

CURRICULUM VITAE

**James F. Casella, M.D.**  
Professor of Pediatrics and Oncology  
Chief, Division of Pediatric Hematology

Current Appointments

University: Professor of Pediatrics and Oncology  
The Johns Hopkins University  
Baltimore, Maryland

Adjunct Senior Investigator, Pediatric Oncology Branch  
Division of Clinical Sciences, National Cancer Institute  
National Institutes of Health

Chief  
Division of Pediatric Hematology  
The Johns Hopkins University School of Medicine  
Baltimore, Maryland

Director  
The Maryland Hemophilia Treatment Center  
At Johns Hopkins

Hospital: Active Staff  
The Johns Hopkins Hospital  
St. Agnes Hospital (Consultant)

Addresses:

Office: The Johns Hopkins University  
School of Medicine  
Ross 1125  
720 Rutland Avenue  
Baltimore, Maryland 21205

(410) 955-6132

Laboratory: The Johns Hopkins University  
School of Medicine  
Ross 1129  
720 Rutland Avenue  
Baltimore, Maryland 21205

(410) 614-0708

Educational and Academic Experience

1972 BS Mathematics, Union College,  
Schenectady, New York

1976 MD SUNY-Upstate Medical Center  
Syracuse, New York

1976-79 Fellow, The Johns Hopkins University  
School of Medicine, Baltimore, Maryland

1976-79 Intern, Assistant Resident and

	Senior Assistant Resident in Pediatrics The Johns Hopkins Hospital Baltimore, Maryland
1979-80	Fellow, Hematology-Oncology The Johns Hopkins Hospital Baltimore, Maryland
1980-81	Assistant in Oncology and Pediatrics The Johns Hopkins Hospital Baltimore, Maryland
1980-81	Fellow-by-Courtesy Department of Biophysics The Johns Hopkins University Baltimore, Maryland
1980-82	Consultant in Pediatric Hematology St. Agnes Hospital Baltimore, Maryland
1981-83	Senior Clinical Fellow in Pediatrics and Hematology, The Johns Hopkins Hospital Baltimore, Maryland
1981-83	Postdoctoral Fellow, Department of Biophysics The Johns Hopkins University Baltimore, Maryland
1983-84	Associate Research Scientist, Department of Biophysics, The Johns Hopkins University, Baltimore, Maryland
1983-89	Assistant Professor of Pediatrics, Division of Hematology The Johns Hopkins University Baltimore, Maryland
1989-1998	Associate Professor of Pediatrics, Division of Hematology The Johns Hopkins University Baltimore, Maryland

Educational and Academic Experience (continued)

1993-present	Director, Comprehensive Hemophilia Clinic The Johns Hopkins/St. Agnes Hospitals Baltimore, Maryland
1996-1998	Acting Director, Division of Pediatric Hematology The Johns Hopkins Hospital Baltimore, Maryland
1998-present	Professor of Pediatrics, Division of Hematology The Johns Hopkins University Baltimore, Maryland
1996-present	Co-Director, Hematology/Oncology Fellowship Program The Johns Hopkins Hospital Baltimore, Maryland
1998-present	Chief, Division of Pediatric Hematology The Johns Hopkins Hospital Baltimore, Maryland

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1997-2003	Faculty, Graduate Program in Cellular and Molecular Medicine The Johns Hopkins University Baltimore, Maryland
1999-present	Rainey Professor of Pediatric Hematology The Johns Hopkins University Baltimore, Maryland
1999-present	Adjunct Senior Investigator, Pediatric Oncology Branch Division of Clinical Sciences, National Cancer Institute National Institutes of Health

Honors and Awards

1972	Phi Beta Kappa
1972	Summa Cum Laude, Union College
1981-82	Postdoctoral Research Fellow American Heart Association Maryland Affiliate Award
1982-84	Postdoctoral Research Fellow National Research Service - Individual Award
1986	Honorable Mention Young Investigator Award for Pediatric Research (Society for Pediatric Research)
1988	John Howland Award Outstanding Manuscript by a Faculty Member in the Department of Pediatrics
1991-1996	Established Investigator Award American Heart Association
1997	Alexander J. Schaffer Award For Outstanding Clinical Teaching of House Officers

