, **Del Zotto G**, Pietra G, Mingari MC, Locatelli F, Moretta L. *Front. Immunol.* 2019 May 28;10:1179. doi: 10.3389/fimmu.2019.01179. PMID: 31231370. WOS: 000469269300001.

PD-1-PD-Ls checkpoint: insight on the potential role of NK cells. Pesce S, Greppi M, Grossi F, **Del Zotto G**, Moretta L, Sivori S, Genova C and Marcenaro E. *Front. Immunol.* 2019 Jun 4;10:1242. doi: 10.3389/fimmu.2019.01242. PMID: 31214193. WOS: 000470196800002.

Biological surface properties in extracellular vesicles and their effect on cargo proteins. Santucci L, Bruschi M, **Del Zotto G**, Antonini F, Ghiggeri GM, Panfoli I and Candiano G. *Sci Rep.* 2019 Sep 10;9(1):13048. doi: 10.1038/s41598-019-47598-3. PMID: 31506490. WOS: 000484988100022.

Guidelines for the use of flow cytometry and cell sorting in immunological studies (Second edition). Cossarizza A et al. *Eur J Immunol.* 2019 Oct; 49(10):1457-1973. doi: 10.1002/eji.201970107. PMID: 31633216. WOS: 000491166500003.

Summer School in Flow Cytometry for Immunology: Report From a Successful ESCCA Experience. Psarra K, **Del Zotto G**, Fleva A, Strati A, Tzanoudaki M, Della Bella S. 2019; *EJIFCC* Nov 25;30(4):438-451. PMID: 31832055. PMID: 31832055

Comprehensive phenotyping of human PB NK cells by Flow Cytometry. **Del Zotto G**, Antonini F, Pesce S, Moretta F, Moretta L, Marcenaro E. *Cytometry A*. 2020 Sep; 97(9):891-899. doi: 10.1002/cyto.a.24001. PMID: 32198974. WOS: 000522679000001.

Understanding the synergy of NKp46 and co-activating signals in various NK subpopulations: paving the way for more successful NK-cell-based immunotherapy. Zamai L, **Del Zotto G**, Buccella F, Gabrielli S, Canonico B, Artico M, Ortolani C and Papa S. *Cells* 2020 Mar 19; 9(3): 753. doi:10.3390/cells9030753. PMID: 32204481. WOS: 000529337400230.

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