

BARBARA GIOVANNONE

Via Giardino Giusti 13
37129 Verona, Italy
E-MAIL: barbara.giovannone@univr.it; bgiovannone@gmail.com
PHONE: +39 3298263211



PERSONAL

Date of birth: July 20, 1969
Nationality: Italian
Languages: English (fluent), Italian (native language), French (intermediate), Dutch (basic).

EDUCATION

University of Rome Tor Vergata, Italy Ph.D., Experimental Physiopathology	March 2000
University of Rome La Sapienza, Italy Laurea, Biological Sciences (cum laude)	October 1993

APPOINTMENTS

Technologist, Biotechnology Department, University of Verona, Italy.	Dec 2020-present
Researcher contract, Biotechnology Department, University of Verona, Italy.	January 2019-Dec 2020
Senior Research Assistant, University Medical Center, Utrecht, The Netherlands	March 2009 – January 2019
Research Associate in Medicine, Brown University, Providence, RI, USA	2001 - 2008
Postdoctoral Research Fellow at Harvard Medical School, Boston, MA, USA	2000 – 2001
Doctoral Candidate, University of Rome and Harvard Medical School, Boston, USA	October 1995 - March 2000
Fellow (Telethon) Department of Biology, University of Rome Tor Vergata, Italy	1995
Post-laurea internship, Neurobiology Institute, CNR Rome, Italy	1994

SUMMARY OF QUALIFICATIONS

Excellent analytical, interpersonal and teamwork skills, precise and flexible. Twenty years of working experience in intercultural and international teams. Several years of experience in working according to GCP (Good Clinical Practice) and SOPs (Standard Operating Procedures) in a ISO1900 certified laboratory.

Strong background in molecular biology, biochemistry and cell biology including culturing of bacteria, virus and eukaryotic cells, isolation of primary cells from human and mouse tissues. Expertise in mouse genetics and immunology of the skin. 2 years of experience in plant growth and isolation of high standard DNA isolation for NGS technologies. Eager to contribute with my work and expertise in translational research to support the development of innovative technologies and therapies for life-threatening diseases.

PROFESSIONAL EXPERIENCE

Technologist, Department of Biotechnology, Verona University.

- Managerial responsibilities:
Managing common lab equipment's and maintenance contracts. Managing the common animal cell culture room, training all new personnel to good laboratory practice.
- Scientific and technical responsibilities:
Co-teaching laboratory courses for Bachelor's degree in Biotechnology and Master degrees in Agri-food Biotechnology and Molecular and Medical Biotechnology. Preparation of the lab materials and supervision of students during courses.

- **Administrative responsibilities:**
Generating quotations for instruments and consumable, helping the ordering process and the administration following the receiving of the goods.
Serving as representative of the laboratory technicians in the Department Council and in the Department Head council (Giunta di Dipartimento), Participating in several department Committees.

Senior Postdoctoral position, Functional Genomic Laboratory, Department of Biotechnology, University of Verona. January 2019 to December 2021.

- **Managerial responsibilities:**
Assisting and training undergraduate and graduate students. Manage the overall organization of the laboratory in accordance with supervisors. Responsibility in waste management, instruments maintenance and samples organization and storage.
- **Scientific and technical responsibilities:**
Performing experiments involving high molecular weight DNA extractions of plants, algae and human samples. Experience in plant growth to generate materials for DNA isolations. Benchmarking of different methodologies and protocols to achieve quality DNA to perform Optical maps and third-generation sequencing. Get acquainted to NGS protocols and methodologies: library preparation and sequencing (PacBio, Illumina, HiC and 10x genomics).

**Senior Research Assistant, University Medical Center (UMC), Department of Dermatology and Allergology and Laboratory of Translational Immunology (LTI - JCI accredited, ISO9001-2015).
Utrecht, The Netherlands. March 2009 – January 2019.**

- **Managerial responsibilities:**
Assisting and training laboratory technical staff, undergraduate and graduate students in cell biology, molecular biology and histology-imaging.
Functioning as key and contact person between clinicians at the Department of Dermatology and the translational researchers of the LTI.
Performing, coordinating and overseeing experiments involving human skin (patient skin waste material and biopsies) within the LTI groups as well as for many collaborations with the UMC and affiliated institutions (Hubrecht Institute, University of Utrecht - Department of Pharmacy).
Managing the Biobank skin and the serum bank of the Department of Dermatology (quality and data management - coding of patient material in an anonymous way in close collaboration with research nurses).
Serving as lab manager of the histology facility for the LTI and other groups within the UMC including: supervision of the equipment, instrument training, problem-solving for users, assisting and overseeing researchers to perform immunohistochemistry and immunofluorescence staining techniques (both paraffin and frozen samples), general supervising of the whole facility.
Helping in project design that involves human patient materials to be submitted for approval to the “Medical Research Ethics Committee” of the UMC.
- **Scientific and technical responsibilities:**
Generating primary cell cultures from human skin to be used in 3D skin equivalent (keratinocytes, fibroblasts and immune cells).
Studying the effect of different stimuli in cytokine production in normal vs diseased skin.
Performing multiplex immunoassays based on Luminex xMAP technology to simultaneously assess ~160 molecules from patient material and culture supernatant (I am currently a member of the LTI Luminex Core facility).
Writing and reviewing standard operating procedure documents (SOPs).
Analyzing and interpreting data, preparing technical reports, and helping write publications and grant applications.
Carrying out research and organizing work in an independent manner coordinating several internal and external collaborators.

Research Associate in Medicine, Brown University, Division of Endocrinology - Hallett Diabetes Center, Albert Medical School, Providence RI, USA. 2001 –2008.

