

CURRICULUM VITAE

SERGIO PIOMELLI, MD *Born:* March 29, 1931, Naples, Italy

Education: 1948 BA, Liceum J. Sannazzaro, Naples, Italy
 1954 MD, *Magna Cum Laude*, University of Naples, Italy, Medical School

Training: **UNIVERSITY OF NAPLES, Italy Medical School**
 1954-1957 Intern and Resident in Medicine

Academic Appointments:**TUFTS UNIVERSITY, Medical School**

1957-1958 Fellow in Medicine

HARVARD UNIVERSITY, Medical School

1958-1960 Assistant in Medicine

UNIVERSITY OF ROME, Italy

1960-1963 Established Investigator, National Research Council

THE MOUNT SINAI HOSPITAL OF NEW YORK

1963-1964 Associate in Hematology

NEW YORK UNIVERSITY, Medical School

1964-1967 Assistant Professor of Pediatrics

1967-1970 Associate Professor of Pediatrics

1970-1979 Professor of Pediatrics

COLUMBIA UNIVERSITY, College of Physicians & Surgeons

1979-2005 Professor of Pediatrics

1990-2005 James A. Wolff Professor of Pediatrics

Hospital and Professional Appointments:**NEW YORK UNIVERSITY, Medical School**

1964-1979 Director, Pediatric Hematology/Oncology Division

COLUMBIA UNIVERSITY, College of Physicians & Surgeons

1979-2005 Director, Pediatric Hematology/Oncology Division

1983-2006 Director, Comprehensive Sickle Cell Center

Non-Academic Appointments:

1974-1982 Center for Disease Control, Lead Poisoning Advisory Board, Atlanta, GA

1974-1993 Mayor's Lead Poisoning Advisory Board, New York, N.Y.

1975-1977 President's Council on Environmental Quality, Washington, D.C.

1976-1981 Current Topics in Hematology, A. Liss Publ. N. Y., Editor (with S. Yachnin)

1977-1987 Cooley's Anemia Foundation, Chairman, Medical Advisory Board

2001-2003 Center for Disease Control, Lead Poisoning Advisory Board, Atlanta, GA

Honors:

1954 Fellow, French Government, Blood Transfusion Center, Paris, France

1964-1973 Career Scientist, Health Research Council of the City of New York

1968-1969 Visiting Professor of Hematology, Medische Faculteit, Rotterdam, Holland

1977 Fellow, New York Academy of Science

1983 Fellow, American Academy of Pediatrics

PUBLICATIONS:

1. Lee M, **Piomelli S**, Granger S, Miller S, Harkness S, Brambilla D, Adams R. Stroke prevention trial in sickle cell anemia (STOP): extended follow-up and final results. *Blood* 108: 847:852, 2006.
2. **Piomelli S**, Hirsh D, Corash L Isolation of normoblasts from peripheral blood on discontinuous gradient of arabino-galactane: a tool for non invasive prenatal Diagnosis. *Ann NY Acad Sc.* 1054: 504-506, 2005
3. **Piomelli S** The controversy about splenectomy. *Ann NY Acad Sc.* . 1054: 511-513, 2005
4. Days N, Tadin M, Christiano AM, Lanzano P, **Piomelli S**, Brown S. Rapid prenatal diagnosis of sickle cell diseases using oligonucleotide ligation assay coupled with laser-induced fluorescence detection. *Prenat Diagn* , 68-69-2004.
5. **Piomelli S**, Corash L Separation of nucleated cells from whole blood by buoyant density using ultracentrifugation on arabino-galactane discontinuous gradients. *Blood* 100:3574, 2003
6. Day NS, **Piomelli S** Diagnosis of alpha thalassemia: screening for the alpha ^{-3.7} allele. *Blood, (abs)* 100:3559, 2002.
7. Howard, C, Dampier, K, Kalinyak, A, Lail, W, Mentzer, **S. Piomelli**, E. Radel, S. Space, T. Coates Hydroxyurea Use in Children: Preliminary Results from the Comprehensive Sickle Cell Centers Common Database. *Blood, (abs)* 100: 1764, 2002
8. T. Coates, C. Dampier, G. Evans, K. Kalinyak, A. Lail, W. Mentzer, **S. Piomelli**, E. Radel, S.Space, T. Howard. Prevalence of Parvovirus B19 Infection in a Cohort of Children and Adolescents with Sickle Cell Disease. *Blood, (abs)* 100: 1766, 2002
9. **Piomelli S**. Childhood lead poisoning. *Pediatr Clin North Am.* 49:1285-1304, 2002
10. Day NS, Tadin M, Christiano AM, Lanzano P, **Piomelli S**, Brown S. Rapid prenatal diagnosis of sickle cell diseases using oligonucleotide ligation assay coupled with laser-induced capillary fluorescence detection. *Prenat Diagn.* 22:686-691, 2002
11. Day NS, **Piomelli S** Diagnosis of alpha thalassemia: screening for the alpha ^{-3.7} allele. *Blood* 100:3559,2002
12. Murakami K, Kanno H, Miwa S, **Piomelli S**. Human HKR isozyme: organization of the hexokinase I gene, the erythroid- specific promoter, and transcription initiation site. *Mol Genet Metab.* 67:118-130, 2001.
13. Sheth S, Dimichele D, Lee M, Lamour J, Quaegebeur J, Hsu D, Addonizio L, **Piomelli S**. Heart transplant in a factor VIII-deficient patient with a high-titre inhibitor: perioperative management using high-dose continuous infusion factor VIII and recombinant factor VIIIa. *Haemophilia.* 7:227-232, 2000.
14. Murakami K and **Piomelli S**: The RBC-Specific Hexokinase Isozyme (HK_R) is Derived from the Common Isozyme HK_I Gene by Usage of Alternate Promoter and Alternate Splicing. *Molec Gen & Metabolism*, 67:118-130, 2000
15. Sheth S, Ruzal-Shapiro C, **Piomelli S**, Berdon WE. CT imaging of splenic sequestration in sickle cell disease. *Pediatr Radiol.* 30:830-833, 2000..
16. Tancabelic J, Sheth S, Paik M, **Piomelli S**. Serum transferrin receptor as a marker of erythropoiesis suppression in patients on chronic transfusion. *Am J Hematol.* 60:121-125, 1999.
17. Tancabelic J, Sheth S, Paik M and **Piomelli S**: Serum transferrin Receptor as a Marker of Erythropoiesis Suppression in Patients on Chronic Transfusion. *Am. J. Hematology* 60:121-125, 1999.
18. Sheth S, Ruzal-Shapiro AC, Hurllet-Jensen A, **Piomelli S**, Berdon WE: Pulmonary embolism developing in patients with sickle cell disease on hypertransfusion and IV deferoxamine chelation therapy *Ped Radiol* 12: 926-928. 1998

