

NAME	POSITION/TITLE
Giorgio Cattoretti, MD	Director, Dept. of Pathology (Surgical Pathology, Cytopathology, Nephropathology and Medical Genetics)

EDUCATION AND TRAINING			
Institution And Location	Degree (If Applicable)	Year Conferred Con	Field Of Study
State University, Milano, Italy	MD	3/28/1979	Medicine & Surgery
Department of Haematology, St. Thomas' Hospital, London, U.K..	Research Assistant	2/79-1/80	Hematology
Day Care Pediatric Haematology Unit, State University "Cattedra di Puericultura", Clinica Pediatrica De Marchi, Milano.	Intern	2/80 - 12/8	Hematology
Haematology Laboratory at the State Hospital "Istituti Clinici di Perfezionamento", Milano.	Intern	1/83 - 12/4	Hematology
Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan Italy	Research Fellow	1/85-12/86	Surgical Pathology
State University, Pavia, Italy	Board in Pathology	1991	Anatomic Pathology
Columbia-Presbyterian Medical Center, Columbia University	Resident in Pathology	1994-1996	Pathology
American Board of Pathology	Certification in Anatomic Pathology	10/97	Anatomic Pathology

RESEARCH AND PROFESSIONAL EXPERIENCE

Academic appointments:

12/96-6/01 Assistant Professor of Pathology, Columbia University, New York, N.Y.
7/01 -7/03 Esther Aboodi Associate Professor of Clinical Pathology, Columbia University, New York, NY.
7/03 -7/06 Associate Professor of Clinical Pathology, Columbia University, New York, NY.
1/07 - present Associate Professor, Anatomia Patologica, Università degli Studi di Milano - Bicocca, Monza, Italy

Hospital appointments:

1/87 - 11/93: Staff pathologist , Division of Surgical Pathology and Cytology, "Istituto Nazionale per lo Studio e la Cura dei Tumori", Milano.
12/96-6/01 Assistant Attending in Pathology, Columbia-Presbyterian Medical Center, Columbia University, New York, N.Y.
7/01 -7/06 Associate Attending in Pathology, Columbia-Presbyterian Medical Center, Columbia University, New York, N.Y.
8/06 - present Director, Dept. of Pathology (Surgical Pathology, Cytopathology, Nephropathology and Medical Genetics), Azienda Ospedaliera San Gerardo, Monza, Italy

Honors:

7/95 - 7-98: Leukemia Society of America Special Fellow

Selected Publications:

- Pagni, F., et al., *The role of PAX5 and C/EBP alpha/beta in atypical non-Langerhans cell histiocytic tumor post acute lymphoblastic leukemia*. Leukemia, 2014.
- Mainini, V., et al., *MALDI imaging mass spectrometry in glomerulonephritis: feasibility study*. Histopathology, 2014. **64**(6): p. 901-6.