- Managerial responsibilities:
Managed and trained laboratory technical staff in molecular biology, cell biology and biochemistry techniques. Participated in training Brown Medical School undergraduate and graduate students. Help supervise their research projects on a day-to-day basis and teach techniques required for their projects.
Responsible for writing and presenting all the IACUC and DNA recombinant protocols, and submitting the annual progress reports and renewals.
Supervised radiation and safety training for all research groups of the Division of Endocrinology.
Ordering, budgeting and interacting with major companies and contractors.
Functioned as key and contact person for the whole Division of Endocrinology.
Organized and coordinated interdepartmental seminars, lab-meetings and journal clubs, and other teaching activities.
- Scientific and technical responsibilities:
Generated two knockout mouse models aimed at studying the role of two proteins (GIGYF1 and GIGYF2) in growth and neurodegeneration.
Managed and genotyped mouse colonies.
Performed *in vivo* study to investigate growth deficiency and neurodegeneration.
Established primary cell cultures derived from mutant mice.
Generated mammalian cell lines exhibiting inducible gene expression as well as cell lines transduced with adenoviral and retroviral vectors.
Analyzed and interpreted data, prepared technical reports, wrote publications, and assisted the PI in grant writing and submission.
Performed and organized work in a semi-independent manner with internal and external collaborators.
Presented data and gave seminars at numerous internal and external scientific meetings.

Pre- and Post-doctoral research fellow, Harvard Medical School - Joslin Diabetes Center, Boston, MA, USA. 1998 –2001.

- Performed a multitude of *in situ* and *in vitro* techniques to study insulin and IGF-I signaling pathways in type II diabetes context.
- Developed and established numerous laboratory techniques of molecular biology, cell biology and biochemistry.
- Helped principal investigator write independent and collaborative grants to obtain extramural research funding (e.g. American Diabetes Association, NIH RO1 grants).
- Published research and review articles in peer-reviewed journals.
- Presented data in numerous seminars within the Harvard medical community and at professional society meetings (e.g., American Diabetes Association, ENDO Meeting).
- Established international collaborations with several laboratories and thought leaders.

Ph.D. program in Experimental Physiopathology, Department of Internal Medicine, University of Rome Tor Vergata, Italy. Two-year program as exchange student at Harvard Medical School - Joslin Diabetes Center (Metabolism Section), Boston MA, USA. October 1995 – March 2000.

- Performed a multitude of *in situ* and *in vitro* techniques to study insulin and IGF-I signaling pathways, focusing on the role and expression of the IRS (Insulin Receptor Substrate) family of proteins.
- Developed and established numerous laboratory techniques in molecular and cellular biology and biochemistry.

Telethon Fellow, Department of Biology, University of Rome Tor Vergata, Italy. 1995

- Acquired extensive expertise in genetic analysis of populations with neurodegenerative diseases (Huntington disease, and spinocerebellar ataxias).
- Developed and established new methodologies to examine novel diagnostic markers for Huntington Disease.
- Organized and maintained DNA banks and relative family pedigrees.

National Research Council (CNR) Internship, Institute of Neurobiology, National Research Council, Rome, Italy. 1993 –1995

- Developed and perform experiments involving mammalian gene expression of the NGF (Nerve Growth Factor) receptors TrkA and TrkB.
- Performed biochemical and cellular assays to investigate the function of NGF receptors during neuronal differentiation.
- Acquired extensive skills for the optimization of neuronal cell line differentiation and other vitro cultures.
- Acquired extensive skills in molecular biology and mammalian gene expression.

FELLOWSHIPS AND RESEARCH SUPPORT

- American Diabetes Association-Mentor Base post-doctoral fellowship Award 2001-2004
- Telethon Fellowship from the Telethon grant E.0087 to Dr Novelletto, 1995

AWARDS AND RECOGNITION

- Award from the AEF-funded Department of Medicine and University Medicine Foundation Research Incentive program (2004).
- Travel Grant Award sponsored by the Endocrine Society for the abstract title: "GIGYF2 is an essential developmentally regulated with intrinsic transcription stimulating activity that may be linked to IGF-I and Insulin Receptors by the Grb10 adapter" (2005).
- Young Investigator Award Winner in basic research at the 14th Lifespan Research Celebration, Providence, RI (2006).

MEMBERSHIPS

- Member of Dutch Society of Immunology (NVVI) 2010-2018.
- Member of the European Society of Dermatology Research (ESDR) 2010-2016.

PEER-REVIEWED PUBLICATIONS (*H-Index=21*)

