Curriculum Vitae

LAURA PASQUALUCCI, M.D.

(date of preparation: February 15, 2012)

Name	Laura Pasqualucci
Birth place	Perugia, Italy
Citizenship	Italian

EDUCATION

1991	M.D., University of Perugia, magna cum laude
1991-1995	Residency in Hematology, University of Perugia, magna cum laude

RESEARCH TRAINING

2/1996-3/1997	Visiting Research Fellow Molecular Pathology of Lymphoma Institute of Pathology (Prof. Harald Stein) Universitätsklinikum B. Franklin, Freie Universität Berlin, Germany
1997-2000	Post-doctoral Research Fellow Molecular Genetics of Lymphoma (Dr. Riccardo Dalla-Favera) Institute for Cancer Genetics and the Department of Pathology Columbia University, New York, NY
2000-2001	Post-doctoral Research Scientist Molecular Genetics of Lymphoma (Dr. Riccardo Dalla-Favera) Institute for Cancer Genetics and the Department of Pathology Columbia University, New York, NY

ACADEMIC APPOINTMENTS

2001-2003	Assistant Professor of Clinical Pathology & Cell Biology Institute for Cancer Genetics Columbia University, New York, NY
2003-2006	Professore a contratto (DM 13.01.2001 n.13: Rientro Cervelli) Institute of Hematology and Clinical Immunology University of Perugia Medical School, Perugia, Italy
2007-	Associate Professor of Clinical Pathology & Cell Biology Institute for Cancer Genetics Herbert Irving Comprehensive Cancer Center Columbia University, New York, NY

2008-present	Associate Professor of Hematology (MED/15) Institute of Hematology and Clinical Immunology Department of Clinical and Experimental Immunology University of Perugia Medical School, Perugia, Italy

PROFESSIONAL ORGANIZATIONS AND SOCIETIES

1993-	Italian Society of Experimental Hematology
2010-	American Society of Hematology

HONORS

1992	Best thesis in Hematology/Oncology, University of Perugia.
1996	FIRC (Federazione Italiana per la Ricerca sul Cancro) Special Award
1997	AIRC (Associazione Italiana per la Ricerca sul Cancro) Annual Fellowship in Hematology/Oncology.
1998-2000	American Italian Cancer Foundation Fellowship
2002-2005	The Leukemia & Lymphoma Society, Special Fellow Grant
2006-2008	Julie Gould Scholar
2009-	BLOOD-Editorial Board
2009-	Lymphoma Research Foundation-Panel of Scientific Advisors
2012-	NIH Peer Review Committee-SPORE in Lymphoma, ad hoc reviewer

SELECTED INVITED LECTURES and SEMINARS

June 2000	Ninth Meeting of the New York Human Genetics Club The Rockefeller University, NY (Organized by L. Luzzatto)
June 2000	Fifth Congress of the European Haematology Association Birmingham, UK
October 2001	The Leukemia Society Stohlman Symposium Charlotte, NC
October 2001	The Fox Chase Cancer Center Annual Symposium Fox Chase Cancer Center, Philadelphia, PA
March 2003	USCAP 92nd Annual Meeting. Society for Hematopathology Washington, DC
April 2003	First International Symposium on Childhood and Adolescent Non-Hodgkin's Lymphoma: State of the Art and Future Needs in Cytogenetic/Molecular Genetics/Arrays workshop. New York, NY
July 2003	FASEB Summer Research Conference on Hematologic Malignancies Saxtons River, VT
February 2005	The Banbury Center, Cold Spring Harbor Laboratory: Meeting on Chronic Lymphocytic Leukemia (Organized by N. Chiorazzi, KR Rai, M Wigler)
March 2005	Pathology Research Seminar Series Cornell University, New York, NY
August 2005	Think Tank on Molecular Targets in Lymphoid Malignancies National Institutes of Health, Bethesda, Maryland

September 2006	The 12th Danish Cancer Society Symposium Copenhagen, Denmark
September 2006	Third International Conference on: Innovative Therapies for Lymphoid Malignancies Palermo, Italy
October 2006	Haematology Society of Australia & New Zealand Meeting Hobart, Tasmania (Australia)
January 2007	MD Anderson Cancer Center, Houston USA Hematology Oncology Seminar Series
September 2007	Novel Therapeutic Developments in Lymphoma Workshop American Society of Clinical Oncology Aspen, CO
October 2007	American Society of Hematology State of the Art Symposium Philadelphia, PA
January 2008	The Belgian Hematological Society 23rd Annual Meeting. Keynote lecture Oostende, Belgium
September 2008	Workshop on AID biology and disease University of North Carolina Chapel Hill, NC
September 2008	National Cancer Institute Hematopoietic Malignancies 4: Modeling, Biology and Therapy Workshop Harvard Medical School Boston, MA
February 2009	TRR 54-Meeting Lymphoma Conference Charité Universitaetsmedizin Berlin Berlin, Germany
April 2009	International Extranodal Lymphoma Study Group Annual Meeting Toronto, Canada
August 2009	FASEB Summer Research Conference Hematologic Malignancies Saxtons River, VT
November 2009	Association for Molecular Pathology Annual Meeting Kissimmee, FL
January 2010	Keystone Symposia on NF-κB in Inflammation and Disease Santa Fe, NM
March 2010	Primo Congresso di Oncoematologia Molecolare Risvolti Clinici e Terapeutici Torino, Italy
April 2010	JINML Forum 2010 Tokyo, Japan
April 2010	AACR 101st Annual Meeting New Concepts in Organ Site Research Washington, DC
May 2010	Fourth International Conference on Innovative Therapies for Lymphoid Malignancies Palermo, Italy
June 2010	European Haematology Association Barcelona, Spain
September 2010	San Raffaele Hospital Systems Biology Workshop Milan, Italy

