

PUBLICATIONS LIST

Severe Chronic Neutropenia International Registry

PUBLICATIONS:

1. Aprikyan AA, Carlsson G, Stein S, Oganessian A. Neutrophil elastase mutations in severe congenital neutropenia patients of the original Kostmann family. *Blood*. 2004;103(2):389. (PMID: 12531802)
2. Carlsson G, Aprikyan AA, Tehranchi R, Dale DC, Porwit A, Hellstrom-Lindberg E, Palmblad J, Henter JI, Fadeel B. Kostmann syndrome: severe congenital neutropenia associated with defective expression of Bcl-2, constitutive mitochondrial release of cytochrome c, and excessive apoptosis of myeloid progenitor cells. *Blood*. 2004;103(9):355-61. (PMID: 14764541)
3. Cassinat B, Bellanné-Chantelot C, Notz-Carrère A, Menot ML, Vaury C, Micheau M, Bader-Meunier B, Perel Y, Leblanc T, Donadieu J, Chomienne C. Screening for G-CSF receptor mutations in patients with secondary myeloid or lymphoid transformation of severe congenital neutropenia. A report from the French neutropenia register. *Leukemia*. 2004;18(9):1553-5. (PMID: 15284863)
4. Zhang X, Kluger Y, Nakayama Y, Poddar, Whitney C, DeTora A, Weissman SM, Newburger PE. Gene expression in mature neutrophils: Early responses to inflammatory stimuli. *J Leukoc Biol*. 2004;75:358-372. (PMID: 14634056)
5. Bellanné-Chantelot C, Clauin S, Leblanc T, Cassinat B, Rodrigues-Lima F, Beaufils S, Vaury C, Barkaoui M, Fenneteau O, Maier-Redelsperger M, Chomienne C, Donadieu J. Mutations in the ELA2 gene correlate with more severe expression of neutropenia: a study of 81 patients from the French Neutropenia Register. *Blood*. 2004;103(11):4119-25. (PMID: 14962902)
6. Dale DC. Neutrophil elastase and neutropenia. *Blood*. 2004;103:3993-3994.
7. Dale DC. New insights into chronic idiopathic neutropenia. *Blood*. 2003;101:2450a.
8. Dror Y, Sung L. Update on childhood neutropenia: molecular and clinical advances. *Hematol Oncol Clin North Am*. 2004;18(6):1439-58, x. Review. (PMID: 15511624)
9. Cario G, Skokowa J, Wang Z, Bucan V, Zeidler C, Stanulla M, Schrappe M, Welte K. Heterogeneous expression pattern of pro- and anti-apoptotic factors in myeloid progenitor cells of patients with severe congenital neutropenia treated with granulocyte colony-stimulating factor. *Br J Haematol*. 2005;129:275-8. (PMID: 15813856)
10. Choi SW, Boxer LA, Pulsipher MA, Roulston D, Hutchinson RW, Yanik GA, Cooke KR, Ferrara JLM and Levine JE. Stem cell transplantation in patients with severe congenital neutropenia with evidence of leukemic transformation. *Bone Marrow Transplantation*, 2005;35:473-477. (PMID: 15640815)
11. Donadieu J, Leblanc T, Bader Meunier B, Barkaoui M, Fenneteau O, Bertrand Y, Maier-Redelsperger M, Micheau M, Stephan JL, Phillipe N, Bordigoni P, Babin-Boilletot A, Bensaid P, Manel AM, Vilmer E, Thuret I, Blanche S, Gluckman E, Fischer A, Mechinaud F, Joly B, Lamy T, Hermine O, Cassinat B, Bellanné-Chantelot C, Chomienne C; French Severe Chronic Neutropenia Study Group. Analysis of risk factors for myelodysplasias, leukemias and death from infection among patients with congenital neutropenia. Experience of the French Severe Chronic Neutropenia Study Group. *Haematologica*. 2005;90(1):45-53. (PMID: 15642668)
12. Germeshausen M, Schulze H, Kratz C, Wilkens L, Repp R, Shannon K, Welte K, Ballmaier M. An acquired G-CSF receptor mutation results in increased proliferation of CMML cells from a patient with severe congenital neutropenia. *Leukemia*. 2005;19:611-7 (PMID: 15729385)
13. Grenda D, Link DC. A comparison of cyclic neutropenia in childhood and severe congenital neutropenia. *Haematologica*. 2005;90(8):1010A. (PMID: 16079089)
14. Rosenberg PS, Alter BP, Bolyard AA, Bonilla MA, Boxer LA, Cham B, Fier C, Freedman M, Kannourakis G, Kinsey S, and Schwinzer B. The evidence of leukemia and mortality from sepsis in patients with severe congenital neutropenia receiving long-term G-CSF therapy. *Blood*. 2006;107(12):4628-35. (PMID: 16497969)
15. Ferry C, Ouachée M, Leblanc T, Michel G, Notz-Carrère A, Tabrizi R, Flood T, Lutz P, Fischer A, Gluckman E, Donadieu J. Hematopoietic stem cell transplantation in severe congenital neutropenia: experience of the French SCN register. *Bone Marrow Transplant*. 2005;35(1):45-50. (PMID: 15489867)
16. Boxer LA, Stein S, Buckley D, Bolyard AA and Dale DC. Strong evidence for autosomal dominant inheritance of severe congenital neutropenia. *J Pediatr*. 2006;148:633-636. (PMID: 16737875)