 <https://orcid.org/0000-0003-3143-1922>

1. Tiago Carvalheiro, Wioleta Marut, M. Inês Ramos, Samuel García, Devan Fleury, Alsya Affandi, Aniek S. Meijers, Barbara Giovannone, Ralph G. Tieland, Eline Elshof, Andrea Ottria, Marta Cossu, Matthew L. Meizlish, Tineke Veenendaal, Nalan Liv, Timothy R.D.J. Radstake, Linde Meygaard. Impaired LAIR-1-mediated immune control due to collagen degradation in fibrosis. *Cell Rep.* 2022 Jan 4;38(1):110189. doi: 10.1016/j.celrep.2021.110189.
2. Luciano Calderón, Simone Maestri, Giorgio Gambino, Andrea Minio, Irene Perrone, Emanuela Cosentino, Barbara Giovannone, Giulia Lopatriello, Luca Marcolungo, Dario Cantu, Marzia Rossato, and Massimo Delledonne Genomic structural variation in 'Nebbiolo' grapevines at the individual, clonal and cultivar levels *BMC Genomics.* 2022 Feb 24;23(1):159. doi: 10.1186/s12864-022-08389-9.
3. Angiolilli, Chiara; Leijten, Emmerik F.A.; Bekker, Cornelis P.J.; Eeftink, Ella; Giovannone, Barbara; Olde Nordkamp, Michel A.M.; van der Wal, Maria M; Thijs, Judith L; Vastert, Sebastiaan J. ; van Wijk, Femke; Radstake, Timothy R.D.J.; van Loosdregt, Jorg. ZFP36 family members regulate the pro-inflammatory features of psoriatic dermal fibroblasts. *J Invest Dermatol.* 2022 Feb;142(2):402-413. doi: 10.1016/j.jid.2021.06.030.
4. Alsya J. Affandi, Tiago Carvalheiro, Andrea Ottria, Judith J. de Haan, Maïke A.D. Brans, Maarten M. Brandt, Ralph G. Tieland, Beatriz Malvar Fernández, Cornelis P.J. Bekker, Maarten van der Linden, Maili Zimmermann, **Barbara Giovannone**, Catharina G.K. Wichers, Samuel Garcia, Yan Juan Xu, M. Anna Kowalska, Maaïke Waasdorp, Caroline Cheng, Susan Gibbs, Saskia C.A. de Jager, Joel A.G. van Roon, Timothy R.D.J. Radstake, Wioleta Marut. CXCL4 drives fibrosis by promoting several key cellular and molecular processes. *Cell Rep.* 2022 Jan 4;38(1):110189. doi: 10.1016/j.celrep.2021.110189.
5. Kai Kretzschmar, Kim E. Boonekamp, Margit Bleijs, Priyanca Asra, Mandy Koomen, Susana M. Chuva de Sousa Lopes, **Barbara Giovannone** and Hans Clevers. Troy/Tnfrsf19 marks epidermal cells that govern interfollicular epidermal renewal and cornification. *Stem Cell Reports*, 2021, 16(9), pp. 2379–2394 doi:10.1016/j.stemcr.2021.07.007
6. Luca Marcolungo; Cristina Beltrami; Chiara Degli Esposti; Giulia Lopatriello; Chiara Piubelli; Antonio Mori; Elena Pomari; Michela Deiana; Salvatore Scarso; Zeno Bisoffi; Valentina Grosso; Emanuela Cosentino; Simone