October 2010	National Cancer Institute Hematopoietic Malignancies 5: Modeling, Biology and Therapy Workshop Harvard Medical School Boston, MA
October 2010	Normal and Malignant Hematopoiesis Research Affinity Group Seminar Series The Children's Hospital of Philadelphia Philadelphia, PA
November 2010	Memorial Sloan Kettering Cancer Center Grand Rounds Oncogenomics of B cell non-Hodgkin's lymphoma New York, NY
February 2011	7th Annual Hematological Malignancies Symposium Hollings Cancer Center of the Medical University of South Carolina Charleston, SC
June 2011	16th Congress of the European Haematology Association London, England
October 2011	Cancer Research UK Centre University of Liverpool Liverpool, United Kingdom
October 2011	UK Lymphoma Trials Meeting Mike Bennet Guest Lecture London, United Kingdom
November 2011	National Cancer Institute, NIH Clinical Cancer Research Grand Rounds Lecture Series Bethesda, MD
December 2011	The 2nd Symposium for the Tenure Track Program Tokai University Institute of Innovative Science and Technology Tokyo, Japan

TEACHING EXPERIENCE AND RESPONSIBILITIES

1997	Corso Integrativo dell' Insegnamento Ufficiale di Malattie del Sangue e degli Organi Emopoietici, Scuola di Specializzazione in Ematologia, University of Perugia Medical School, Perugia, Italy
2003-2006	Biologia molecolare dei Linfomi non-Hodgkin: Aspetti Patogenetici e Diagnostici. Corso Integrativo dell'Insegnamento Ufficiale di Malattie del Sangue e degli Organi Emopoietici, rivolto agli studenti di Medicina e Chirurgia ed agli iscritti alla Scuola di Specializzazione in Ematologia. University of Perugia Medical School, Perugia, Italy
2006-	Course in Cancer Genetics, Columbia University, New York, NY Lymphoma as a Cancer Model.
2008-	Fellowship Scholarly Oversight Committee, Columbia University, New York, NY Divisions of Pediatric Hematology, Blood and Marrow Transplantation
2010	Hematology/Oncology Grand Rounds Seminar Series Columbia University, New York, NY
2010	Lymphoid Development and Malignancies Program Herbert Irving Comprehensive Cancer Center Columbia University, New York, NY
2010	Patogenesi Molecolare dei Linfomi non-Hodgkin. University of Perugia Medical School, Perugia, Italy

2011- Corso di Laurea Magistrale in Scienze Biotecnologiche Mediche, Veterinarie e Forensi
Modulo di Malattie del Sangue
University of Perugia Medical School, Perugia, Italy

OTHER PROFESSIONAL ACTIVITIES

Editorial Review

- BLOOD- Editorial Board Member; Reviewer
- NATURE-Reviewer
- NATURE GENETICS-Reviewer
- NEW ENGLAND JOURNAL OF MEDICINE-Reviewer
- CANCER CELL-Reviewer
- JOURNAL OF EXPERIMENTAL MEDICINE-Reviewer
- JOURNAL OF CLINICAL INVESTIGATION-Reviewer
- CLINICAL CANCER RESEARCH- Reviewer
- CANCER RESEARCH-Reviewer
- LEUKEMIA-Reviewer
- HAEMATOLOGICA- Reviewer
- LEUKEMIA RESEARCH- Reviewer
- JOURNAL OF PATHOLOGY-Reviewer
- EXPERIMENTAL HEMATOLOGY- Reviewer
- HEMATOLOGICAL ONCOLOGY- Reviewer
- ACTA HEMATOLOGICA- Reviewer
- ACTA NEUROPATHOLOGICA- Reviewer
- AMERICAN SOCIETY OF HEMATOLOGY-reviewer of abstracts for the annual national meeting
- EUROPEAN SOCIETY OF HEMATOLOGY- reviewer of abstracts for the annual national meeting
- INTERNATIONAL CONFERENCE ON MALIGNANT LYMPHOMA - LUGANO - reviewer of abstracts