PUBLICATIONS LIST
Severe Chronic Neutropenia International Registry

17. Boxer LA. Severe congenital neutropenia: Genetics and pathogenesis. *Trans Am Clin Climatol Assoc.* 2006;117:13-32. (PMID: 18528462)
18. Carlsson G, Aprikyan AA, Ericson KG, Stein S, Makaryan V, Dale DC, Nordenskjöld, Fadeel B, Palmblad J, Henter JI. Neutrophil elastase and granulocyte colony-stimulating factor receptor mutation analyses and leukemia evolution in severe congenital neutropenia patients belonging to the original Kostmann family in northern Sweden. *Haematologica.* 2006;915:589-95. (PMID: 16670064)
19. Cheretakis C, Leung R, Sun CX, Dror Y, Glogauer M. Timing of neutrophil tissue repopulation predicts restoration of innate immune protection in a murine bone marrow transplantation model. *Blood.* 2006;108(8):2821-6. (PMID: 16804110)
20. Dale DC. Update on the management of neutropenia. *Clin Adv Hematol Oncol.* 2006;4(3):187-9. (PMID: 16728927)
21. Dale DC. Updated ASCO recommendations for the use of white blood cell growth factors. *Clin Adv Hematol Oncol.* 2006;4(9):664-6. (PMID: 17099622)
22. Dale DC, Bolyard AA, Schwinzer B, Pracht G, Bonilla MA, Boxer LA, Kannourakis G, Alter BP, Cham B, Winkelstein J, Kinsey SE, Fier SE, Fier C, Zeidler C, and Welte K. The severe chronic neutropenia international registry: 10-year follow-up report. *Support Cancer Ther.* 2006;3:220-231. (PMID: 18632498)
23. Grigull L, Pulver N, Goudeva L, Sykora KW, Linderkamp C, Beilken A, Seidemann K, Schmid H, Welte K, Heuft HG. G-CSF mobilised granulocyte transfusions in 32 paediatric patients with neutropenic sepsis. *Support Care Cancer.* 2006;14(9):910-6. (PMID: 16622651)
24. Klein C, Grudzien M, Appaswamy G, Germeshausen M, Sandrock I, Schaeffer AA, Rathinam C, Boztug K, Schwinzer B, Rezaei N, Bohn G, Melin M, Carlsson G, Fadeel B, Dahl N, Palmblad J, Henter JI, Zeidler C, Grimbacher B, Welte K. HAX1 deficiency causes autosomal recessive severe congenital neutropenia (Kostmann disease). *Nat Genet.* 2007;39(1):86-92. (PMID: 17187068)
25. Köllner I, Sodeik B, Schreek S, Heyn H, von Neuhoff N, Germeshausen M, Zeidler C, Krüger M, Schlegelberger B, Welte K, Beger C. Mutations in neutrophil elastase causing congenital neutropenia lead to cytoplasmic protein accumulation and induction of the unfolded protein response. *Blood.* 2006;108(2):493-500 (PMID: 16551967)
26. Mermel CH, McLemore ML, Liu F, Pereira S, Woloszynek J, Lowell CA, Link DC. Src-family protein tyrosine kinases are important negative regulators of G-CSF dependent granulopoiesis. *Blood.* 2006;108:2562-8. (PMID: 16772601)
27. Newburger PE. Disorders of neutrophil number and function. [Hematology Am Soc Hematol Educ Program.](#) 2006:104-10. (PMID: 17124047)
28. Panopoulos AD, Zhang L, Snow JW, Jones DM, Smith AM, El Kasmi KC, Liu F, Goldsmith MA, Link DC, Murray PJ, Watowich SS. STAT3 governs distinct pathways in emergency granulopoiesis and mature neutrophils. *Blood.* 2006;108(12):3682-90. (PMID: 16888100)
29. Skokowa J, Cario G, Uenal M, Schambach A, Germeshausen M, Battmer K, Zeidler C, Lehmann U, Eder M, Baum C, Grosschedl R, Stanulla M, Scherr M, and Welte K. LEF-1 is crucial for neutrophil granulocytopenia and is abrogated in congenital neutropenia. *Nat Med.* 2006;12:1191-1197. (PMID: 17063141)
30. Welte K, Zeidler C, Dale DC. Severe congenital neutropenia. *Semin Hematol.* 2006;43(3):189-95. (PMID: 16822461)
31. Yanay O, Brzezinski M, Christensen J, Liggitt D, Dale DC, Osborne W. An adult dog with cyclic neutropenia treated by lentivirus-mediated delivery of granulocyte colony-stimulating factor. *Hum Gene Ther.* 2006;17(4):464-9. (PMID: 16610934)
32. Dale DC. Supplying neutrophils from the bone marrow to the tissues. *Blood.* 2006;108:1.
33. Grenda DS, Link DC. Mechanisms of disordered granulopoiesis in congenital neutropenia. *Curr Top Dev Biol.* 2006;74:133-76. Review. (PMID: 16860667)
34. Bohn G, Welte K, Klein C. Severe congenital neutropenia: new genes explain an old disease. *Curr Opin Rheumatol.* 2007;19:644-50. (PMID: 17917547)
35. Boxer LA, Newburger, PE. A molecular classification of congenital neutropenia syndromes. *Pediatr Blood Cancer.* 2007;49:609-14. (PMID: 17584878)