- Maestri; Denise Lavezzari; Barbara Iadarola; Marta Paterno; Elena Segala; **Barbara Giovannone**; Martina Gallinaro; Marzia Rossato. ACoRE: Accurate SARS-CoV-2 genome reconstruction for the characterization of intra-host and inter-host viral diversity in clinical samples and for the evaluation of re-infections. Genomics 2021 Apr 8;113(4):1628-1638. doi: 10.1016/j.ygeno.2021.04.008.
7. DS Bakker; MM van der Wal; LEM Heeb, **B Giovannone**; M Asamoah; EM Delemarre; J Drylewicz; S Nierkens; EF Knol; O Boyman; MS de Bruin-Weller; JL Thijs; F van Wijk. Early and long-term effects on circulating T-cells functional skewing in moderate-to-severe atopic dermatitis patients treated with dupilumab. Journal of Investigative Dermatology, 2021, 141(8), pp. 1943–1953.e13 <https://doi.org/10.1016/j.jid.2021.01.022>
 8. Daphne S. Bakker; Stefan Nierkens; Edward F. Knol; **Barbara Giovannone**; Eveline M. Delemarre; Jorien van der Schaft; Femke van Wijk; Marjolein S. De Bruin-Weller; Julia Drylewicz; Judith L. Thijs. Confirmation of multiple endotypes in atopic dermatitis based on serum biomarkers. J Allergy Clin Immunol. Volume 147, Issue 1, January 2021, Pages 189-198
 9. Sandra C Silva-Cardoso, Weiyang Tao, Chiara Angiolilli, Ana P Lopes, Cornelis Bekker, Abhinandan Devaprasad, **Barbara Giovannone**, Jaap Van Laar, Marta Cossu, Wioleta Marut, Erik Hack, Rob J De Boer, Marianne Boes, Timothy R D J Radstake and Aridaman Pandit. CXCL4 links inflammation and fibrosis by reprogramming monocyte-derived dendritic cells. Front Immunol. 2020 Sep 17;11:2149
 10. Helen J. von Richthofen, Doron Gollnast, Toni M.M. van Capel, **Barbara Giovannone**, Geertje H.A. Westerlaken, Lianne Lutter, Bas Oldenburg, DirkJan Hijnen, Michiel van der Vlist, Esther C. de Jong, Linde Meyaard. Signal Inhibitory Receptor on Leukocytes-1 is differentially expressed on human phagocyte subsets in blood and barrier tissues. Cell Immunol. 2020 Nov;357:104199.
 11. D S. Bakker; Lieneke F.M. Ariens; **Barbara Giovannone**; DirkJan Hijnen; Eveline Delemarre; Edward Knol; Stefan Nierkens; Marjolein S. de Bruin-Weller; Judith L. Thijs; Julia Drylewicz. · EASI p-EASI: predicting disease severity in atopic dermatitis patients treated with Dupilumab. Allergy 2020 July, 00:1-3
 12. Carvalheiro T, Samuel Garcia, M. Inês Pascoal Ramos, **Barbara Giovannone**, Timothy R.D.J. Radstake, Wioleta Marut, Linde Meyaard. Leukocyte associated immunoglobulin like receptor 1 regulation and function on monocytes and dendritic cells during inflammation. Front. Immunol., 19 August 2020 | <https://doi.org/10.3389/fimmu.2020.01793>
 13. Michela Cecchin; Silvia Berteotti; Stefania Paltrinieri; Ivano Vigliante; Barbara Iadarola; **Barbara Giovannone**; Massimo E. Maffei; Massimo Delledonne; Matteo Ballottari. Improved lipid productivity in Nannochloropsis gaditana in nitrogen replete conditions by selection of pale green mutants. Biotechnol Biofuels. 2020 Apr 21;13:78.
 14. Carvalheiro T, Malvar Fernández B, Ottria A, **Giovannone B**, Marut W, Reedquist KA, Garcia S, Radstake TR. Extracellular SPARC cooperates with TGF- β signalling to induce pro-fibrotic activation of systemic sclerosis patient dermal fibroblasts. Rheumatology 2019 Dec; 0:1–6
 15. Ariëns LFM, van der Schaft J, Bakker DS, Balak D, Romeijn MLE, Kouwenhoven T, Kamsteeg M, **Giovannone B**, Drylewicz J, van Amerongen CCA, Delemarre EM, Knol EF, van Wijk F, Nierkens S, Thijs JL, Schuttelaar MLA, de Bruin-Weller MS. Dupilumab is very effective in a large cohort of difficult-to-treat adult atopic dermatitis patients: First clinical and biomarker results from the BioDay registry. Allergy. 2020 Jan;75(1):116-126
 16. Bakker DS, Drylewicz J, Nierkens S, Knol EF, **Giovannone B**, Delemarre EM, van der Schaft J, Balak DMW, de Bruin-Weller MS, Thijs JL. Early identification of atopic dermatitis patients in need of systemic immunosuppressive treatment. Clin Exp Allergy. 2019 Dec;49(12):1641-1644
 17. Mertens JS, de Jong EMGJ, van den Hoogen LL, Wienke J, Thurlings RM, Seyger MMB, Hoppenreijns EPAH, Wijngaarde CA, van Vlijmen-Willems IMJJ, van den Bogaard E, **Giovannone B**, van Wijk F, van Royen-Kerkhof A, Marut W, Radstake TRD. The identification of CCL18 as biomarker of disease activity in localized scleroderma. J Autoimmun. 2019 Jul; 101:86-93.
 18. Carvalheiro, T.; Affandi, A.; Malvar Fernandez, B.; Dullemond, I.; Cossu, M.; Ottria, A.; Mertens, J.; **Giovannone, B.**; Marut, W.; Reedquist, K.; Radstake, T.; Garcia Perez, S. Semaphorin4A coordinately induces inflammation and fibrosis in systemic sclerosis. Arthritis Rheumatol. 2019 Oct;71(10):1711-1722.
 19. Thijs J.L, Fiechter R, **Giovannone B**, de Bruin-Weller M.S, Knol E, Bruijnzeel-Koomen C, Drylewicz J, Nierkens S, Hijnen D.J. Biomarkers detected in dried blood spots from atopic dermatitis patients strongly correlate with disease severity. Allergy. 2019 Nov;74(11):2240-2243
 20. Thijs J.L, Drylewicz J, Bruijnzeel-Koomen C, **Giovannone B**, Knol E, de Bruin-Weller M.S, Nierkens S, Hijnen D.J. EASI p-EASI: predicting disease severity in atopic dermatitis patients treated with Cyclosporin A. Allergy. 2019 Mar;74(3):613-617