Consultative Activities

- LYMPHOMA RESEARCH FOUNDATION- Panel of Scientific Advisors
- INSTITUT NATIONAL DU CANCER, PARIS, FRANCE. Programme d'Action Intégrées de Recherche sur les lymphomes (NATIONAL AGENCY FOR CANCER, Lymphoma Program) – Scientific Evaluation Committee
- AUSTRIAN SCIENCE FUND (FWF) - Reviewer for the Erwin Schroedinger Program Fellowship applications
- ITALIAN MINISTRY OF HEALTH-Bando MoH2010 - Grants Reviewer
- NIH/NCI PEER REVIEW COMMITTEE-SPORE program - Grants Reviewer
- CANCER RESEARCH UK-Training & Career Development Board - Career Development Fellowships Reviewer
- NATIONAL PRIORITIES RESEARCH PROGRAM (NPRP) - Qatar National Research Fund - Peer Reviewer

PUBLICATIONS
(date of preparation: February 15, 2012)

Original, peer reviewed articles:

1. Comparison of immunosuppressive effects of single-dose and hyperfractionated total body irradiation. ***Transplant Proc***, 1994; 26: 3217.

2. Falini B, Venturi S, Martelli MF, Santucci A, Pileri S, Pescarmona E, Giovannini M, Mazza P, Martelli MF, **Pasqualucci L**, Ballatori E, Guglielmi C, Amadori S, Poggi S, Sabattini E, Gherlinzoni F, Zinzani PL, Baroni CD, Mandelli F, Tura S. Mediastinal large B-cell lymphoma: clinical and immunohistologic findings in 18 patients treated with different third- generation regimens. ***Br J Haematol***, 1995; 89: 780-789.

3. **Pasqualucci L**, Wasik M, Teicher BA, Flenghi L, Bolognesi A, Stirpe F, Polito L, Falini B, Kadin ME. Antitumor activity of anti-CD30 immunotoxin (Ber-H2/Saporin) in vitro and in severe combined immunodeficiency disease mice xenografted with human CD30+ anaplastic large-cell lymphoma. ***Blood***, 1995; 85: 2139-2146.

4. Terenzi A, Bolognesi A, **Pasqualucci L**, Flenghi L, Pileri S, Stein H, Kadin ME, Bigerna B, Polito L, Tazzari PL, Martelli MF, Stirpe F, Falini B. Anti-CD30 (BER-H2) immunotoxins containing the type-1 ribosome-inactivating proteins momordin and PAP-S (pokeweed antiviral protein from seeds) display powerful antitumour activity against CD30+ tumour cells in vitro and in SCID mice. ***Br J Haematol***, 1996; 92(4): 872-879.

5. Flenghi L, Bigerna B, Fizzotti M, Venturi S, **Pasqualucci L**, Pileri S, Ye BH, Gambacorta M, Pacini R, Baroni CD, Pescarmona E, Anagnostopoulos I, Stein H, Asdrubali G, Martelli MF, Pelicci PG, Dalla-Favera R, Falini B. Monoclonal antibodies PG-B6a and PG-B6p recognize, respectively, a highly conserved and a formol-resistant epitope on the human BCL-6 protein amino-terminal region. ***Am J Pathol***, 1996; 148(5): 1543-1555.

6. Falini B, Bigerna B, **Pasqualucci L**, Fizzotti M, Martelli MF, Pileri S, Pinto A, Carbone A, Venturi S, Pacini R, Cattoretti G, Pescarmona E, Lo Coco F, Pelicci PG, Anagnostopoulos I, Dalla-Favera R, Flenghi L. Distinctive expression pattern of the Bcl-6 protein in nodular lymphocyte predominance Hodgkin's disease. ***Blood*, 1996;** 87: 465-471.

7. Gambacorta M, Flenghi L, Fagioli M, Pileri S, Leoncini L, Bigerna B, Pacini R, Tanci LN, **Pasqualucci L**, Ascani S, Mencarelli A, Liso A, Pelicci PG, Falini B. Heterogeneous nuclear expression of the promyelocytic leukemia (PML) protein in normal and neoplastic human tissues. ***Am J Pathol,*** 1996; 149: 2023-1035.

8. Falini B, Liso A, **Pasqualucci L**, Flenghi L, Ascani S, Pileri S, Bucciarelli E. CD30+ anaplastic large-cell lymphoma, null type, with signet-ring appearance. ***Histopathology,*** 1997; 30: 90-92.

9. Falini B, Flenghi L, Fagioli M, Lo Coco F, Cordone I, Diverio D, **Pasqualucci L**, Biondi A, Riganelli D, Orleth A, Liso A, Martelli MF, Pelicci PG, Pileri S. Immunocytochemical diagnosis of acute promyelocytic leukemia (M3) with the monoclonal antibody PG-M3 (anti-PML). ***Blood***, 1997; 90: 4046-4053.

10. Bolognesi A, Tazzari PL, Olivieri F, Polito L, Lemoli R, Terenzi A, **Pasqualucci L**, Falini B, Stirpe F. Evaluation of immunotoxins containing single-chain ribosome-inactivating proteins and an anti-CD22 monoclonal antibody (OM124): in vitro and in vivo studies. ***Br J Haematol***, 1998; 101(1): 179-188.