PUBLICATIONS LIST
Severe Chronic Neutropenia International Registry

36. Cheretakis C, Locker D, Dror Y, Glogauer M. Oral health-related quality of life of children with neutropenia. *Spec Care Dentist*. 2007;27(1):6-11. (PMID: 17388223)
37. Christopher MJ, Link DC. Regulation of neutrophil homeostasis. *Curr Opin Hematol*. 2007;14(1):3-8. Review. (PMID: 17133093)
38. Cosler LE, Eldar-Lissai A, Culakova E, Kuderer NM, Dale D, Crawford J, Lyman GH. Therapeutic use of granulocyte-stimulating factors for established neutropenia: effect on costs from a hospital perspective. *Pharmacoeconomics*. 2007;25(4):343-51. (PMID: 17402806)
39. Crawford J, Althaus B, Armitage J, Balducci L, Bennett C, Balyney DW, Cataland SR, Dale DC, Demetri GD, Erba HP, Foran J, Freifeld AG, Heaney ML, Htoy S, Kloth DD, Lyman GH, Messersmith WA, Michaud LB, Miyata SC, Robbins A, Tallman MS, Vadhan-Raj S, Westervelt P, Wong MK; National Comprehensive Cancer Network (NCCN). Myeloid growth factors. Clinical practice guidelines in oncology. *J Natl Compr Canc Netw*. 2007;5(2):188-202. (PMID: 17335688)
40. Germeshausen M, Ballmaier M, Welte K. Incidence of CSF3R mutations in severe congenital neutropenia and relevance for leukemogenesis: Results of a long-term survey. *Blood*. 2007;109:93-9 (PMID: 16985178)
41. Manuela Germeshausen, Matthias Ballmaier, and Karl Welte. Incidence of CSF3R mutations in severe congenital neutropenia and relevance for leukemogenesis: results of a long-term survey. *Blood*. 2007;109:93-99. (PMID: 16985178)
42. Grenda DS, Murakami M, Ghatak J, Xia J, Boxer LA, Dale D, Dinauer MC, Link DC. Mutations of the ELA2 gene found in patients with severe congenital neutropenia induce the unfolded protein response and cellular apoptosis. *Blood*. 2007;110(13):4179-87. (PMID: 17761833)
43. Klein C, Grudzien M, Appaswamy G, Germeshausen M, Sandrock I, Schaffer AA, Rathinam C, Boztug K, Schwinzer B, Rezaei N, Bohn G, Melin M, Carlsson G, Fadeel B, Dahl N, Palmblad J, Henter JI, Zeidler C, Grimbacher B, Welte K. HAX1 deficiency causes autosomal recessive severe congenital neutropenia (Kostmann disease). *Nat Genet*. 2007;39:86-92. (PMID: 17187068)
44. Link DC, et al. Distinct patterns of mutations in de novo AML versus AML arising in the setting of severe congenital neutropenia. *Blood*. 2007;110:1648-55. (PMID: 17494858)
45. Link DC, Hunter G, Kasai Y, Zhao Y, Miner T, McLellan MD, Ries RE, Kapur D, Nagarajan R, Dale DC, Boylard AA, Boxer LA, Welte K, Zeidler C, Donadieu J, Bellanné-Chantelot C, Vardiman JW, Caligiuri MA, Bloomfield CD, DiPersio JF, Tomasson MH, Graubert TA, Westervelt P, Watson M, Shannon W, Baty J, Mardis ER, Wilson RK, and Ley TJ. Distinct patterns of mutations in myelodysplasia and leukemia arising in the setting of severe congenital neutropenia. *Blood*. 2007;110:1648-1655. (PMID: 17494858)
46. Newburger PE and Boxer LA. A molecular classification of congenital neutropenia syndromes. *Pediatr Blood Cancer*. 2007;49:609-614. (PMID: 17584878)
47. Skokowa J, Germeshausen M, Zeidler C, Welte K. Severe congenital neutropenia: inheritance and pathophysiology. *Curr Opin Hematol*. 2007;14:22-8. (PMID: 17133096)
48. Skokowa J, Welte K. LEF-1 is a decisive transcription factor in neutrophil granulopoiesis. *Ann NY Acad Sci*. 2007;1106:143-51. (PMID: 17360796)
49. Zeidler C, Welte K. Hematopoietic growth factors for the treatment of inherited cytopenias. *Semin Hematol*. 2007;44(3):133-7. Review. (PMID: 17631177)
50. Dale DC. What is WHIM syndrome? *Blood*. 2007;109:4. Commentary.
51. Michelson AD, Newburger PE. Platelets and neutrophils: Aggregate knowledge. *Blood*. 2007;110:794-795 ("Inside Blood" editorial review).
52. Zeidler C, Welte K. Congenital bone marrow failure syndromes. The last 20 years by the example of congenital neutropenia. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*. 2007;50(12):1564-8. Review. (PMID: 18026880)
53. Bohn G, Hardtke-Wolenski M, Zeidler C, Maecker B, Sauer M, Sykora KW, Grigull L, Welte K, Klein C. Lethal graft-versus-host disease in congenital neutropenia caused by p14 deficiency after allogeneic bone marrow transplantation from an HLA-identical sibling. *Pediatr Blood Cancer*. 2008;51(3):436-8. (PMID: 18523989)