3. Lombardi, C.M., et al., *Post-mortem micro-computed tomography (micro-CT) of small fetuses and hearts*. *Ultrasound in obstetrics & gynecology : the official journal of the International Society of Ultrasound in Obstetrics and Gynecology*, 2014.
4. Gendusa, R., et al., *Elution of High Affinity (>10-9 KD) Antibodies from Tissue Sections: Clues to the Molecular Mechanism and Use in Sequential Immunostaining*. *The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society*, 2014.
5. Buscone, S., et al., *Nasopharyngeal tonsils (adenoids) contain extrathymic corticothymocytes*. *PLoS ONE*, 2014. **9**(5): p. e98222.
6. Argentieri, M.C., et al., *Antibodies are forever: a study using 12-26-year-old expired antibodies*. *Histopathology*, 2013. **63**(6): p. 869-76.
7. Pilla, D., et al., *Tissue microarray design and construction for scientific, industrial and diagnostic use*. *Journal of Pathology Informatics*, 2012. **3**: p. 42.
8. Cattoretti, G., et al., *Targeted disruption of the S1P2 sphingosine 1-phosphate receptor gene leads to diffuse large B-cell lymphoma formation*. *Cancer Research*, 2009. **69**(22): p. 8686-92.
9. Ding, B.B., et al., *Constitutively activated STAT3 promotes cell proliferation and survival in the activated B-cell subtype of diffuse large B-cell lymphomas*. *Blood*, 2008. **111**(3): p. 1515-23.
10. Chesi, M., et al., *AID-dependent activation of a MYC transgene induces multiple myeloma in a conditional mouse model of post-germinal center malignancies*. *Cancer Cell*, 2008. **13**(2): p. 167-80.
11. Maeda, T., et al., *Regulation of B versus T lymphoid lineage fate decision by the proto-oncogene LRF*. *Science*, 2007. **316**(5826): p. 860-6.
12. Klein, U., et al., *Transcription factor IRF4 controls plasma cell differentiation and class-switch recombination*. *Nature Immunology*, 2006. **7**(7): p. 773-82.
13. Cattoretti, G., et al., *Stages of germinal center transit are defined by B cell transcription factor coexpression and relative abundance*. *Journal of immunology*, 2006. **177**(10): p. 6930-9.
14. Cattoretti, G., et al., *Deregulated BCL6 expression recapitulates the pathogenesis of human diffuse large B cell lymphomas in mice*. *Cancer Cell*, 2005. **7**(5): p. 445-55.
15. Cattoretti, G., et al., *PRDM1/Blimp-1 is expressed in human B-lymphocytes committed to the plasma cell lineage*. *The Journal of Pathology*, 2005. **206**(1): p. 76-86.
16. Costoya, J.A., et al., *Essential role of Plzf in maintenance of spermatogonial stem cells*. *Nature Genetics*, 2004. **36**(6): p. 653-9.
17. Qu, X., et al., *Promotion of tumorigenesis by heterozygous disruption of the beclin 1 autophagy gene*. *The Journal of clinical investigation*, 2003. **112**(12): p. 1809-20.
18. Niu, H., G. Cattoretti, and R. Dalla-Favera, *BCL6 controls the expression of the B7-1/CD80 costimulatory receptor in germinal center B cells*. *The Journal of experimental medicine*, 2003. **198**(2): p. 211-21.
19. Kuppers, R., et al., *Identification of Hodgkin and Reed-Sternberg cell-specific genes by gene expression profiling*. *The Journal of clinical investigation*, 2003. **111**(4): p. 529-37.
20. Klein, U., et al., *Transcriptional analysis of the B cell germinal center reaction*. *Proceedings of the National Academy of Sciences of the United States of America*, 2003. **100**(5): p. 2639-44.
21. Klein, U., et al., *Gene expression profiling of B cell chronic lymphocytic leukemia reveals a homogeneous phenotype related to memory B cells*. *The Journal of experimental medicine*, 2001. **194**(11): p. 1625-38.
22. Toney, L.M., et al., *BCL-6 regulates chemokine gene transcription in macrophages*. *Nature Immunology*, 2000. **1**(3): p. 214-20.
23. Ye, B.H., et al., *The BCL-6 proto-oncogene controls germinal-centre formation and Th2-type inflammation*. *Nature Genetics*, 1997. **16**(2): p. 161-70.
24. Edelmann, W., et al., *Meiotic pachytene arrest in MLH1-deficient mice*. *Cell*, 1996. **85**(7): p. 1125-34.
25. Cattoretti, G., et al., *BCL-6 protein is expressed in germinal-center B cells*. *Blood*, 1995. **86**(1): p. 45-53.
26. Cattoretti, G., et al., *Bone marrow stroma in humans: anti-nerve growth factor receptor antibodies selectively stain reticular cells in vivo and in vitro*. *Blood*, 1993. **81**(7): p. 1726-38.
27. Cattoretti, G., et al., *Antigen unmasking on formalin-fixed, paraffin-embedded tissue sections*. *The Journal of Pathology*, 1993. **171**(2): p. 83-98.
28. Cattoretti, G., et al., *Monoclonal antibodies against recombinant parts of the Ki-67 antigen (MIB 1 and MIB 3) detect proliferating cells in microwave-processed formalin-fixed paraffin sections*. *The Journal of Pathology*, 1992. **168**(4): p. 357-63.
29. Soligo, D., et al., *Identification of CD34+ cells in normal and pathological bone marrow biopsies by QBEND10 monoclonal antibody*. *Leukemia : official journal of the Leukemia Society of America, Leukemia Research Fund, U.K.*, 1991. **5**(12): p. 1026-30.

30. Cattoretti, G., et al., *Terminal deoxynucleotidyl transferase-positive B cell precursors in fetal lymph nodes and extrahemopoietic tissues*. European Journal of Immunology, 1989. **19**(3): p. 493-500.
31. Cattoretti, G., et al., *Vimentin and p53 expression on epidermal growth factor receptor-positive, oestrogen receptor-negative breast carcinomas*. British journal of cancer, 1988. **57**(4): p. 353-7.
32. Avanzi, G.C., et al., *Selective growth response to IL-3 of a human leukaemic cell line with megakaryoblastic features*. British Journal of Haematology, 1988. **69**(3): p. 359-66.
33. Cantu Rajnoldi, A., et al., *Retrospective evaluation of M3 variant in children*. British Journal of Haematology, 1981. **49**(2): p. 315.