21. Petrelli A, Mijnheer G, van Konijnenburg D, Meerding J, **Giovannone B**, Mocholi-Gimeno E, Vazirpanah N, Broen J, Hijnen DJ, Oldenburg B, Paul Coffey, Vastert S, Prakken B, Spierings E, Mokry M, van Wijk F. PD-1⁺ CD8 T cells are a unique population of clonally expanding tissue resident effectors in human chronic inflammation. J Clin Invest. 2018 Oct 1;128(10):4669-4681
22. Chouri E, Servaas N, Bekker C, Affandi A, Cossu M, Hillen M, Angiolilli C, Mertens M, van den Hoogen L, Silva-Cardoso S, van der Kroef M, Vazirpanah N, Wichers C, Ferreira-Carvalho T, Blokland S, **Giovannone B**, Porreti L, Marut W, Vigone B, van Roon J, Beretta L, Rossato M and Radstake R. Serum microRNA screening and functional studies reveal miR-483-5p as a potential driver of fibrosis in systemic sclerosis. J Autoimmun. 2018 May; 89:162-170
23. Thijs J.L. Strickland I., Bruijnzeel-Koomen C., Nierkens S., **Giovannone B.**, Knol E., Csomor E., Sellman B., Mustelin T.M., Sleeman M., de Bruin-Weller M.S., Herath A., Drylewicz J., May R.D., and Hijnen D. Serum biomarker profiles suggest that atopic dermatitis is a systemic disease. J Allergy Clin Immunol. 2018 Apr;141(4):1523-1526
24. Scholman RC, **Giovannone B**, Hiddingh S, Meerding JM, Malvar Fernandez B, van Dijk MEA, Tempelman MJ, Prakken BJ, de Jager W. Effect of anticoagulants on 162 circulating immune related proteins in healthy subjects. Cytokine. 2018 Jun; 106:114-124
25. Kabala PA, Angiolilli C, Yeremenko N, Grabiec AM, **Giovannone B**, Pots D, Radstake TR, Baeten D, Reedquist KA. Endoplasmic reticulum stress cooperates with Toll-like receptor ligation in driving activation of rheumatoid arthritis fibroblast-like synoviocytes. Arthritis Res Ther. 2017 Sep 18;19(1):207.
26. Thijs JL, Drylewicz J, Fiechter R, Strickland I, Sleeman MA, Herath A, May RD, Bruijnzeel-Koomen CAFM, Knol EF, **Giovannone B**, de Bruin-Weller MS, Nierkens S, Hijnen DJ. EASI p-EASI: Utilizing a combination of serum biomarkers offers an objective measurement tool for disease severity in atopic dermatitis patients. J Allergy Clin Immunol. 2017 Dec;140(6):1703-1705.
27. Thijs JL, Strickland I, Bruijnzeel-Koomen CAFM, Nierkens S, **Giovannone B**, Csomor E, Sellman BR, Mustelin T, Sleeman MA, de Bruin-Weller MS, Herath A, Drylewicz J, May RD, Hijnen D. Moving toward endotypes in atopic dermatitis: Identification of patient clusters based on serum biomarker analysis. J Allergy Clin Immunol. 2017 Sep;140(3):730-737. [Epub 2017 Apr 13].
28. Hillen MR, Moret FM, **Giovannone B**, Kruize AA, Radstake TR, van Roon JA. Size matters: decreased glandular levels of anti-inflammatory short thymic stromal lymphopoietin in primary Sjögren's syndrome. Clin Exp Rheumatol. 2016 Sep-Oct;34(5):959-960.
29. Landheer J¹, **Giovannone B**¹, Sadekova S, Tjabringa S, Hofstra C, Dechering K, Bruijnzeel-Koomen C, Chang C, Ying Y, de Waal Malefyt R, Hijnen D, Knol E. TSLP is differentially regulated by vitamin D3 and cytokines in human skin. Immun Inflamm Dis. 2015 Mar;3(1):32-43. ¹ *These authors contribute equally to the work.*
30. Thijs JL, Nierkens S, Herath A, Bruijnzeel-Koomen CA, Knol EF, **Giovannone B**, de Bruin-Weller MS, Hijnen D. A panel of biomarkers for disease severity in atopic dermatitis. Clin Exp Allergy. 2015 Mar;45(3):698-701.
31. Landheer J, **Giovannone B**, Mattson JD, Tjabringa S, Bruijnzeel-Koomen CA, McClanahan T, de Waal Malefyt R, Knol E, Hijnen D. Epicutaneous application of house dust mite induces thymic stromal lymphopoietin in nonlesional skin of patients with atopic dermatitis. J Allergy Clin Immunol. 2013 Nov;132(5):1252-4.
32. Hijnen D, Knol EF, Gent YY, **Giovannone B**, Beijin SJ, Kupper TS, Bruijnzeel-Koomen CA, Clark RA. CD8(+) T cells in the lesional skin of atopic dermatitis and psoriasis patients are an important source of IFN- γ , IL-13, IL-17, and IL-22. J Invest Dermatol. 2013 Apr;133(4):973-9.
33. Oostvogels R, Minnema MC, van Elk M, Spaapen RM, te Raa GD, **Giovannone B**, Buijs A, van Baarle D, Kater AP, Griffioen M, Spierings E, Lokhorst HM, Mutis T. Towards effective and safe immunotherapy after allogeneic stem cell transplantation: identification of hematopoietic-specific minor histocompatibility antigen UTA2-1. Leukemia. 2013 Mar;27(3):642-9.
34. Knol EF, Haack IM, van Kraats AA, Laaper-Ertmann M, **Giovannone B**, Hijnen D, Nijhuis E, de Bruin-Weller MS, Knol MJ, Bruijnzeel-Koomen CA. Modulation of lymphocyte function in vivo via inhibition of calcineurin or purine synthesis in patients with atopic dermatitis. J Invest Dermatol. 2012 Oct;132(10):2476-9.
35. ten Berge O, van Velsen SG, **Giovannone B**, Bruijnzeel-Koomen CA, Knol EF, Guikers K, van Weelden H. Assessment of cyclobutane pyrimidine dimers by digital photography in human skin. J Immunol Methods. 2011 Oct 28;373(1-2):240-6.
36. **Giovannone B**, Tsiaras WG, de la Monte S, Klysis J, Lautier C, Karashchuk G, Goldwurm S, and Smith RJ. GIGYF2 gene disruption in mice results in neurodegeneration and altered insulin-like growth factor signaling. Hum Mol Genet. 2009 Dec 1;18(23):4629-39.