PUBLICATIONS LIST
Severe Chronic Neutropenia International Registry

54. Christopher MJ and Link DC. Granulocyte colony-stimulating factor induces osteoblast apoptosis and inhibits osteoblast differentiation. *J Bone Miner Res.* 2008 Jul 2. [Epub ahead of print] PMID: 18597629
55. Colijn C, Dale DC, Foley C, Mackey MC. Observations on the pathophysiology and mechanisms for cyclic neutropenia. *Math Model Nat Phenom.* 2006;1:45-69
56. Dale DC, Boxer LA, Liles WC. The phagocytes: neutrophils and monocytes. *Blood (50th Anniversary Reviews).* 2008;112(4):935-45 (PMID: 18684880)
57. Donadieu J, Beaupain B, Bellanné-Chantelot C. Granulopoiesis and leukemogenesis: lessons from congenital neutropenia. *Med Sci (Paris).* 2008;24(3):284-9. (PMID: 18334177)
58. Ganiou Tidjani K, Ailal F, Najib J, Bellanné-Chantelot C, Donadieu J, Bousfiha AA. Intermittent chronic neutropenia in a patient with familial Mediterranean fever. *Pediatr Blood Cancer.* 2008;51(5):701-703. (PMID: 18661496)
59. Manuela Germeshausen, Magda Grudzien, Cornelia Zeidler, Hengameh Abdollahpour, Sevgi Yetgin, Nima Rezaei, Matthias Ballmaier, Bodo Grimbacher, Karl Welte, and Christoph Klein. Novel HAX1 mutations in patients with severe congenital neutropenia reveal isoform-dependent genotype-phenotype associations. *Blood.* 2008;111:4954-4957. (PMID: 18337561)
60. Hochberg JC, Miron PM, Hay BN, Woda BA, Wang SA, Richert-Przygonska M, Aprikyan AA, Newburger PE. Mosaic tetraploidy and transient GF11 mutation in a patient with severe chronic neutropenia. *Pediatr Blood Cancer.* 2008;50(3):630-2. (PMID: 17096407)
61. Liu F, Kunter G, Krem M, Eades W, Cain J, Tomasson M, Henninghausen L, and Link DC. G-CSF receptor mutations found in patients with severe congenital neutropenia induce hematopoietic stem self-renewal that is mediated by STAT5. *J. Clin. Invest.* 2008;118:946-955.
62. Rosenberg PS, Alter BP, Link DC, Stein S, Rodger E, Bolyard AA, Aprikyan AA, Bonilla MA, Dror Y, Kannourakis G, Newburger PE, Boxer LA, Dale DC. Neutrophil elastase mutations and risk of leukaemia in severe congenital neutropenia. *Br J Haematol.* 2008;140(2):210-3. (PMID: 18028488)
63. Ward AC, Gits J, Majeed F, Aprikyan AA, Lewis RS, Freeman M, Shigdar S, Touw IP, Dale DC, Dror Y. Functional interaction between mutations in the granulocyte colony-stimulating factor receptor in severe congenital neutropenia. *Br J Haematol.* 2008;142(4):653-6. (PMID: 18513286)
64. Xia J, Link DC. Severe congenital neutropenia and the unfolded protein response. *Curr Opin Hematol.* 2008;15(1):1-7. Review. (PMID: 18043239)
65. Hunter MG, McLemore M, Link DC, Loveland M, Copelan A, Avalos BR. Divergent pathways in COS-7 cells mediate defective internalization and intracellular routing of truncated G-CSFR forms in SCN/AML. *PLoS ONE.* 2008;3(6):e2452. (PMID: 18560579)
66. Boztug K, Welte K, Zeidler C, Klein C. Congenital neutropenia syndromes. *Immunol Allergy Clin North Am.* 2008;28(2):259-75, vii-viii. Review.
67. Germeshausen M, Skokowa J, Ballmaier M, Zeidler C, Welte K. G-CSF receptor mutations in patients with congenital neutropenia. *Curr Opin Hematol.* 2008;15(4):332-7. Review. (PMID: 18536571)
68. Hunter MG, McLemore M, Link DC, Loveland M, Copelan A, Avalos BR. Divergent pathways in COS-7 cells mediate defective internalization and intracellular routing of truncated G-CSFR forms in SCN/AML. *PLoS ONE.* 2008;3(6):e2452. (PMID: 18560579)
69. Dale DC, Link DC. There are so many causes of neutropenia. *N Engl J Med.* (perspective. (submitted))

PUBLICATIONS LIST
Severe Chronic Neutropenia International Registry

BOOKS:

1. Dale DC, Liles WC. Neutrophils and monocytes: normal physiology and disorders of neutrophil and monocyte production. In: Handin RI, Lux SE, Stossel TP, eds. Blood: Principles and Practice of Hematology. Philadelphia, PA: Lippincott, Williams & Wilkins; 2003:455-482.
2. Dror Y, Sung L. Update on childhood neutropenia: Molecular and clinical advances. In: Buchanan G, ed. Hematology/Oncology Clinics of North America. W.B. Saunders Company; 2004:1439-1458.
3. Newburger PE. Neutropenia. In: Rakel RE, ed. Conn's Current Therapy 2005. Philadelphia: W.B. Saunders; 2005:463-465
4. Dale DC. Neutropenia and the problem of fever and infection in patients with cancer. Cancer drug discovery and development: hematopoietic growth factors. In: Morstyn G, Foote M, Lieschke GJ, eds. Oncology: Basic Science and Clinical Therapeutics. Totowa, NJ: Humana Press, Inc.; 2003:219-234.
5. Liles WC, Hübel K, Dale DC. Granulocyte (neutrophil) transfusion therapy. In: Wingard JR, Bowden RA, eds. Management of Infection in Oncology Patients. London, England: Martin Dunitz; 2003:363-72.
6. Quinton LJ, Dale DC, Nelson S. Use of colony-stimulating factors for treatment of neutropenia and infectious diseases. In: Gabilovich DI, ed. The Neutrophils, New Outlook for Old Cells. 2nd ed. London, England: Imperial College Press; 2003:301-306.
7. Starkebaum G, Dale DC. Autoimmune neutropenia. In: Lichenstein L, Busse W, Jeha R, eds. Current therapy in Allergy, Immunology and Rheumatology. 6th ed. Philadelphia, PA: Mosby; 2004:339-342.
8. Dale DC. Neutropenia and Neutrophilia. In: Lichtman MA, Kipps TJ, Kaushansky K, Beutler E, Seligsohn U, Prchal JT. eds. William's Hematology. 7th ed. New York, NY: McGraw-Hill; 2006:907-919.
9. Watanabe JM, Dale DC. Congenital Neutropenia. In: Young NS, Gerson SL, High KA, eds. Clinical Hematology. Philadelphia, PA: Mosby-Elsevier; 2006:181-191.
10. Dale DC. Neutropenia and neutrophilia. In: Williams WJ, et al, eds. Hematology. 7th ed. New York, NY: McGraw-Hill. 2006;907-19.
11. Newburger PE. Neutropenia. In: Rakel RE, ed. Conn's Current Therapy 2006. Philadelphia: W.B. Saunders; 2006:502-505
12. Dale DC, Aprikyan AG. Cyclic and congenital neutropenia due to defects in neutrophil elastase. In: Ochs HD, Smith CIE, Puck JM, eds. Primary Immunodeficiency Diseases: A Molecular and Genetic Approach. 2nd ed. New York, NY: Oxford University Press; 2007:565-69.
13. Dale DC. Neutropenia. In: Crowther MA, Ginsberg J, Holger S, Meyer RM, Lottenberg R, eds. Evidence-Based Hematology. Chichester, UK: Blackwell Publishing Ltd; 2008:215-220.
14. Dale DC, Crawford J, Lyman GH. Neutropenia and its complications. In: Lyman GH, Crawford J, eds. Cancer Supportive Care: Advances in Therapeutic Strategies. 2008. (in press)
15. Dale DC. Neutropenia. In: Encyclopedia of Life Sciences. Chichester, England: John Wiley & Sons; (e-pub ahead of publication 15 June 2008). (in press)
16. Dinauer MC, Newburger PE. The phagocyte system and disorders of granulopoiesis and granulocyte function. In: Orkin SH, Ginsburg D, Nathan DG, Look AT, Fisher DA, Lux SE, eds. Nathan and Oski's Hematology of Infancy and Childhood. Philadelphia, PA: Saunders Elsevier. (in press)
17. Newburger PE. Neutropenia. In: Rakel RE, ed. Conn's Current Therapy 2008. Philadelphia: W.B. Saunders (in press).

PUBLICATIONS LIST
Severe Chronic Neutropenia International Registry

ABSTRACTS:

1. Aprikyan AG, Clark CE, Markosyan NA, Vaisar T, Heinecke JW, Dale DC. Cellular model of severe congenital neutropenia with inducible expression of mutant neutrophil elastase. *Blood*. 2003;102. (abstract 17).
2. Bolyard AA, Pracht G, Schwinzer B, Ziedler C, Bonilla MA, Boxer LA, Cham B, Donadieu J, Fier C, Freedman M, Kannourakis G, Kinsey S, Winkelstein J, Alter BP, Reeves L, Welte K, Dale PC. Severe chronic idiopathic neutropenia in adults: Long term follow-up. *Am Soc Hematol Mtg, San Diego, CA. Blood*. 2003;102(Suppl 1):275a.
3. Bolyard AA, Pracht G, Schwinzer B, Zeidler C, Bonilla MS, Boxer LA, Cham B, Donadieu J, Fier C, Freedman M, Kannourakis G, Kinsey SE, Winkelstein J, Alter BP, Reeves L, Welte K, Dale DC. Severe chronic idiopathic neutropenia in adults: long-term follow-up of 358 patients. *Blood* 2003;102: (abstract 966).
4. Dale D, Bolyard AA, Aprikyan A, Stein S, Boxer LA, Schwinzer B, Zeidler C, Welte K. Autosomal-dominant severe congenital neutropenia. *Am Soc Hematol Mtg, San Diego, CA. Blood*. 2003;102 (Suppl 1):275a.
5. Dale DC, Bolyard AA, Aprikyan A, Stein S, Boxer L, Schwinzer B, Zeidler C, Welte K. Autosomal dominant severe congenital neutropenia. *Blood*. 2003;102 (abstract 976).
6. Lyman GH, Kuderer NM, Crawford J and Dale D. Economic impact of pegfilgrastim use based on the risk of febrile neutropenia (FN) in NHL patients with CHOP. *Proc Am Soc Clin Oncol*. 2003;22:593.
7. Rosenberg PS, Alter BP, Bolyard AA, Freedman M, Welte K, Boxer LA, and Dale DC. MDS/AML in patients with severe congenital neutropenia receiving long-term G-CSF. *Am Soc Hematol Mtg, San Diego, CA. Blood*. 2003;102 (Suppl 1):350a.
8. Rosenberg PS, Alter BP, Bolyard AA, Freedman M, Welte K, Boxer LA, Dale DC. MDS/AML in patients with congenital neutropenia receiving long term G-CSF. *Blood*. 2003;102 (abstract 1267).
9. Schwinzer BG, Zeidler C, Bolyard AA, Pracht G, Bonilla MA, Boxer LA, Cham B, Donadieu J, Fier C, Freedman MH, Kannourakis G, Kinsey S, Winkelstein J, Alter BP, Reeves L, Dale DC, Welte K. Pregnancies in neutropenia. *Blood*. 2003;102 (abstract 963).