Certifications

1982	American Academy of Pediatrics - General Pediatrics
1982	Sub. Board of Pediatric Hematology-Oncology

Membership and Activities in Professional SocietiesPast

American Association for the Advancement of Science  
 American Society for Cell Biology  
 Program Committee - American Society of Cell Biology (ASCB) Meetings -1991

Current

American Society of Hematology  
 Society for Pediatric Research

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James F. Casella, M.D.

American Society of Pediatric Hematology/Oncology

Medical Advisor, National Hemophilia Foundation  
Maryland ChapterEditorial Board – *Pediatrics*University, Hospital, and Advisory Committees

2007 – present	Member, Johns Hopkins Cultural Competency Advisory Board
2006 – present	Member, Johns Hopkins Task Force on Biospecimen Processing and Storage
2003 - present	Member, Protocol Review Committee for the Clinical Trials Consortium NHLBI Comprehensive Sickle Cell Center (CSCC) program
2002 - present	Data Safety Monitoring Board, Intramural Program National Heart, Lung and Blood Institute National Institutes of Health, Bethesda, Maryland
2002 - present	Research Subject Advocate - Faculty Advisor General Clinical Research Centers at The Johns Hopkins Medical Institutions and Neuro-Behavioral Research Unit at The Kennedy Krieger Institute
2002 - 2004	Hematology Search Committee (Internal Medicine)

University, Hospital, and Advisory Committees (continued)

2001 - 2004	STOP II Executive Committee
2000 - present	BABY HUG Steering Committee
1999 - present	GCRC Advisory Committee
1999 - present	Department of Pediatrics Promotions Committee
1999	Hematology Search Committee (Internal Medicine)
1999 - 2000	Pediatric Oncology Search Committee
1999 - 2005	General Pediatrics and Adolescent Search Committee
1999 - 2002	Medical School Council - Agenda Committee - Johns Hopkins University
1998 - 2002	Medical School Council - Johns Hopkins University School of Medicine
1998 - present	PCRU Protocol Review Sub-Committee
1996 - present	Residency Curriculum Review Committee -Pediatrics
1995 - present	Transfusion Practices Committee
1995 - present	Coopersmith Visiting Lectureship Committee (Chair)
1995 2002	Chairman, Blood Products Committee Member, Research Committee Region III Hemophilia Grantees Maternal and Child Health Bureau and Centers for Disease Control

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1991 - present	Advisory Council - Pediatric Oncology/Hematology Training Grant
1991 - present	Pediatric Core Facility Committee - (Chair 1995 - present)
1986 - present	Shared Equipment Committee - Pediatrics - (Chair)
1990 and 1992	Internship Selection Committee - Pediatrics

Study Sections

Section	2006	American Society of Hematology 2006 Clinical Research Training Institute Study
	2005	NIH National Institute of Neurologic Disorders and Stroke Review Committee
	2003	Maternal and Child Health Bureau, Hemophilia Regional Project Grants Objective Review Committee (ORC)
	2002	National Heart, Lung, and Blood Institute Special Emphasis Panel Comprehensive Sickle Cell (CSC) Centers
	2002	Maternal and Child Health Bureau, Hemophilia Regional Project Grants Objective Review Committee (ORC)

Study Sections

	1999	Section	NIH Clinical Cardiovascular Sciences Special Emphasis Panel Study - Scientific Reviewer
	1996		American Heart Association, Maryland Chapter - Ad hoc reviewer
	1995		NIH - Ad Hoc Reviewer - K08 awards
	1991 - present		NSF Grants - Ad Hoc Reviewer - Cell Biology Section
	1991 and 1992		American Heart Association, Maryland Chapter

Special Emphasis Panel

	2006	National Heart Lung and Blood Institute Strategic Planning Working Group Division of Blood Diseases and Resources
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Teaching - (Active)

Clinical Immunology Course 2002, Lecture for Allergy/Immunology Fellows

Blood Disease Core Curriculum, Year II, Lecturer and Group Laboratory Leader

General Pediatric Ward Attending, Year III and IV Medical Students, Pediatric Housestaff, 1 month/year

Pediatric Hematology Attending, Year III and IV Medical Students, Pediatric Housestaff, 3-6 months/year

Hematology Grand Rounds, Pediatric organizer, 1989- 2001

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James F. Casella, M.D.