37. Lautier C, Goldwurm S, Durr A, **Giovannone B**, Tsiaras WG, Pezzoli G, Brice A, and Smith RJ; Mutations in the GIGYF2 gene at the PARK11 locus in Familial Parkinson's Disease. *Am J. of Hum Gen* 2008 Apr; 82(4):822-33.
38. Mori K., **Giovannone B.**, Smith R.J. Distinct Grb10 domain requirements for effects on glucose uptake and insulin signaling. *Mol Cell Endocrinol*. 2005 Jan 31; 230(1-2):39-50.
39. **Giovannone B**, Lee E, Laviola L, Giorgino F, Cleveland KA, and Smith RJ. Two novel proteins that are linked to Insulin-like growth factor I (IGF-I) receptors by the Grb10 adapter and modulate IGF-I signaling. *J Biol Chem*. 2003 Aug; 278 (34): 31564-73.
40. Hribal ML, D'Alfonso R, **Giovannone B.**, Lauro D, Liu YY, Borboni P, Federici M, Lauro R, Sesti G; The sulfonylurea glimepiride regulates intracellular routing of the insulin-receptor complexes through their interaction with specific protein kinase C isoforms. *Mol Pharmacol*. 2001 Feb; 59(2): 322-30.
41. **Giovannone B**, Saldaferri ML, Federici M, Porzio O, Lauro D, Fusco A, Sbraccia P, Borboni P, Lauro R, Sesti G; Insulin receptor substrate (IRS) transduction system: distinct and overlapping signaling potential. *Diabetes Metab Res Rev*. 2000 Nov-Dec: 16(6): 434-41. Review.
42. Cozzolino M, **Giovannone B**, Serafino A, Knudsen K, Levi A, Alema S, Salvatore A. Activation of TrkA tyrosine kinase in embryonal carcinoma cells promotes cell compaction, independently of tyrosine phosphorylation of catenins. *J Cell Sci*. 2000; 113(Pt 9):1601-1610.
43. Federici M, Giaccari A, Hribal ML, **Giovannone B**, Lauro D, Morviducci L, Pastore L, Tamburrano G, Lauro R, Sesti G. Evidence for glucose/hexosamine in vivo regulation of insulin/IGF-I hybrid receptor assembly. *Diabetes*. 1999 Dec; 48(12):2277-85.
44. Federici M, Porzio O, Lauro D, Borboni P, **Giovannone B**, Zucaro L, Hribal ML, Sesti G. Increased abundance of insulin/insulin-like growth factor-I hybrid receptors in skeletal muscle of obese subjects is correlated with in vivo insulin sensitivity. *J Clin Endocrinol Metab* 1998; Aug; 83(8):2911-5
45. Federici M, Lauro D, D'Adamo M, **Giovannone B**, Porzio O, Mellozzi M, Tamburrano G, Sbraccia P and Sesti G. Expression of Insulin-IGF-1 hybrid receptors is increased in skeletal muscle of patient with chronic primary hyperinsulinemia. *Diabetes* 1998; 47 (1): 87-92.
46. Federici M, Porzio O, Zucaro L, **Giovannone B**, Borboni P, Marini M.A, Lauro D and Sesti G. Increased abundance of insulin/IGF-1 hybrid receptors in adipose tissue from NIDDM patients. *Mol Cell Endoc*. 1997; 135: 41-47.
47. Jodice C, **Giovannone B**, Calabresi V, Bellocchi M, Terrenato L., and Novelletto A. Population variation analysis at nine loci containing expressed trinucleotide repeats. *Ann Hum Genet*. 1997; 61: 425-438
48. **Giovannone B**, Sabbatini G, Di Maio L, Calabrese O, Castaldo I, Frontali M, Novelletto A., and Squitieri F. Analysis of (CAG) n Size Heterogeneity in somatic and sperm cell DNA from intermediate and expanded Huntington Disease gene carriers. *Hum Mut*. 1997; 10 (6):458-464.
49. Perticone P, **Giovannone B**, Cozzi R and Ricordy R., and Gensabella G. Specificity of the G1 block induced by ethionine in human lymphocytes in vitro: a flow cytometric analysis. *Mut Res*. 1997; 374: 99-108

ABSTRACTS AND CONFERENCES (PARTIAL LIST)

- Chouri E., Servaas N., van den Hoogen L.L., Hillen M.R., Angiolilli C., Cossu M., Beretta L., **Giovannone B.**, Hijnen D., Bekker C.P.J., van Roon J.A.G., van de Laar L., Rossato M., Radstake T.R.D.J. Circulating miR-483-5p can regulate fibroblasts activation and constitutes a potential biomarker in Systemic Sclerosis. European Association of Systems Medicine (EASYM), Berlin 2017
- Thijs JL, Drylewicz J., Fiechter R., Bruijnzeel-Koomen C., **Giovannone B.**, de Bruin-Weller M., Lacna A., Nierkens S., DirkJan Hijnen, Disease severity biomarkers in serum and dried blood spots from atopic dermatitis patients. 17th Annual scientific meeting of the Nederlandse Vereniging voor Experimentele Dermatologie (NVED), Lunteren (The Netherlands) 2 and 3 February 2017
- Chouri E., Servaas N., van den Hoogen L.L., Hillen M.R., Angiolilli C., Cossu M., Beretta L., Bekker C.P.J., van Roon J.A.G., **Giovannone B.**, Hijnen D., Rossato M., Radstake T.R.D.J. Circulating miR-483-5p can regulate fibroblasts activation and constitutes a potential biomarker in Systemic Sclerosis. Federation of Clinical Immunology Societies (FOCIS), Boston (MA) 2016
- Thijs JL, Nierkens S., Bruijnzeel-Koomen C., Knol E., **Giovannone B.**, de Bruin-Weller M., Hijnen D., Evaluation of Dried Blood Spots with a multiplex assay in atopic dermatitis. 16th Annual scientific meeting of the Nederlandse Vereniging voor Experimentele Dermatologie (NVED), Lunteren (The Netherlands) 5 and 6 February 2015

