

| NAME | POSITION/TITLE |
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| Giorgio Cattoretti, MD | Associate Professor, Università di Milano-Bicocca and 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 - 6/16 Director, Dept. of Pathology (Surgical Pathology, Cytopathology, Nephropathology and Medical Genetics), Azienda SocioSanitaria Territoriale di Monza, Ospedale San Gerardo, Monza, Italy
8/06 - present Director, Residency program in Pathology, Università di Milano-Bicocca

Honors:

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

Selected Publications:

1. Scalia, C.R., et al., *Antigen Masking During Fixation and Embedding, Dissected*. Journal of Histochemistry & Cytochemistry, 2017. **65**(1): p. 5-20.

2. Bolognesi, M.M., et al., *Multiplex Staining by Sequential Immunostaining and Antibody Removal on Routine Tissue Sections*. Journal of Histochemistry & Cytochemistry, 2017. **65**(8): p. 431-444.
3. Scalia, C.R., et al., *Epitope Recognition in the Human-Pig Comparison Model on Fixed and Embedded Material*. J Histochem Cytochem, 2015. **63**(10): p. 805-822.
4. Boi, G., et al., *Disaccharides Protect Antigens from Drying-Induced Damage in Routinely Processed Tissue Sections*. J Histochem Cytochem, 2015. **64**(1): p. 18-31.
5. Zhang, T.-t., et al., *Dynamic expression of BCL6 in murine conventional dendritic cells during in vivo development and activation*. PLoS ONE, 2014. **9**(6): p. e101208.
6. Pagni, F., et al., *The role of PAX5 and C/EBP α/β in atypical non-Langerhans cell histiocytic tumor post acute lymphoblastic leukemia*. Leukemia : official journal of the Leukemia Society of America, Leukemia Research Fund, UK, 2014. **28**(6): p. 1377-1379.
7. Mainini, V., et al., *MALDI imaging mass spectrometry in glomerulonephritis: feasibility study*. Histopathology, 2014. **64**(6): p. 901-6.
8. 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.
9. 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*. J Histochem Cytochem, 2014. **62**(7): p. 519-531.
10. Buscone, S., et al., *Nasopharyngeal tonsils (adenoids) contain extrathymic corticothymocytes*. PLoS ONE, 2014. **9**(5): p. e98222.
11. Mainini, V., et al., *Detection of high molecular weight proteins by MALDI imaging mass spectrometry*. Molecular bioSystems, 2013. **9**(6): p. 1101-7.
12. Cattoretti, G., *MYC expression and distribution in normal mature lymphoid cells*. The Journal of Pathology, 2013. **229**(3): p. 430-40.
13. Bombelli, S., et al., *PKH(high) cells within clonal human nephrospheres provide a purified adult renal stem cell population*. Stem cell research, 2013. **11**(3): p. 1163-77.
14. Argentieri, M.C., et al., *Antibodies are forever: a study using 12-26-year-old expired antibodies*. Histopathology, 2013. **63**(6): p. 869-76.
15. Pilla, D., et al., *Tissue microarray design and construction for scientific, industrial and diagnostic use*. Journal of Pathology Informatics, 2012. **3**: p. 42.
16. 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.
17. 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.
18. 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.
19. 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.