11. Qu X-Y, Hauptschein RS, Rzhetsky, Scotto L, Chien M-C, Ye X, Frigeri F, Rao PH, **Pasqualucci L**, Gamberi B, Deaven LL, Zhang P, Chaganti RSK, Dalla-Favera R, Russo JJ. Analysis of a 69-kb contiguous genomic sequence at a putative tumor suppressor gene locus on human chromosome 6q27. ***DNA Sequence***, 1998; 9 (4): 189-204.

12. **Pasqualucci L**, Migliazza A, Fracchiolla N, William C, Neri A, Baldini L, Chaganti RSK, Klein U, Kuppers R, Rajewsky K, Dalla-Favera R. BCL-6 mutations in normal germinal center B cells: evidence of somatic hypermutation acting outside Ig loci. ***Proc Natl Acad Sci USA***, 1998; 95 (20): 11816-11821.

13. Capello D, Vitolo U, **Pasqualucci** L, Quattrone S, Migliaretti G, Fassone L, Ariatti C, Vivenza D, Gloghini A, Pastore C, Lanza C, Nomdedeu J, Botto B, Freilone R, Buonaiuto D, Zagonel V, Gallo E, Palestro G, Saglio G, Dalla-Favera R, Carbone A, Gaidano G. Distribution and pattern of BCL-6 mutations throughout the spectrum of B-cell neoplasia. ***Blood,*** 2000; 95(2): 651-659.

14. **Pasqualucci L**, Neri A, Baldini L, Dalla-Favera R, Migliazza A. BCL-6 mutations are associated with immunoglobulin variable heavy chain mutations in B-cell chronic lymphocytic leukemia. ***Cancer Res,*** 2000; 60 (20): 5644-5648.

15. **Pasqualucci L**, Neumeister P, Goossens T, Nanjangud G, Chaganti RSK, Küppers R, Dalla-Favera R. Hypermutation of multiple proto-oncogenes in B-cell Diffuse Large Cell Lymphomas ***Nature*****,** 2001; 412: 341-346.

16. **Pasqualucci L**, Migliazza A, Ye HB, Dalla-Favera R. Transcriptional Deregulation of Mutated BCL6 Alleles by Loss of Negative Autoregulation in Diffuse Large B Cell Lymphoma. ***Am. N.Y. Acad. Sci***, 2003; 987(49):314-316.

17. **Pasqualucci L**, Migliazza A, Basso K, Houldsworth J, Chaganti RS, Dalla-Favera R. Mutations of the BCL6 proto-oncogene disrupt its negative autoregulation in diffuse large B-cell lymphoma. ***Blood,*** 2003; 101(8): 2914-2923.

18. Gaidano G, **Pasqualucci L**, Capello D, Berra E, Deambrogi C, Rossi D, Larocca LM, Gloghini A, Carbone A, Dalla-Favera R. Aberrant somatic hypermutation in multiple subtypes of AIDS-associated non-Hodgkin lymphoma. ***Blood,*** 2003; 102(5): 1833-1841.

19. Falini B, Tiacci E, Pucciarini A, Bigerna B, Kurth J, Hatzivassiliou G, Droetto S, Galletti BV, Gambacorta M, Orazi A, **Pasqualucci L**, Miller I, Küppers R, Dalla-Favera R, Cattoretti G.

Expression of the IRTA1 receptor identifies intraepithelial and subepithelial marginal zone B cells of the mucosa-associated lymphoid tissue (MALT). ***Blood***, 2003; 102(10): 3684-3692.

20. **Pasqualucci L***, Guglielmino R, Houldsworth J, Mohr J, Reynaud CA, Polakiewicz R, Chaganti RSK, Dalla-Favera R. Expression of the AID protein in normal and neoplastic B cells. ***Blood*****,** 2004; 104(10):3318-3325.(*corresponding author)

21. Cerri M, Capello D, Muti G, Rambaldi A, Paulli M, Gloghini A, Berra E, Deambrogi C, Rossi D, Franceschetti S, Conconi A, Morra E, **Pasqualucci L**, Carbone A, Gaidano G. Aberrant somatic hypermutation in post-transplant lymphoproliferative disorders. ***Br J Haematol****, 2004;* 127(3):362-364.

22. Monti S, Savage KJ, Kutok JL, Feuerhake F, Kurtin P, Mihm M, Wu B, **Pasqualucci L**, Neuberg D, Aguiar RC, Dal Cin P, Ladd C, Pinkus GS, Salles G, Harris NL, Dalla-Favera R, Habermann TM, Aster JC, Golub TR, Shipp MA. Molecular profiling of diffuse large B-cell lymphoma identifies robust subtypes including one characterized by host inflammatory response. ***Blood,*** 2005; 105(5):1851-1861.

23. Falini B, Mecucci C, Tiacci E, Alcalay M, Rosati R, **Pasqualucci L**, et al. Cytoplasmic nucleophosmin in acute myelogenous leukemia with a normal karyotype. ***N Engl J Med,*** 2005; 352(3): 254-66.