- Thijs JL, Nierkens S, Herath A, Bruijnzeel-Koomen CA, Knol EF, **Giovannone B**, de Bruin-Weller MS, Hijnen D. New biomarkers for disease severity in atopic dermatitis. 15th Annual scientific meeting of the Nederlandse Vereniging voor Experimentele Dermatologie (NVED), Lunteren (The Netherlands) 30 and 31 January 2014
- Koole D., Landheer JL., MacIsaac K., Mattson J., McClanahan T., de Waal Malefyt R., Knol E., Bruijnzeel-Koomen C., **Giovannone B.**, and Hijnen D. Evaluation of the atopy patch test (APT) as an in vivo model for the induction of eczema. 15th Annual scientific meeting of the Nederlandse Vereniging voor Experimentele Dermatologie (NVED). Lunteren (The Netherlands) 30 and 31 January 2014
- Thijs J., Nierkens S, **Giovannone B.**, Bruijnzeel-Koomen C., de Bruin-Weller M., and Hijnen D. New Biomarkers for disease severity in atopic dermatitis. 44th Annual ESDR (European Society of Dermatology Research) Meeting 2014: poster 207. Copenhagen (Denmark) 10-13 September. Published in Journal of Investigative Dermatology Vol134 suppl 2:S36 (Sep 2014).
- **Giovannone B.**, Landheer JL., Sadekova S., Hofstra C, Bruijnzeel-Koomen C., Chang C., Ying Y. , de Wall Malefyt R. , Knol E., and Hijnen D. Vitamin D3 differentially induces TSLP in mouse and human skin. 44th Annual ESDR (European Society of Dermatology Research) Meeting 2014: poster 101. Copenhagen (Denmark) 10-13 September. Published in Journal of Investigative Dermatology Vol 134 suppl 2: S17(Sep 2014).
- Landheer JL., **Giovannone B.**, Tjabringa G.S., Hofstra C, Bruijnzeel-Koomen C., De Wall Malefyt R., Ying Y., Sadekova S., Hijnen D., and Knol E. The regulation of thymic stromal lymphopoietin in skin by vitamin D3 is distinct between mouse and human. 41th Annual ESDR (European Society of Dermatology Research) Meeting 2011. Barcelona (Spain) 7-10 September.
- Landheer JL., **Giovannone B.**, Tjabringa G.S., Hofstra C., Bruijnzeel-Koomen C, Hack E, de Waal-Malefyt R., Ying Y., Sadekova S., Hijnen D., and Knol E. Vitamin D3 stimulation of biopsies and keratinocytes of human control skin does not increase TSLP. 12th Annual scientific meeting of the Nederlandse Vereniging voor Experimentele Dermatologie (NVED). Lunteren (The Netherlands) January 2011
- Tsiaras W.G., **Giovannone B.**, Karashchuk G., and Smith R.J. Regulation of IGF-I Receptor Signaling and the CUL7 Ubiquitin Ligase by the Parkinson's Disease Protein GIGYF2. The 4th International Congress of the GRS and the IGF Society, 2008: **Oral presentation. Genoa (Italy) September 16-20.**
- Tsiaras W.G., **Giovannone B.**, Karashchuk G., and Smith R.J. Regulation of IGF-I receptor signaling and the CUL7 ubiquitin ligase complex by the Parkinson's Disease associated protein GIGYF2. The Endocrine Society 90th Annual meeting, 2008: **OR15-6. San Francisco (CA) June 15-18.**
- **Giovannone B.**, Tsiaras W.G., de la Monte S., Lautier C., Klysik J., and Smith R.J. Studies on IGF and insulin signaling identify a gene involved in Neurodegenerative Disease. The Endocrine Society 89th Annual meeting, 2007:**OR34-5. Toronto (CA) June 2-5.**
- **Giovannone B**, Savery C., and Smith R.J. IGF Regulation of gene transcription via direct interaction of the Type I IGF receptor with the YB-1 Transcription/translation regulatory protein. Gordon Research Conference: Insulin-Like Growth factors in Physiology and Disease. Ventura (CA), March 18-23 2007.
- **Giovannone B.**, Lautier C., de la Monte S., Goldwurm S., Klysik J., and Smith R.J. The Grb10-Interactive protein GIGYF2 may link Insulin and IGF-I signaling to neurodegenerative disease. The Endocrine Society 88th Annual meeting, 2006: P1-206. Boston (MA) June 24-27
- **Giovannone B.**, Savery C., and Smith R.J. GIGYF2 is an essential developmentally regulated with intrinsic transcription stimulating activity that may be linked to IGF-I and Insulin Receptors by the Grb10 adapter. The Endocrine Society 87th Annual meeting, 2005:**OR23-6. San Diego (CA) June 4-7.**
- **Giovannone B.**, and Smith R. Domains requirements for nuclear localization of the IGF-I receptor-linked Grb10 Binding Protein GIGYF1. The Endocrine Society 85th Annual meeting, 2003: P1-373, 221. Philadelphia (PA) June 19-22.
- Mori K., **Giovannone B.**, and Smith R.J. Distinct Grb10 Sequence requirements for glucose uptake regulation and initial insulin signaling responses. Diabetes 2003; 52 (suppl 1): 1332-P, A308. 63rd Scientific Section, New Orleans (LO) 13-17 June 2003.
- Mori K., **Giovannone B.**, and Smith R.J. Distinct Grb10 sequence requirements for initial insulin signaling and glucose uptake regulation. GH & IGF Research Vol.12 (4): 301. First Joint Symposium GH-IGF 2002, Boston (MA) October 5-9.
- Hebert A.M., Cleveland K.A., Lee E., **Giovannone B.**, and Smith R.J. Domains Mediating Specific Interactions between Grb10/7/14 and a family of binding proteins. GH & IGF Research Vol.12 (4): 271. First Joint Symposium GH-IGF 2002, Boston (MA) October 5-9.
- **Giovannone B.**, Mori K., and Smith R.J. Nuclear targeting of IGF-I receptor-linked Grb10 binding proteins. GH & IGF Research Vol.12 (4): 246. First Joint Symposium GH-IGF 2002, Boston (MA) October 5-9.