Core Lectures in Pediatric Hematology (weekly lectures), organizer and participant

Medical Student Elective in Pediatric Hematology, Director, 1996-present

Pediatric Hematology Multidisciplinary Weekly Clinic Conference - CME accredited, organizer

Coopersmith Visiting Lectureship in Pediatric Hematology, organizer

Teaching - (Inactive)

Journal Club - Year I Basic Science Curriculum - weekly sessions, 1997-98

Selected Recent Invited Lectures And Visiting Professorships

2007– March 3-4	The 17 <sup>th</sup> Dartmouth Pediatric Conference - Hanover, New Hampshire “Pediatric Journal Club” and “Anemia”
2005 – September 21 <sup>st</sup>	Grand Rounds - Department of Pediatrics, Johns Hopkins University School of Medicine, “Cerebral Injury in Sickle Cell Disease and the Silent Infarction Transfusion (SIT) Trial”
2005 – September 9 <sup>th</sup>	Sickle Cell Disease Association of America Meeting – Baltimore, Maryland <ol style="list-style-type: none"> <li>1) Silent Cerebral Infarctions and the SIT Trial: What They Mean to You and Your Child.</li> <li>2) <u>Panel Discussion</u>: Active Trials in the Baltimore/Washington Sickle Cell Research Consortium: Perspective from the Investigators and Research Participants</li> </ol>
2004 – November 8 <sup>th</sup>	SIT Trial Investigator Meeting – St. Louis, Missouri “Biological Repository for the SIT Trial”
2004 – October 14 <sup>th</sup>	Anne Arundel Medical Center – Annapolis, Maryland “Sickle Cell Disease”
2004 – March 7 <sup>th</sup>	Consortium Meeting – St. Louis, Missouri – Neurological-Hematology “Genetics of Stroke”
2003 – June 9 <sup>th</sup>	Consortium Meeting – St. Louis, Missouri – Neurological-Hematology “Genetics of Stroke in Sickle Cell Disease”
2003 – March 2 <sup>nd</sup>	The 13 <sup>th</sup> Dartmouth Pediatric Conference – Featured Speaker Hanover, New Hampshire, “Hypercoagulability in Children: What Does a Pediatrician Need to Know?”
2003 – March 1 <sup>st</sup>	The 13 <sup>th</sup> Dartmouth Pediatric Conference – Hanover, New Hampshire “Pediatric Hematology Journal Club: Did You Miss These Important Articles?”
2003 – February 28 <sup>th</sup>	The 13 <sup>th</sup> Dartmouth Pediatric Conference - Hanover, New Hampshire “Pediatric Petechiae, (ITP)”
2002 - September 11 <sup>th</sup>	Grand Rounds - Department of Pediatrics, Johns Hopkins University School of Medicine, ANew Therapies for Sickle Cell Disease@
2002 - April 30 <sup>th</sup> -	Grand Rounds - The Children=s Hospital at Sinai ANew Molecular and Cellular

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James F. Casella, M.D.