24. Libra M, Capello D, Gloghini A, **Pasqualucci L**, Berra E, Cerri M, Gasparotto D, Franca S, De Re V, Gaidano G, Carbone A. Analysis of aberrant somatic hypermutation (SHM) in non-Hodgkin's lymphomas of patients with chronic HCV infection. ***J Pathol***, 2005; 206(1):87-91.

25. Cattoretti G^, **Pasqualucci L**^, Ballon G, Tam W, Nandula SN, Shen Q, Mo T, Murty VV, Dalla-Favera R. Deregulated BCL6 expression recapitulates the pathogenesis of human diffuse large B-cell lymphomas in mice. ***Cancer Cell,*** 2005; 7:445-455. (^equal contribution)

26. Winkler D, Schneider C, Krober A, **Pasqualucci L**, Lichter P, Dohner H, Stilgenbauer S. Protein expression analysis of chromosome 12 candidate genes in chronic lymphocytic leukemia (CLL). ***Leukemia,*** 2005; 19: 1211-1215.

27. Rossi D, Cerri M, Capello D, Deambrogi C, Berra E, Fransceschetti S, Alabisio O, Gloghini A, Paulli M, Carbone A, Pileri SA, **Pasqualucci L**, Gaidano G. Aberrant somatic hypermutation in primary mediastinal large B-cell lymphoma. ***Leukemia*****, 2005;** 19: 2363-2366**.**

28. **Pasqualucci L***, Kitaura Y, Gu H, Dalla-Favera R. PKA-mediated phosphorylation regulates the function of activation-induced deaminase (AID) in B cells. ***Proc Natl Acad Sci USA,*** 2006; 103: 395-400. (*corresponding author)

29. Falini B, Bolli N, Shan J, Martelli MP, Liso A, Pucciarini A, Bigerna B, **Pasqualucci L**, Mannucci R, Rosati R, Gorello P, Diverio D, Roti G, Tiacci E, Cazzaniga G, Biondi A, Schnittger S, Haferlach T, Hiddemann W, Martelli MF, Gu W, Mecucci C, Nicoletti I. Both carboxy-terminus NES motif and mutated tryptophan(s) are crucial for aberrant nuclear export of nucleophosmin leukemic mutants in NPMc+ AML. ***Blood,*** 2006; 107: 4514-4523.

30. **Pasqualucci L**, Compagno M, Houldsworth J, Monti S, Grunn A, Nandula SV,Aster JC, Murty VV, Shipp MA, and Dalla-Favera R. Inactivation of the PRDM1/BLIMP1 Gene in Diffuse Large B-cell Lymphoma. ***J Exp Med***, 2006; 203: 311-317.

31. Liso A, Capello D, Marafioti T, Tiacci E, Cerri M, Distler V, Paulli M, Carbone A, Del Sol G, Campo E, Pileri S, **Pasqualucci L**, Gaidano G and Falini B. Aberrant somatic hypermutation in nodular lymphocyte-predominant and classical Hodgkin's lymphoma. ***Blood,*** 2006; 108: 1013-1020.

32. **Pasqualucci L**, Liso A, Martelli MP, Bolli N, Pacini R, Tabarrini A, Carini M, Bigerna B, Pucciarini A, Mannucci R, Nicoletti I, Tiacci E, Meloni G, Specchia G, Cantore G, Di Raimondo F, Pileri A, Mecucci C, Mandelli F, Martelli MF, and Falini B. Mutated nucleophosmin detects clonal multilineage involvement in acute myeloid leukemia: Impact on WHO classification. ***Blood***, 2006; 108: 4146-4155.

33. Rossi D, Berra E, Cerri M, Deambrogi C, Barbieri C, Franceschetti S, Lunghi M, Conconi A, Paulli M, Matolcsy A, **Pasqualucci L**, Capello D, Gaidano G. Aberrant somatic hypermutation in transformation of follicular lymphoma and chronic lymphocytic leukemia to diffuse large B-cell lymphoma. ***Haematologica*****,** 2006; 91:1405-1409.

34. Saito M, Gao J, Basso K, Kitagawa Y, Smith PM, Bhagat G, Pernis A, **Pasqualucci L**, Dalla-Favera R. A signaling pathway mediating downregulation of BCL6 in germinal center B cells is blocked by BCL6 gene alterations in B cell lymphoma. ***Cancer Cell***, 2007; 12: 280-292.

35. **Pasqualucci L***, Bhagat G, Jankovic M, Compagno M, Smith P, Muramatsu M, Honjo T, Morse HC 3rd, Nussenzweig MC, Dalla-Favera R*. AID is required for germinal center-derived lymphomagenesis. ***Nature Genetics*****,** 2008; 40:108-112. (*co-corresponding authors).

36. **Pasqualucci L**, Li S, Meloni G, Schnittger S, Gattenlohner S, Liso A, Di Ianni M, Martelli MP, Pescarmona E, Foa R, Haferlach T, Skoda RC, Falini B. NPM1-mutated acute myeloid leukaemia occurring in JAK2-V617F+ primary myelofibrosis: de-novo origin? ***Leukemia***, 2008; 22(7):1459-1463.