19. Poh-Fitzpatrick MB, **Piomelli S**, Deybach JC, et al. Erythropoietic protoporphyria: A triallelic inheritance model. *J Invest Dermatol* 108: 362-363 1997
20. Vichinsky EP, Styles LA, Colangelo LH, et al. Acute chest syndrome in sickle cell disease: Clinical presentation and course. *Blood* 89: 1787-1792, 1 1997
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22. Murakami K and **Piomelli S**: Identification of the cDNA for the Human Red Blood Cell-Specific Hexokinase Isozyme. *Blood* 89:762-766, 1997.
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26. Levin T, Sheth S, Berdon W, Ruzal-Shapiro C, **Piomelli S**: Deferoxamine-induced platysplondyly in hypertransfused thalassemic patients. - *Ped Rad*, 25, Supplement S122-S124, 1995.
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66. **Piomelli, S**: Phosphofructokinase (PFK) Deficiency, Glycogenosis, Type VII. *Birth Defects Encyclopedia*, Alan R. Liss, Inc. N.Y. pp 801-802, 1990
67. **Piomelli S**: Childhood Blood Disorders. In: *The Columbia University College of Physicians & Surgeons Complete Guide to Early Childhood Care*. Cunningham N, Tapley DF (eds) Crown Publ, NY :295-306, 1990.
68. Lerner N, Blei F, Bierman F, Johnson L, **Piomelli S**: Chelation Therapy and Cardiac Status in Older Patients with Thalassemia Major. *Am J Ped Hem/Onc* 12:56-60, 1990.
69. Murakami K, Blei F, Tilton W, Seaman C, **Piomelli S**: An Isozyme of Hexokinase Specific for the Human Red Blood Cell (HK_R). *Blood* 75:770-775, 1990.
70. **Piomelli S**: The Possible Role of Genetic Modifiers in; the Clinical Severity of Sickle Cell Syndromes: In *Sickle Cell Diseases* Whittens C, Bertles C (eds) *Ann NY AC Scien* 565:207-210, 1989
71. Buckley JD, Lampkin BC, Nesbit ME, Bernstein ID, Feig SA, Kersey JH, **Piomelli S**, Kim TH, Hammond GD. Remission Induction in Children With Acute Non-Lymphocytic Leukemia Using Cytosine Arabinoside and Doxorubicin or Daunorubicin: A Report from CCSG. *Med Pediatr Oncol* 17:382-390, 1989.
72. Pavlakis SG, Prohovnik I, **Piomelli S**, DeVivo DC.: Neurologic complications of sickle cell disease. In *Advances in Pediatrics*. Barness LA, DeVivo DC, Morrow Gill, Oski F, Rudolph AM (eds) Year Book Medical Publishers, Inc, Chicago, London, Boac Raton, Vol. 36, pp 247-271, 1989.
73. **Piomelli S**: Cooley's Anemia Management: 25 Years of Progress. In *Advances and Controversies in Thalassemia Therapy: Bone Marrow Transplantation and Other Approaches*. Buckner CD, Gale RP, Lucarelli G (eds) Alan R. Liss, NY, pp 23-26, 1989.
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76. Pavlakis SG, Bello J, Prohovnik I, Sutton M, Ince C, Mohr JP, **Piomelli S**, Hilal S, DeVivo DC.: Brain Infarction in Sickle Cell Anemia: Magnetic Resonance Imaging Correlates. *Ann Neur* 23:125-30, 1988
77. **Piomelli S**, Needleman HL, Rosen JF: Lead Poisoning. *AAP Pediatric Update*, Vol. 9 (4), 1988.
78. **Piomelli S**: Acute Lymphoblastic Leukemia (ALL) in Children: Current Perspective on Treatment. *International Multidisciplinary Meetings on Development*, Ed CMS - Turin, pp 153-158, 1988.
79. **Piomelli S**: Commentary to Danon D, Marikowsky Y: The Aging of the Red Blood Cell. A multifactor Process. *Blood Cells* 14:16-18, 1988.
80. **Piomelli S**: Commentary to Beutler E: The Relationship of Red Cell Enzymes to Red Cell Life-Span. *Blood Cells* 14:81-86, 1988.
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86. **Piomelli S**: The Diagnostic Utility of Measurements of Erythrocyte Porphyrins. *Hematology/Oncology Clinics of North America* 1:419-430, 1987.
87. **Piomelli S**: G6PD Deficiency and Related Disorders of the Pentose Pathway. Chapter in: *Hematology of Infancy and Childhood*, 3rd Ed. Nathan D, Oski F, (eds), WB Saunders, Philadelphia, pp. 583-612, 1987.
88. **Piomelli S**: Lead Poisoning. Chapter in: *Hematology of Infancy and Childhood*, 3rd Edition. Nathan D, Oski F (eds), WB. Saunders, Philadelphia, pp. 389-412, 1987.
89. **Piomelli S**, Seaman C, Corash L. How do Red Cell Enzymes Age? Hypothesis and Facts. *Brit J Haemat* 64:407-408, 1986.
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93. **Piomelli S**: Chronic Transfusions in Patients with Sickle Cell Disease. Indications and Problems. *Am J Ped Hem/Onc* 7:51-55, 1985.
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