- Approaches to the Therapy of Sickle Cell Disease@
- 2002 - January 24<sup>th</sup> - Grand Rounds - Johns Hopkins Department of Pathology  
ANew Molecular and Cellular Approaches to Sickle Cell Disease@
- 2001 - April 28<sup>th</sup> - ASPHO/SPR 2001 - Baltimore, Maryland  
ANew Molecular Therapeutic and Diagnostic Approaches in Hematology/Oncology@ Session Chair  
Title of talk: ANew Molecular Approaches to the Treatment of Sickle Cell Disease@ - Presented to a combined session of the American Society of Pediatric Hematology/Oncology and the Pediatric Research Societies
- 1999 - December 10<sup>th</sup> - Grand Rounds - St. Agnes Hospital, Department of Pediatrics,  
AThrombosis in Children: Protein C Revisited@
- 1999 - February 2<sup>nd</sup> - Annual Symposium College Health 1999 - University of Maryland At College Park, University Health Center,  
AProtein C and Its Implications for a College Population@
- 1998 - March 3<sup>rd</sup> - Grand Rounds - Johns Hopkins Bayview Medical Center,  
Department of Pediatrics, ACoagulation Disorders in Children/Case Presentation@
- 1997 - September 3<sup>rd</sup> - Grand Rounds - Yale University, Department Of Pediatrics,  
A A 16-Year Old Female with Deep Venous Thrombosis - Protein C Revisited.@
- 1997 - September 4<sup>th</sup> - Departmental Research Conference - Yale University, AMolecular Analysis of An Actin-Binding Protein, Cap Z: From Platelets to Muscle to Platelets.@
- 1997 - July 20-26<sup>th</sup> - Visiting Professorship in Pediatric Hematology/Oncology: University of New Mexico Health Sciences Center at Albuquerque
- 1997 - April - Region III Hemophilia Meetings – MCH  
ASports and Hemophilia@
- 1997 - April - ATrends in Pediatrics@ (Teaching Course for Pediatricians) - ANeonatal Alloimmune Thrombocytopenia.@
- 1997 - March - Grand Rounds - Department of Pediatrics, Johns Hopkins University School of Medicine, A A 16-Year Old Female with Deep Venous Thrombosis - Protein C Revisited.@
- 1996 - April - ATrends in Pediatrics@ - Johns Hopkins - APediatric Journal Club.@
- 1995 - September - University of Rochester - Department of Pediatrics ,  
AMolecular Analysis of An Actin-Capping Protein, Cap Z.@

Selected Recent Invited Lectures And Visiting Professorships (continued)

- 1995 - April - ATrends in Pediatrics@ - Johns Hopkins - AEvaluation of Anemia in Female Adolescents.@
- 1995 - February - Grand Rounds - Department of Pediatrics, Johns Hopkins University School of Medicine, ANeonatal Alloimmune Thrombocytopenia@
- 1994 - Spring American Academy of Pediatrics - Invited Poster,

1993 - December - Special Emphasis Meeting for NIH grantees, Neonatal Alloimmune Thrombocytopenia) - AExpression and Purification of functional recombinant PI<sup>A1</sup> and PI<sup>A2</sup> epitopes®

1993 - April Cold Spring Harbor Laboratory Symposium on Quantitative Biology, AInteraction of Cap Z Variants and Mutants with Actin.®

Active Grant Support

2006-2011 NIH-NHLBI - ! K12 HL087169-01 – Principal Investigator Clinical Hematology Research Development Program (K12) at Johns Hopkins  
September 1, 2006 – August 31, 2011

2003-2009 NIH-NHLBI - Coinvestigator and Deputy Chair, PI, Johns Hopkins Site Silent Cerebral Infarct Multi-Center Clinical Trial  
August 1, 2003 – December 31, 2009

2002-2008 NIH-NHLBI No. 1U01-HL72191-01 - Coinvestigator, Johns Hopkins Site  
Transfusion Medicine/Hemostasis Research Network  
September 1, 2002 - August 31, 2007

2000-2009 NIH Contract No. N01-HB-07153 - Principal Investigator Pediatric Hydroxyurea Phase III Clinical Trial - Clinical Center

2000-2006 NIH-NHLBI - Principal Investigator for the Johns Hopkins Site Decompression Coring Vs. Conservative Therapy for Avascular Necrosis of the Hip in Sickle Cell Disease

1998-2008 NIH-NCI-1T32 CA 60441-Training Grant - Co-Investigator, (Curt Civin, P.I.), ALab Research Training in Pediatric Hematology/Oncology®  
September 1998 – May 31, 2008.