COMPLETE BIBLIOGRAPHY

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2. Pagni, F., et al., *The role of PAX5 and C/EBP alpha/beta in atypical non-Langerhans cell histiocytic tumor post acute lymphoblastic leukemia*. Leukemia, 2014.
3. Mainini, V., et al., *MALDI imaging mass spectrometry in glomerulonephritis: feasibility study*. Histopathology, 2014. **64**(6): p. 901-6.
4. Lombardi, C.M., et al., *Post-mortem micro-computed tomography (micro-CT) of small fetuses and hearts*. Ultrasound in obstetrics & gynecology : the official journal of the International Society of Ultrasound in Obstetrics and Gynecology, 2014.
5. Gendusa, R., et al., *Elution of High Affinity (>10-9 KD) Antibodies from Tissue Sections: Clues to the Molecular Mechanism and Use in Sequential Immunostaining*. The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society, 2014.
6. Buscone, S., et al., *Nasopharyngeal tonsils (adenoids) contain extrathymic corticothymocytes*. PLoS ONE, 2014. **9**(5): p. e98222.
7. Buscone, S., et al., *Whole-slide, quadruple immunofluorescence labeling of routinely processed paraffin sections*. Applied immunohistochemistry & molecular morphology : AIMM / official publication of the Society for Applied Immunohistochemistry, 2014. **22**(4): p. e1-7.
8. Mainini, V., et al., *Detection of high molecular weight proteins by MALDI imaging mass spectrometry*. Molecular bioSystems, 2013.
9. Calura, E., et al., *MiRNA landscape in stage I epithelial ovarian cancer defines the histotype specificities*. Clinical cancer research : an official journal of the American Association for Cancer Research, 2013. **19**(15): p. 4114-23.
10. Argentieri, M.C., et al., *Antibodies are forever: a study using 12-26-year-old expired antibodies*. Histopathology, 2013. **63**(6): p. 869-76.
11. Pilla, D., et al., *Tissue microarray design and construction for scientific, industrial and diagnostic use*. Journal of Pathology Informatics, 2012. **3**: p. 42.
12. Pagni, F., et al., *Primary angiitis of the central nervous system: 2 atypical cases*. Folia neuropathologica / Association of Polish Neuropathologists and Medical Research Centre, Polish Academy of Sciences, 2012. **50**(3): p. 293-299.
13. Marchini, S., et al., *The zinc finger gene ZIC2 has features of an oncogene and its overexpression correlates strongly with the clinical course of epithelial ovarian cancer*. Clinical cancer research : an official journal of the American Association for Cancer Research, 2012. **18**(16): p. 4313-4324.
14. Buda, A., et al., *Integration of hybrid single-photon emission computed tomography/computed tomography in the preoperative assessment of sentinel node in patients with cervical and endometrial cancer: our experience and literature review*. International journal of gynecological cancer : official journal of the International Gynecological Cancer Society, 2012. **22**(5): p. 830-835.
15. Angiero, F., et al., *Stromal phenotype of dental follicle stem cells*. Frontiers in bioscience, 2012. **4**: p. 1009-14.
16. Angiero, F., et al., *Nonsebaceous lymphadenoma of salivary gland: report of a case with immunohistochemistry and review of the literature*. Oral surgery, oral medicine, oral pathology and oral radiology, 2012. **114**(3): p. e41-7.
17. Marchini, S., et al., *Association between miR-200c and the survival of patients with stage I epithelial ovarian cancer: a retrospective study of two independent tumour tissue collections*. The Lancet Oncology, 2011. **12**(3): p. 273-85.
18. Angiero, F., et al., *Clinical and histopathological profile of primary or secondary osteosarcoma of the jaws*. Anticancer research, 2011. **31**(12): p. 4485-9.
19. Angiero, F., et al., *Amyloid deposition in the tongue: clinical and histopathological profile*. Anticancer research, 2010. **30**(7): p. 3009-14.
20. Cattoretti, G., et al., *Targeted disruption of the S1P2 sphingosine 1-phosphate receptor gene leads to diffuse large B-cell lymphoma formation*. Cancer Research, 2009. **69**(22): p. 8686-92.
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22. Chesi, M., et al., *AID-dependent activation of a MYC transgene induces multiple myeloma in a conditional mouse model of post-germinal center malignancies*. Cancer Cell, 2008. **13**(2): p. 167-80.
23. Parekh, S., et al., *BCL6 programs lymphoma cells for survival and differentiation through distinct biochemical mechanisms*. Blood, 2007. **110**(6): p. 2067-74.
24. Maeda, T., et al., *Regulation of B versus T lymphoid lineage fate decision by the proto-oncogene LRF*. Science, 2007. **316**(5826): p. 860-6.