- **Giovannone B**, Mori K., and Smith R.J. Nuclear targeting of two novel IGF-I Receptor linked Grb10 Binding Proteins. The Endocrine Society 84th annual meeting, 2002: P2-158, p358, San Francisco (CA), June 19-22 2002.
- **Giovannone B.**, Lee E., Laviola G., Giorgino F., and Smith R.J. Two novel proteins that are linked to IGF-I Receptors by the Grb10 Adapter and modulate IGF-I signaling. The Endocrine Society 83rd annual meeting, 2001:**OR27.1,p104, Oral Pres., Denver (CO) 20-23 June 2001.**
- **Giovannone B.**, Tiller G, Smith RJ. Augmentation of insulin receptor signaling by the adapter protein Grb10. Diabetes 2000; 49 (suppl. 1): p A238 60th Scientific Session, San Antonio (TX) 9-13 June 2000.
- Federici M, **Giovannone B.**, Chow JC, Smith RJ. Greater sensitivity of IRS-1 than Shc to activation by insulin receptors determines cell-specific signaling responses. Diabetes 1999; 48 (suppl 1): p.A225 59th Scientific Session, San Diego (CA) 19-22 June 1999.
- Federici M, Lauro D, Hribal M, **Giovannone B**, Porzio O, Sesti G. Insulin/IGF-1 Receptors are increased in skeletal muscle from obese subjects and correlated with in vivo insulin action. Diabetes vol. 47 (suppl 1) p. A74 58th Scientific Session, Chicago (IL), USA,13-16 June 1998.
- Federici M, Monviducci L, **Giovannone B**, Hribal M, Lauro D, Tamburrano G, Giaccari A, Sesti G; Ruolo del glucosio nella regolazione dei recettori ibridi insulina-IGF-1 Diabete (supp to n1) vol.10 p 153, 17° Congresso Nazionale della Società Italiana di Diabetologia.
- Sesti G, Federici M, D'adamo M, **Giovannone B**, Tamburrano G, Lauro D, Sracchia P; Increased expression of insulin-IGF-I hybrid receptors in skeletal muscle of patients with chronic primary hyperinsulinemia. Journal Endocrinol. Inv.20 (suppl. to no.4) p.80 XXVII National Congress of the Italian Society of Endocrinology: Sorrento, Italy, June 4-7 1997.
- Federici M, Porzio O, **Giovannone B**, Zucaro L, Marini M A, Lauro D, Sesti G; Expression of insulin/IGF-I hybrid receptors is increased in both skeletal muscle and adipose tissue of obese subjects. Journal Endocrinol. Inv.20 (Suppl. to no.4) p.105 XXVII National Congress of the Italian Society of Endocrinology: June 4-7 1997, Sorrento, Italy.
- Cozzolino M, **Giovannone B**, Pietrini A, Alema' S, Levi A and Salvatore AM: Effetti della espressione del recettore tirosina-chinasi TrakA sulle proprietà di adesione e la capacità di differenziamento delle cellule P19. Convegno Congiunto ABCD-AGI-SIBBM-SIMGBM. Riccione, Italy, 2-5 October 1996.
- Cozzolino M, **Giovannone B**, Galanti S, Pietrini A, Alema' S, Levi A and Salvatore AM: Inhibition of mytogenic and neuronal differentiation in murine P19 embryonal carcinoma cells expressing TrakA receptors. The 9th International Conference of the International Society of Differentiation (ISD): "Development, Cell Differentiation and cancer". Pisa, Italy, September 28-October 2nd 1996.
- Novelletto A, Sabbadini G, Squitieri F, **Giovannone B**, Mandich P, Ajmar F, Frontali M; Haplotypic context and CAG expansion across Italian HD Families. 16th International Meeting of the World Federation of Neurology Group on Huntington's Disease. Leuven, Belgium, July 15-18 1995.
- **Giovannone B**, Sabbadini G, Persichetti F, Mandich P, Bellone E, Di Maria E, Ajmar F, Nacmias B, Bozza A, Squitieri F, Frontali M, Novelletto A; Analisi di un nuovo marcatore genetico in prossimità dell'espansione responsabile della malattia di huntington. Oral Pres. FISME, Spoleto, Italy, 20-23 September 1995.
- Sabbadini G, **Giovannone B**, Albanese A, Persichetti F, Frontali M, Novelletto A; Un caso di mosaicismo somatico estremo nella malattia di huntington. FISME, Spoleto, Italy, 20-23 September 1995.
- Canu N, Possenti R, Rinaldi AM, Trani E, **Giovannone B**, Levi A; Human VGF promoter: homology to rat and cell type specific expression. Society for Neuroscience, Annual Meeting San Diego, California, November 11-16 1995.
- Canu N, Possenti R, Rinaldi AM, Trani E, **Giovannone B**, Levi A; Caratterizzazione della trascrizione tessuto specifica e regolata del gene neurospecifico umano VGF. Convegno Aggiuntivo ABCD-AGI-SIBBM-SIMGBM, Montesilvano (PE), Italy, 26-30 September 1994.
- Perticone P, Cozzi R, Ricordy R, **Giovannone B**, Bartolini F; Flow cytometric analysis of the G1 block induced by L-Ethionine in human lymphocytes. Atti Associazione Genetica Italiana, Vol. XXXIX – 1993.

La sottoscritta, Barbara Giovannone, nata a Arpino (FR) il 20 Luglio 1969, autorizza la raccolta

ed il trattamento dei dati, ai sensi del dlgs. 196/2003;

Il presente Curriculum è conforme agli artt. 46 e 47 D.P.R. 445/2000 sulla veridicità delle dichiarazioni contenute.

Data

Firma