1999-2008 Maternal and Child Health Bureau (MCHB) - Principal Investigator for Maryland Affiliate, "Comprehensive Hemophilia Diagnostic and Treatment Center - Consortium with University of Pennsylvania - MCJ-112003-05-0

1999-2008 Centers for Disease Control (CDC) - Principal Investigator for Maryland Affiliate, APrevention of the Complications of Hemophilia Through Hemophilia Treatment Centers® - Cooperative Agreement - Consortium with University of Pennsylvania.

Active Grant Support (continued)

1999-2008 State of Maryland Department of Health and Mental Hygiene - Principal Investigator, "Maryland Comprehensive Hemophilia Treatment Center" - Contract -C007865

1996-2008 State of Maryland Department of Health and Mental Hygiene Principal Investigator, AHematology Services for Children with Hereditary



Previous Grant Support

- 2000-2005 NIH-NHLBI - Principal Investigator for the Johns Hopkins Consortium Stroke Prevention Trial Sickle Cell Anemia II (STOP II)
- 20002002 NIH-NINDS - Co-Investigator  
Cognitive and Neuroimaging Studies of Children with Sickle Cell Disease
- 1997-2000 CytRx Corporation - Principal Investigator for Johns Hopkins Site  
AA Phase III Multicenter, Randomized, Double-Blind, Placebo-Controlled Study of Flocor™  
(Purified Poloxamer 188) In patients with Sickle Cell Disease In Acute Vaso-Occlusive Crisis@ - C97-1248
- 1999-2000 CytRx Corporation - Principal Investigator for Johns Hopkins Site  
AA An Open-Label, Safety Extension Study of Repeated Administration Of FLOCOR (Purified Poloxamer 188) to Patients with Sickle Cell Disease in Vaso-occlusive Crisis - C97-1273
- 1994-1997 Baxter-Hyland - Principal Investigator  
"A Comparison of Bolus and Continuous Infusion Recombinant Factor VIII in a Cohort of Children with Hemophilia A Undergoing Percutaneous Liver Biopsy"
- 1992-1998 NIH 1 RO1 AR 40697 - Principal Investigator  
"Molecular Analysis of a Muscle Actin-Capping Protein", June 1992 - May 1998.
- 1992-1997 NIH 1 RO1 HL 4974801 - Co-Investigator  
"Immunology of Neonatal Alloimmune Thrombocytopenia", October 1992 - August 1997.
- 1991-1996 American Heart Association, Established Investigator Award.
- 1987-1993 First Independent Research Support and Transition (First) Award (R-29), HL38855  
"Actin-Capping Protein Interactions in Muscle", NHLBI, Sept. 1987 - Sept. 1993.
- 1990-1992 American Heart Association, Maryland Affiliate, "Expression of Cap Z, an Actin-Binding Protein of the Z-line of Skeletal and Cardiac Muscle", July 1990-June 1992.
- 1987 American Heart Association, Maryland Affiliate, "Role of an Actin Capping Protein in Cardiac Embryogenesis" 1987. Awarded-returned after activation of First Award (alternative funding).
- 1984-1989 Clinical Investigator Award, HL01341-05  
"Actin Capping Proteins in Platelets and Muscle", NHLBI, 1984-89.

Clinical Protocols

- 2003 Principal Investigator - ACognitive and Neuroimaging Studies of Children with Sickle Cell Disease@

- 1999 - 2003                   Principal Investigator - A Non-Myeloablative Bone Marrow Transplantation for Treatment of Sickle Cell Disease@
- 1992=1998                   Principal Investigator - "Open Label Clinical Study of Long Term Treatment in Prophylaxis with Factor VII Concentrate (Human) Immuno, Vapor Heated" March 1992-August 1998.
- 1993-1994                   Crisis Review Committee, "Multicenter Study of Hydroxyurea in Sickle Cell Anemia"
- 1997                           Principal Investigator - ACDC Data Collection on the Complications of Hemophilia and Serum Testing and Storage@