25. Ward, J.M., et al., *Immunohistochemical markers for the rodent immune system*. Toxicologic Pathology, 2006. **34**(5): p. 616-30.
26. Shaknovich, R., et al., *Identification of rare Epstein-Barr virus infected memory B cells and plasma cells in non-monomorphic post-transplant lymphoproliferative disorders and the signature of viral signaling*. Haematologica, 2006. **91**(10): p. 1313-20.
27. Rego, E.M., et al., *Leukemia with distinct phenotypes in transgenic mice expressing PML/RAR alpha, PLZF/RAR alpha or NPM/RAR alpha*. Oncogene, 2006. **25**(13): p. 1974-9.
28. Kupumbati, T.S., et al., *Dominant negative retinoic acid receptor initiates tumor formation in mice*. Molecular cancer, 2006. **5**: p. 12.
29. Klein, U., et al., *Transcription factor IRF4 controls plasma cell differentiation and class-switch recombination*. Nature Immunology, 2006. **7**(7): p. 773-82.
30. Kashiwada, M., et al., *Downstream of tyrosine kinases-1 and Src homology 2-containing inositol 5'-phosphatase are required for regulation of CD4+CD25+ T cell development*. Journal of immunology, 2006. **176**(7): p. 3958-65.
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32. Cattoretti, G., et al., *Nuclear and cytoplasmic AID in extrafollicular and germinal center B cells*. Blood, 2006. **107**(10): p. 3967-3975.
33. Casola, S., et al., *Tracking germinal center B cells expressing germ-line immunoglobulin gamma1 transcripts by conditional gene targeting*. Proceedings of the National Academy of Sciences of the United States of America, 2006. **103**(19): p. 7396-401.
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37. Cattoretti, G., et al., *Deregulated BCL6 expression recapitulates the pathogenesis of human diffuse large B cell lymphomas in mice*. Cancer Cell, 2005. **7**(5): p. 445-55.
38. Cattoretti, G., et al., *PRDM1/Blimp-1 is expressed in human B-lymphocytes committed to the plasma cell lineage*. The Journal of Pathology, 2005. **206**(1): p. 76-86.
39. Houldsworth, J., et al., *Relationship between REL amplification, REL function, and clinical and biologic features in diffuse large B-cell lymphomas*. Blood, 2004. **103**(5): p. 1862-8.
40. Costoya, J.A., et al., *Essential role of Plzf in maintenance of spermatogonial stem cells*. Nature Genetics, 2004. **36**(6): p. 653-9.
41. Colovai, A.I., et al., *Flow cytometric analysis of normal and reactive spleen*. Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc, 2004. **17**(8): p. 918-27.
42. Basso, K., et al., *Tracking CD40 signaling during germinal center development*. Blood, 2004. **104**(13): p. 4088-96.
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45. Qu, X., et al., *Promotion of tumorigenesis by heterozygous disruption of the beclin 1 autophagy gene*. The Journal of clinical investigation, 2003. **112**(12): p. 1809-20.
46. Pasqualucci, L., et al., *Molecular pathogenesis of non-Hodgkin's lymphoma: the role of Bcl-6*. Leukemia & Lymphoma, 2003. **44 Suppl 3**: p. S5-12.
47. Niu, H., G. Cattoretti, and R. Dalla-Favera, *BCL6 controls the expression of the B7-1/CD80 costimulatory receptor in germinal center B cells*. The Journal of experimental medicine, 2003. **198**(2): p. 211-21.
48. Koppers, R., et al., *Identification of Hodgkin and Reed-Sternberg cell-specific genes by gene expression profiling*. The Journal of clinical investigation, 2003. **111**(4): p. 529-37.
49. Klein, U., et al., *Transcriptional analysis of the B cell germinal center reaction*. Proceedings of the National Academy of Sciences of the United States of America, 2003. **100**(5): p. 2639-44.
50. Klein, U., et al., *Gene expression dynamics during germinal center transit in B cells*. Annals of the New York Academy of Sciences, 2003. **987**: p. 166-72.
51. Gupta, S., et al., *Molecular cloning of IBP, a SWAP-70 homologous GEF, which is highly expressed in the immune system*. Human immunology, 2003. **64**(4): p. 389-401.

52. Falini, B., et al., *Expression of the IRTA1 receptor identifies intraepithelial and subepithelial marginal zone B cells of the mucosa-associated lymphoid tissue (MALT)*. *Blood*, 2003. **102**(10): p. 3684-92.
53. Shaknovich, R., et al., *A rare cause of nephrotic syndrome*. *American journal of kidney diseases : the official journal of the National Kidney Foundation*, 2002. **39**(4): p. 892-5.
54. Miller, I., et al., *IRTAs: a new family of immunoglobulinlike receptors differentially expressed in B cells*. *Blood*, 2002. **99**(8): p. 2662-9.
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90. Orazi, A., et al., *Frequent p53 overexpression in therapy related myelodysplastic syndromes and acute myeloid leukemias: an immunohistochemical study of bone marrow biopsies*. Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc, 1993. **6**(5): p. 521-5.
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