COMPLETE BIBLIOGRAPHY

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2. Cattoretti, G., et al., *Multiple Iterative Labeling by Antibody Neodeposition (MILAN) Protocol Exchange*, 2018.
3. Bombelli, S., et al., *Nephrosphere-Derived Cells Are Induced to Multilineage Differentiation when Cultured on Human Decellularized Kidney Scaffolds*. *Am J Pathol*, 2018. **188**(1): p. 184-195.
4. Scalia, C.R., et al., *Antigen Masking During Fixation and Embedding, Dissected*. *Journal of Histochemistry & Cytochemistry*, 2017. **65**(1): p. 5-20.
5. Dominguez-Sola, D. and G. Cattoretti, *Analysis of the Germinal Center Reaction in Tissue Sections*. *Methods in molecular biology (Clifton, N.J.)*, 2017. **1623**: p. 1-20.
6. Bolognesi, M.M., et al., *Multiplex Staining by Sequential Immunostaining and Antibody Removal on Routine Tissue Sections*. *Journal of Histochemistry & Cytochemistry*, 2017. **65**(8): p. 431-444.
7. Calura, E., et al., *A prognostic regulatory pathway in stage I epithelial ovarian cancer: new hints for the poor prognosis assessment*. *Annals of Oncology*, 2016. **27**(8): p. 1511-1519.
8. Scalia, C.R., R. Gendusa, and G. Cattoretti, *A 2-Step Laemmli and Antigen Retrieval Method Improves Immunodetection*. *Appl Immunohistochem Mol Morphol*, 2015. **24**: p. 436-446.
9. Scalia, C.R., et al., *Epitope Recognition in the Human-Pig Comparison Model on Fixed and Embedded Material*. *J Histochem Cytochem*, 2015. **63**(10): p. 805-822.
10. Boi, G., et al., *Disaccharides Protect Antigens from Drying-Induced Damage in Routinely Processed Tissue Sections*. *J Histochem Cytochem*, 2015. **64**(1): p. 18-31.
11. Zhang, T.-t., et al., *Dynamic expression of BCL6 in murine conventional dendritic cells during in vivo development and activation*. *PLoS ONE*, 2014. **9**(6): p. e101208.
12. Zannella, S., et al., *Peritoneal Malignant Mesothelioma Metastatic to Supraclavicular Lymph Nodes*. *International journal of surgical pathology*, 2014.
13. Pagni, F., et al., *The role of PAX5 and C/EBP α/β in atypical non-Langerhans cell histiocytic tumor post acute lymphoblastic leukemia*. *Leukemia : official journal of the Leukemia Society of America, Leukemia Research Fund, UK*, 2014. **28**(6): p. 1377-1379.
14. Mainini, V., et al., *MALDI imaging mass spectrometry in glomerulonephritis: feasibility study*. *Histopathology*, 2014. **64**(6): p. 901-6.
15. 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.
16. Gendusa, R., et al., *Elution of High Affinity (>10⁹ KD) Antibodies from Tissue Sections: Clues to the Molecular Mechanism and Use in Sequential Immunostaining*. *J Histochem Cytochem*, 2014. **62**(7): p. 519-531.
17. Buscone, S., et al., *Nasopharyngeal tonsils (adenoids) contain extrathymic corticothymocytes*. *PLoS ONE*, 2014. **9**(5): p. e98222.
18. Buscone, S., et al., *Whole-slide, quadruple immunofluorescence labeling of routinely processed paraffin sections*. *Appl Immunohistochem Mol Morphol*, 2014. **22**(4): p. e1-7.
19. Pagni, F., et al., *The plasmablasts in Castleman disease*. *American J Clin Pathol*, 2013. **139**(4): p. 555-9.
20. Marchini, S., et al., *Resistance to platinum-based chemotherapy is associated with epithelial to mesenchymal transition in epithelial ovarian cancer*. *European journal of cancer*, 2013. **49**(2): p. 520-30.
21. Mainini, V., et al., *Detection of high molecular weight proteins by MALDI imaging mass spectrometry*. *Molecular bioSystems*, 2013. **9**(6): p. 1101-7.
22. Cattoretti, G., *MYC expression and distribution in normal mature lymphoid cells*. *The Journal of Pathology*, 2013. **229**(3): p. 430-40.
23. 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. 4114-4123.
24. Bombelli, S., et al., *PKH(high) cells within clonal human nephrospheres provide a purified adult renal stem cell population*. *Stem cell research*, 2013. **11**(3): p. 1163-77.
25. Argentieri, M.C., et al., *Antibodies are forever: a study using 12-26-year-old expired antibodies*. *Histopathology*, 2013. **63**(6): p. 869-76.