Articles Published in Professional Journals

1. Lanes, R., Plotnick, L.P., Bynum, T.E., Lee, P.A., Casella, J.F., Fox, E.E., Kowarski, A.A., and Migeon, C.J. Glucocorticoid and partial mineralocorticoid deficiency associated with achalasia and lack of lacrimation. J. Clin. Endocrinol. Metab. 50: 268-270, 1980.
2. Howard, T.H., Casella, J.F., and Lin, S. Correlation of the biologic effects and binding of cytochalasins to human polymorphonuclear leukocytes. Blood 57: 399-405, 1981.
3. Casella, J.F., Flanagan, M.D., and Lin, S. Cytochalasin D inhibits actin polymerization and induces depolymerization of actin filaments formed during platelet shape change. Nature 293: 302-305, 1981.
4. Lin, S., Cribbs, D.H., Wilkins, J.A., Casella, J.F., Magargal, W.W., and Lin, D.C. The capactins, a class of proteins that cap the ends of actin filaments. Phil. Trans. R. Soc. B299: 263-273, 1982.
5. Masiello, N.C., Zucker, M.B., Casella, J.F., Flanagan, M.D., Lin, S. Effect of cytochalasin D on thrombin-induced actin filaments in platelets [letter]. Nature 298: 202, 1982
6. Casella, J.F., Flanagan, M.D., and Lin, S. Cytochalasins: Their use as tools in the investigation of actin polymerization in vivo and in vitro. Dos Remedios, C. ed. In: Actin: Structure and function in muscle and non-muscle cells. Australia: Academic Press; 1983.
7. Casella, J.F., Masiello, N.C., Lin, S., Bell, W., and Zucker, M.B. Identification of fibrinogen derivatives in the Triton-insoluble residue of human blood platelets. Cell Motility 3: 21-30, 1983.
8. Agre, P., Casella, J.F., Zinkham, W.H., McMillan, C., and Bennett, V. Partial deficiency of erythrocyte spectrin in hereditary spherocytosis. Nature 314: 380-383, 1985.
9. Wetzell, R.C., Marsh, B.R., Yaster, M., and Casella, J.F. Anesthetic implications of protein C deficiency. Anesthesia and Analgesia 65: 982-984, 1986.
10. Casella, J.F., Maack, D.J., and Lin, S. Purification and initial characterization of a protein from skeletal muscle that caps the barbed ends of actin filaments. J. Biol. Chem. 261: 10915-10921, 1986.

Articles Published in Professional Journals (continued)

11. Agre, P., Asimos, A., Casella, J.F., and McMillan, C. Inheritance pattern and clinical response to splenectomy as a reflection of erythrocyte spectrin deficiency in hereditary spherocytosis. N. Engl. J. Med. 315:

1579-1583, 1986.