37. Vakiani E, Basso K, Klein U, Mansukhani NM, Narayan G, Smith PM, Murty VV, Dalla-Favera R, **Pasqualucci L**, Bhagat G. Genetic and phenotypic analysis of B-cell post-transplant lymphoproliferative disorders provides insights into disease biology. ***Hematol Oncol***, 2008; 26(4): 199-211.

38. Novak U, Rinadi A, Kwee I, Nandula SV, Rancoita PMV, Compagno M, Cerri M, Rossi D, Murty VV, Zucca E, Gaidano G, Dalla-Favera R, **Pasqualucci L**, Bhagat G, Bertoni F. The NF-kB negative regulator TNFAIP3 (A20) is commonly inactivated by somatic mutations and genomic deletions in marginal zone B-cell lymphomas. ***Blood***, 2009; 13(20):4918-4921.

39. Compagno M, Lim WK, Grunn A, Nandula SV, Brahmachary M, Shen Q, Bertoni F, Ponzoni M, Scandurra M, Califano A, Bhagat G, Chadburn A, Dalla-Favera R, **Pasqualucci L**. Mutations in

multiple genes cause deregulation of the NF-kB pathway in diffuse large B-cell lymphoma. ***Nature*****,** 2009**;** 459(7247):717-721.

40. Saito M, Novak U, Piovan E, Basso K, Sumazin P, Schneider C, Crespo M, Bhagat G, Califano A, Chadburn A, **Pasqualucci L**, Dalla-Favera R. BCL6 suppression of BCL2 via Miz1 and its disruption in diffuse large B cell lymphoma.
Proc Natl Acad Sci USA, 2009; 106(27):11294-11299.

41. Cattoretti G, Mandelbaum J, Lee N, Chaves AH, Mahler AM, Chadburn A, Dalla-Favera R, **Pasqualucci L***, MacLennan AJ*****. Targeted disruption of the S1P2 sphingosine 1-phosphate receptor gene leads to diffuse large B-cell lymphoma formation. ***Cancer Research*****,** 2009; 69(22):8686-8692. (*co-corresponding authors).

42. Mandelbaum J, Bhagat G, Tang H, Mo T, Grunn A, Brahmachary M, Shen Q, Chadburn A, Rajewsky K, Tarakhovsky A, **Pasqualucci L***, Dalla-Favera R*. Blimp1 is a tumor suppressor gene frequently disrupted in activated B-cell like diffuse large B cell lymphoma. ***Cancer Cell***, 2010; 18(6):568-579. (*co-corresponding authors).

43. Green MR, Monti S, Dalla-Favera R, **Pasqualucci L**, Walsh NC, Schmidt-Supprian M, Kutok JL, Rodig SJ, Neuberg DS, Rajewsky K, Golub TR, Alt FW, Shipp MA, Manis JP. Signatures of murine B-cell development implicate Yy1 as a regulator of the germinal center-specific program. ***Proc Natl Acad Sci USA***, 2011; 108(7):2873-8.

44. **Pasqualucci L***, Dominguez-Sola D, Chiarenza A, Fabbri A, Grunn A, Trifonov V, Kasper LH, Lerach S, Tang H, Ma J, Rossi D, Chadburn A, Murty VV, Mullighan CG, Gaidano G, Rabadan R, Brindle PK and Dalla-Favera R*. Inactivating mutations of acetyltransferase genes in B-cell lymphoma. ***Nature***, 2011; 471(7337):189-95. (*co-corresponding authors).

45. Tiacci E, Trifonov V, Schiavoni G, Holmes AB, Kern W, Martelli MP, Pucciarini A, Bigerna B, Pacini R, Wells V, Sportoletti P, Pettirossi V, Mannucci R, Elliot O, Liso A, Ambrosetti A, Pulsoni A, Forconi F, Trentin L, Semenzato G, Inghirami G, Capponi M, Di Raimondo F, Patti C, Arcaini L, Musto P, Pileri S, Haferlach C, Schnittger S, Pizzolo G, Foa' R, Farinelli L, Haferlach T, **Pasqualucci L**, Rabadan R, Falini B. *BRAF* mutations in Hairy Cell Leukemia, ***N Engl J Med,*** 2011; 364(24):2305-2315.

46. Fabbri G, Rasi S, Rossi D, Trifonov V, Khiabanian H, Ma J, Grunn A, Fangazio M, Capello D, Monti S, Cresta S, Gargiulo E, Forconi F, Guarini A, Arcaini L, Paulli M, Laurenti L, Larocca LM, Marasca R, Gattei V, Oscieri D, Bertoni F, Mullighan CG, Foa' R, **Pasqualucci L***, Rabadan R*, Dalla-Favera R*, Gaidano G*. Analysis of the chronic lymphocytic leukemia coding genome: role of NOTCH1 mutational activation. ***J Exp Med***, 2011; 208(7):1389-1401. (*equal contribution)