26. Pilla, D., et al., *Tissue microarray design and construction for scientific, industrial and diagnostic use*. Journal of Pathology Informatics, 2012. **3**: p. 42.
27. Pagni, F., et al., *Primary angitis 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. 293-9.
28. 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.
29. Marchini, S., et al., *Resistance to platinum-based chemotherapy is associated with epithelial to mesenchymal transition in epithelial ovarian cancer*. Eur J Cancer, 2012.
30. 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. 830-5.
31. Angiero, F., et al., *Stromal phenotype of dental follicle stem cells*. Frontiers in bioscience, 2012. **4**: p. 1009-14.
32. 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.
33. 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.
34. Angiero, F., et al., *Clinical and histopathological profile of primary or secondary osteosarcoma of the jaws*. Anticancer research, 2011. **31**(12): p. 4485-9.
35. Angiero, F., et al., *Amyloid deposition in the tongue: clinical and histopathological profile*. Anticancer research, 2010. **30**(7): p. 3009-14.
36. 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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38. 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.
39. Parekh, S., et al., *BCL6 programs lymphoma cells for survival and differentiation through distinct biochemical mechanisms*. Blood, 2007. **110**(6): p. 2067-74.
40. 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.
41. Ward, J.M., et al., *Immunohistochemical markers for the rodent immune system*. Toxicologic Pathology, 2006. **34**(5): p. 616-30.
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44. Kupumbati, T.S., et al., *Dominant negative retinoic acid receptor initiates tumor formation in mice*. Molecular cancer, 2006. **5**: p. 12.
45. Klein, U., et al., *Transcription factor IRF4 controls plasma cell differentiation and class-switch recombination*. Nature Immunology, 2006. **7**(7): p. 773-82.
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49. 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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58. Basso, K., et al., *Tracking CD40 signaling during germinal center development*. *Blood*, 2004. **104**(13): p. 4088-96.
59. Shaknovich, R., et al., *Novel relational database for tissue microarray analysis*. *Archives of pathology & laboratory medicine*, 2003. **127**(4): p. 492-4.
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61. 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. 1809-1820.
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67. 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.
68. 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.
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70. Basso, K., et al., *Tracking CD40 Signaling during Normal Germinal Center Development by Gene Expression Profiling*. *Annals of the New York Academy of Sciences*, 2003. **987**: p. 288-290.
71. 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. 892-895.
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77. Klein, U., et al., *Gene expression profiling of B cell chronic lymphocytic leukemia reveals a homogeneous phenotype related to memory B cells*. *J Exp Med*, 2001. **194**(11): p. 1625-38.
78. Hatzivassiliou, G., et al., *IRTA1 and IRTA2, novel immunoglobulin superfamily receptors expressed in B cells and involved in chromosome 1q21 abnormalities in B cell malignancy*. *Immunity*, 2001. **14**(3): p. 277-89.
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81. Toney, L.M., et al., *BCL-6 regulates chemokine gene transcription in macrophages*. *Nature Immunology*, 2000. **1**(3): p. 214-20.
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87. Borggrefe, T., et al., *Cellular, intracellular, and developmental expression patterns of murine SWAP-70*. *European Journal of Immunology*, 1999. **29**(6): p. 1812-22.
88. Angelin-Duclos, C., et al., *Role of B-lymphocyte-induced maturation protein-1 in terminal differentiation of B cells and other cell lineages*. *Cold Spring Harbor symposia on quantitative biology*, 1999. **64**: p. 61-70.
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90. Cattoretti, G., [Men, pathology, and mice]. *Pathologica*, 1998. **90**(1): p. 1-4.
91. 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.
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99. Flenghi, L., et al., *A specific monoclonal antibody (PG-B6) detects expression of the BCL-6 protein in germinal center B cells*. *The American journal of pathology*, 1995. **147**(2): p. 405-11.
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101. Caneva, L., et al., *Immuno-electron microscopy characterization of human bone marrow stromal cells with anti-NGFR antibodies*. *Blood cells, molecules & diseases*, 1995. **21**(2): p. 73-85.
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104. Orazi, A., et al., *Terminal deoxynucleotidyl transferase staining in acute leukemia and normal bone marrow in routinely processed paraffin sections*. *American J Clin Pathos*, 1994. **102**(5): p. 640-5.
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