12. Casella, J.F. and Maack, D.J. Cap Z<sub>(36/32)</sub> is a contaminant and the major inhibitor of actin network formation in conventional actin preparations. Biochem. Biophys. Res. Comm. 145: 625-630, 1987.
13. Casella, J.F., Craig, S.W., Maack, D.J., and Brown, A.E.. Cap Z<sub>(36/32)</sub>, a barbed end actin-capping protein, is a component of the Z-line of skeletal muscle. J. Cell Biol. 105: 371-379, 1987.
14. Peters, C.P., Casella, J.F., Marlar, R.A., Montgomery, R.R., and Zinkham, W.H. Homozygous protein C deficiency: Observations on the nature of the molecular abnormality and the effectiveness of warfarin therapy. Pediatrics 81: 272-276, 1988.
15. Casella, J.F., Lewis, J.H., Bontempo, F.A., Zitelli, B., Markel, H., and Starzl, T.E. Successful treatment of homozygous protein C deficiency by hepatic transplantation. Lancet i: 435-437, 1988.
16. Marlar, R.A., Montgomery, R.R., Broekmans, A.W., and the Working Party\*. (Casella, J.F. is a member of the Working Party.) Diagnosis and treatment of homozygous protein C deficiency. J. Pediatr. 114: 528-534, 1989.
17. Casella, J.F., Casella, S.J., Hollands, J.A., Caldwell, J.E., and Cooper, J.A.. Isolation and characterization of cDNA encoding the alpha subunit of Cap Z<sub>(36/32)</sub>, an actin-capping protein from the Z line of skeletal muscle. Proc. Natl. Acad. Sci. USA 80: 5800-5804, 1989.
18. Caldwell, J.E., Waddle, J., Cooper, J.A., Hollands, J.A., Casella, S.J., and Casella, J.F. cDNAs encoding the beta subunit of Cap Z, the actin-capping protein of the Z line of muscle. J. Biol. Chem. 264: 12648-12652, 1989.
19. Casella, J.F., and Cooper, J.A. Purification of Cap Z from chicken skeletal muscle. Methods Enzymol. 196: 140-154, 1991.
20. Cooper, J.A., Caldwell, J.E., Gattermeir, D.J., Torres, M.A., Amatruda, J.F., and Casella, J.F. Variant cDNA's encoding proteins homologous to the alpha subunit of Chicken CapZ. Cell Motility and Cytoskeleton 18: 204-214, 1991.
21. Hug, C., Miller, T.M., Torres, M.A., Casella, J.F., and Cooper, J.A. Identification and characterization of an actin-binding site of CapZ. J. Cell Biology 116: 923-931, 1992.
22. Geraghty, M., Martin, L., Hayflick, S., Maumenee, I., Casella, J., and Valle, D. Cobalamin C defect associated with hemolytic-uremic syndrome (HUS). J. Pediatr. 120: 934-937, 1992.
23. Fearon, E.R., Finkel, T., Gillison, M.L., Kennedy, S.P., Casella, J.F., Tomaselli, G.F., Morrow, J.S., and Dang, C.V. Karyoplasmic interaction selection strategy: A general strategy to detect protein-protein interactions in mammalian cells. Proc. Natl. Acad. Sci. USA 89: 7958-62, 1992.
24. Stoddard, J.J., Wechsler, D.S., Nataro, J.P., and Casella, J.F. *Yersinia enterocolitica* infection in a patient with sickle cell disease after exposure to chitterlings. Am. J. Pediatr. Heme/Oncol 16(2): 153-155, 1994.
25. Yaster, M., Tobin, J.R., Billet, C., Casella, J.F., and Dover, G.J. Epidural analgesia in the management of severe vaso-occlusive sickle cell crisis. Pediatrics 93:310-315, 1994.
26. Casella, J.F., and Torres, M.A. Interaction of Cap Z with actin: The NH<sub>2</sub>-terminal domains of the  $\alpha 1$  and  $\beta$  subunits are not required for actin capping, and  $\alpha 1\beta$  and  $\alpha 2\beta$  heterodimers bind differentially to actin. J. Biol. Chem. 269:6992-6998, 1994.

Articles Published in Professional Journals (continued)

27. Barron-Casella, E.A., Kickler, T.S., Rogers, O.C., and Casella, J.F. Expression and purification of functional recombinant epitopes for the platelet antigens, PI<sup>A1</sup> and PI<sup>A2</sup>. Blood 84: 1157-1163, 1994.