47. **Pasqualucci L***, Trifonov V, Fabbri G, Ma J, Rossi D, Chiarenza A, Wells VA, Grunn A, Messina M, Elliot O, Chan J, Bhagat G, Chadburn A, Gaidano G, Mullighan CG, Rabadan R, Dalla-Favera R*. Analysis of the coding genome of diffuse large B cell lymphoma. ***Nature Genetics***, 2011; 43:830-837**,** 2011. (*co-corresponding authors)

48. Rossi D, Deaglio S, Dominguez-Sola D, Rasi S, Vaisitti T, Agostinelli C, Spina V, Bruscaggin A, Monti S, Cerri M, Cresta S, Fangazio M, Arcaini L, Lucioni M, Marasca R, Thieblemont C, Capello D, Facchetti F, Kwee I, Pileri SA, Foà R, Bertoni F, Dalla-Favera R, **Pasqualucci L**, Gaidano G. Alterations of *BIRC3* and multiple other NF-kB pathway genes in splenic marginal

zone lymphoma. ***Blood***, 2011; 118(18):4930-4934.

49. Novak U, Basso K, **Pasqualucci L**, Dalla-Favera R, Bhagat G. Genomic analysis of non-splenic marginal zone lymphomas (MZL) indicates similarities between nodal and extranodal MZL and supports their derivation from memory B-cells. ***Br J Haematol***, 2011; 155(3):362-365.

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Reviews, chapters and editorials:

- **Review Articles**

1. Falini B, Flenghi L, **Pasqualucci L**, Martelli MF, Venturi S, Scarpelli N, Blass A, Stirpe F, Pileri S, Martelli MF. Gli anticorpi monoclonali nella terapia delle emopatie maligne. ***Hematologica***, 1993.

2. **Pasqualucci L**, Flenghi L, Terenzi A, Bolognesi A, Stirpe F, Falini B: Immunotoxin therapy of hematopoietic malignancies. ***Hematologica*** 1995; 80: 551-559.

3. Falini B, Fizzotti M, Pileri S, Liso A, **Pasqualucci L**, Flenghi L. Bcl-6 protein expression in normal and neoplastic lymphoid tissues. ***Ann Oncol*** 1997; 8, Suppl 2: 101-104.

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5. Dalla-Favera R, Migliazza A, Chang CC, Niu H, **Pasqualucci L**, Butler M, Shen Q, Cattoretti G. Molecular pathogenesis of B cell malignancy: the role of BCL-6. ***Curr Top Microbiol Immunol*** 1999; 246:257-263.

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9. Klein U, **Pasqualucci L**. B cell receptor signaling derailed in lymphomas. ***Immunol Cell Biol*** 2010; 88(4):346-347.

10. Cancer Target Discovery and Development Network, Schreiber SL, Shamji AF, Clemons PA, Hon C, Koehler AN, Munoz B, Palmer M, Stern AM, Wagner BK, Powers S, Lowe SW, Guo X, Krasnitz A, Sawey ET, Sordella R, Stein L, Trotman LC, Califano A, Dalla-Favera R, Ferrando A, Iavarone A, **Pasqualucci L**, Silva J, Stockwell BR, Hahn WC, Chin L, DePinho RA, Boehm JS, Gopal S, Huang A, Root DE, Weir BA, Gerhard DS, Zenklusen JC, Roth MG, White MA, Minna JD, MacMillan JB, Posner BA. Towards patient-based cancer therapeutics. ***Nat Biotechnol*** 2010; 28: 904-906.

11. **Pasqualucci L.** Relevant Pathogenetic Pathways in Diffuse Large B cell Lymphoma. *16th Congress of the European Hematology Association, Education Session on Diffuse Large B cell Lymphoma* 2011.

12. Schneider C, **Pasqualucci L**, Dalla-Favera R. Molecular Pathogenesis of diffuse large B-cell lymphoma. ***Semin Diagn Pathol*** 2011; 28(2):167-177.

- **Textbook chapters**

1. Flenghi L, **Pasqualucci** L, Bigerna B, Pacini R, Natali-Tanci L, Venturi S, Pileri S, Falini B. Linfoma/Leucemia dei precursori linfoidi. In: *Linfomi non-Hodgkin*, attualita' di diagnosi e terapia, Seminari di Ematologia, Vol 1, 1995.

2. Falini B, Terenzi A, Liso A, Flenghi L, Solinas A, **Pasqualucci L.** Targeted Antibodies in the Treatment of Lymphomas. J Tooze and A.C. Wotherspoon (eds.). In: *Cancer Surveys,* Vol 30: *Lymphoma*. Cold Spring harbor Laboratory Press (publ.) 1997: 295-309.

3. Dalla-Favera R and **Pasqualucci L**. Molecular Genetics of Lymphoma. PM Mauch, JO Armitage, B Coiffier, R Dalla-Favera, NL Harris (eds.). In: *Non-Hodgkin's Lymphomas,* Lippincott Williams and Wilkins (publ.) Philadelphia, 2009: 115-129.