28. Casella, J.F., Barron-Casella, E.A., and Torres, M.A. Quantitation of Cap Z in conventional actin preparations and methods for further purification of actin. Cell Motility Cytoskeleton 30: 164-170, 1995.
29. Barron-Casella, E.A., Torres, M.A., Scherer, S.W., Heng, H.H.Q., Tsui, L-C, Casella, J.F. Sequence analysis and chromosomal localization of human Cap Z: Conserved residues within actin-binding domain may link Cap Z to gelsolin/severin and profilin protein families. J. Biol. Chem. 270: 21472-79, 1995.
30. King, K.E., Kao, K.J., Casella, J.F., Bray, P.F., Callan, N.A., Blakemore, K., Kickler, T.S. The role of HLA antibodies in neonatal thrombocytopenia: a prospective study Tissue Antigens 47(3): 206-211, 1996.
31. Nachmias, V.T., Golla, R., Casella, J.F., Barron-Casella, E. Cap Z, a calcium insensitive capping protein in resting and activated platelets. FEBS 378: 258-262, 1996.
32. Resar, L.M.S., Oliva, M.M, Casella, J.F. Skull infarction and epidural hematomas in a patient with sickle cell anemia. J Ped Hem/Onc 18(4): 413-415, 1996.
33. Bruner, A., Joffe, A., Duggan, A., Casella, J.F., Brandt, J. Cognitive effects of iron supplementation in non-anemic adolescent girls. Lancet 348: 992-6, 1996.
34. Liu, L., Nardi, M.A., Casella, J.F., and Karpatkin, S. Inhibition of binding of anti-PLA-1 antibodies to platelets with monoclonal antibody LK-4. Evidence for multiple PLA1 receptor sites on platelet GPIIb. Blood 88: 3601-3607, 1996
35. Pelidis, M.A., Kato, G.J., Resar, L.M.S., Dover, G.J., Nichols, D.G., Walker, L.K., Casella, J.F. Successful treatment of life-threatening acute chest syndrome of sickle cell disease with venovenous extracorporeal membrane oxygenation. J Ped Hem/Onc 19:459-461, 1997.
36. Okamoto, N., Kennedy, S.D., Barron-Casella, E.A., Casella, J.F., Inoko, H., Kickler, T.S. Identification of a human heavy chain antibody fragment directed against human alloantigen 1A (HPA-1A) by phage display library. Tissue Antigens 51: 156-163, 1998.
37. Friedmann, A., King, K., Resar, L.M.S., Casella, J. Fatal autoimmune hemolytic anemia in a child due to warm-reactive IgM antibody. J Ped Hem/Onc 20: 502-505, 1998.
38. Miller, M.R., Thompson, W.R., Casella, J.F., and Spevak, P.J. Antibody-mediated red blood cell agglutination resulting in spontaneous echocardiographic contrast. Ped Cardiol 20: 287-289, 1999.
39. Xu, J., Casella, J.F., Pollard, T.D. Effect of the actin-capping protein, Cap Z, on filament length and mechanical properties of actin filament networks. Cell Motil Cytoskeleton 42: 73-81, 1999.
40. Barron-Casella, E.A., Nebbia, G., Rogers, O.C., King, K.E., Kickler, T.S., Casella, J.F. Construction of a human platelet alloantigen-1a epitope(s) within murine glycoprotein IIIa: identification of residues critical to the conformation of the antibody binding site(s). Blood 93: 2959-2967, 1999.
41. Harum, K.H., Hoon, A.H., Kato, G.J., Casella, J.F., Breiter, S.N., Johnston, M.V. Homozygous factor- V mutation as a genetic cause of perinatal thrombosis and cerebral palsy: A case report. Dev Med & Child Neur 41: 777-780, 1999.

Articles Published in Professional Journals (continued)

42. Harum, K.H., Hoon, A.H., Casella, J.F. Factor V Leiden: a risk factor for cerebral palsy. Dev Med & Child Neur 41: 781-785, 1999.

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James F. Casella, M.D.

43. Zellos, A; Thomas, DL; Mocilnikar, C; Perlman, EJ; Boitnott, JK; Casella, JF; Schwarz, KB  
High viral load and mild liver injury in children with hemophilia compared with other children with chronic hepatitis C virus infection. J Ped Gastroent and Nutr 29: 418-423, 1999.
44. Blaisdell, C.J., Goodman, S., Clark, K, Casella, J., and Loughlin, G.M. Pulse oximetry is a poor predictor of hypoxemia in stable children with sickle cell disease. Arch Pediatr Adolesc Med 154: 900-903, 2000.
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