4. Novak U, **Pasqualucci L** and Dalla-Favera R. Molecular Biology of Lymphoma. VT. DeVita, Jr., TS Lawrence, and SA Rosenberg (eds). In: *DeVita, Hellman, and Rosenberg's. Cancer: Principles and Practices of Oncology,* Lippincott Williams and Wilkins (publ.) Philadelphia, 2011.

- **FELLOWSHIPS AND GRANT SUPPORT**

COMPLETED

Fellowship Award (Pasqualucci) 6/1/00/6/1/02
American-Italian Cancer Foundation Fellowship
Role of BCL6 mutations in Lymphomagenesis
Investigating the distribution and functional consequences of mutations affecting the BCL6 gene in Diffuse Large B cell Lymphoma
Role: Fellow

Special Fellow Award (Pasqualucci) 7/1/02-6/30/05
Leukemia and Lymphoma Society
Aberrant Hypermutation in Diffuse Large B-Cell Lymphoma
Understanding the role of aberrant somatic hypermutation in the development of lymphoma and possibly identifying new targets for diagnosis and therapy
Role: Fellow

5 R37 CA37295-23 (Dalla-Favera) 7/1/02-6/30/07
NIH/NCI
Aids-Associated Lymphoproliferative Disorders
Major goals. (1) Analyzing the phenotype of AIDS-NHL subtypes by gene expression profiling; (2) determine the pathogenetic role in AIDS-NHL aberrant somatic hypermutation
This grant has been designated a MERIT AWARD.
Role on project: co-investigator

5 P01 CA92625-05 (PI: Shipp) 8/2/01-6/30/06
NIH/NCI through Dana Farber
Molecular Targets of Germinal Center B-cell Lymphomas
Project 3: *Role of BCL-6 in Germinal Center formation and Lymphomagenes*is.
Role: Project 3 Co-investigator
(competing renewal will be funded)

Specialized Center of Research 7032-04 (PI: Dalla-Favera) 10/1/03 – 9/30/08
Leukemia and Lymphoma Society.
Molecular Targets in Lymphoma
The goal of this program is to understand the pathogenesis of B cell-derived non-Hodgkin lymphoma and improve the diagnosis and treatment of the disease.
Project 1 (Dalla-Favera)
Aberrant Somatic Hypermutation in Diffuse Large Cell Lymphoma
Role on project: co-investigator

5 R01 CA107489-03 (Dalla-Favera) 5/5/04 – 4/30/09
NIH/NCI
Role of BCL6 Mutations in Lymphomagenesis
Major goals. (1) to investigate the role of BCL6 mutations on the regulation of BCL6 expression; (2) to test whether BCL6 mutations contribute to lymphomagenesis; (3) to examine the role of germinal centers and IgV somatic hypermutation in lymphomagenesis.

Role on project: co-investigator

Stewart Trust Pilot Project (Pasqualucci) 7/1/09 – 6/30/10
Role of BLIMP1 inactivation in diffuse large B cell lymphoma Major goals. (1) Investigate epigenetic mechanisms of BLIMP1 inactivation in ABC-DLBCL; 2) Examine the role of BLIMP1 inactivation in lymphomagenesis in vivo, by using mouse models that recapitulate the genetic lesion observed in the human disease.

5 R01 CA107489-05 (Dalla-Favera) 5/5/04 – 4/30/10
NIH/NCI
Role of BCL6 Mutations in Lymphomagenesis
Major goals. (1) to investigate the role of BCL6 mutations on the regulation of BCL6 expression; (2) to test whether BCL6 mutations contribute to lymphomagenesis; (3) to examine the role of germinal centers and IgV somatic hypermutation in lymphomagenesis.
Role on project: co-investigator

ACTIVE

5 P01 CA92625-07 (PI: Shipp) 7/1/06 – 6/30/11
NIH-Dana-Farber Cancer Institute Subcontract to Columbia
Molecular Targets of Germinal Center B-cell Lymphomas
Project 3 (Dalla-Favera)
Role of BCL-6 in germinal Center formation and Lymphomagenesis
Role on project: co-investigator
(competing renewal will be funded)

4 R37 CA37295-24 (Dalla-Favera) 7/1/07 – 6/30/12
NIH/NCI
AIDS-Associated Lymphoproliferative Disorders
Major goals. (1) Analyzing the phenotype of AIDSI-NHL subtypes by gene expression profiling; (2) determine the pathogenetic role in AIDS-NHL aberrant somatic hypermutation *Merit award continuation*
Role on project: co-investigator

Specialized Center of Research (PI: Dalla-Favera) 10/1/08 – 9/30/13
Leukemia and Lymphoma Society.
Molecular Targets in Lymphoma
Project 1 (Dalla-Favera)
Aberrant Somatic Hypermutation in Diffuse Large Cell Lymphoma
Role on project: co-investigator
Core C (Pasqualucci)
Genomics Core
Role on project: Core leader

Work Address Istituto di Ematologia e Immunologia Clinica
Dipartimento di Medicina Clinica e Sperimentale
Ospedale S. Maria della Misericordia
Loc S. Andrea delle Fratte
06132 PERUGIA (PG)