10. Schwinzer BG, Zeidler C, Bolyard AA, Procht B, Bonilla MA, Boxer LA, Cham B, Donadieu J, Fier C, Freedman MH, Kannourakis G, Kinsey S, Winkelstein J, Alten BP, Reeves L, Dale DC and Welte K. Pregnancies in patients with severe chronic neutropenia. *Am Soc Hematol Mtg, San Diego, CA. Blood*. 2003;102 (Suppl 1):272a.
11. Stein S, Makaryan V, Zhu Q, Ochs H, Aprikyan A, Dale DC. The frequency of mutations of the genes for neutrophil elastase, proteinase 3, Wiskott-Aldrich protein, and GFI-1 in patients with severe congenital neutropenia. *Blood*. 2003;102. (abstract 972).
12. Zeidler C, Schwinzer B, Pracht G, Dale DC, Levine JE, Sykora KW, Welte K. Hematopoietic stem cell transplantation in congenital neutropenias: recommendation for patients refractory to G-CSF treatment and secondary MDS or leukemias. *Blood*. 2003;102. (abstract 971).
13. Aprikyan AAG, Stein S, Markosyan NA, Totrov M, Abagyan R, Dale DC. Diversity and molecular modeling of neutrophil elastase mutations in patients with severe congenital neutropenia and acute myelogenous leukemia. *Blood*. 2004;104:1454.
14. Aprikyan AG, Markosyan NS, Clark CE, Dale DC. Tet-regulated expression of mutant neutrophil elastase in HL-60 cells: A cellular model of severe congenital neutropenia. *Keystone Conference 2004*.
15. Boxer LA, Stein S, Buckley D, Subramanian S, Bolyard AA, Olson M, Dale DC. Unique evidence for autosomal dominant inheritance of severe congenital neutropenia. *Blood* 2004;104:1457
16. Dale DC, Bolyard AA, Schwinzer B, Pracht G, Bonilla MA, Boxer L, Freedman M, Donadieu J, Kannourakis G, Alter BP, Cham B, Winkelstein J, Kinsey SE, Fier C, Zeidler C, Welte K. The Severe Chronic Neutropenia International Registry - 10 years of follow up. *Blood*. 2004;104:1458.
17. Stein S, Paddock M, Bolyard AA, Raymond C, Olson M, Aprikyan A, Dale DC. Mutations in the gene for neutrophil elastase in severe congenital neutropenia are heterozygous and of male origin. *Blood*. 2004;104:1455.

PUBLICATIONS LIST
Severe Chronic Neutropenia International Registry

18. Alter BP, Rosenberg PS, Dale DC, for the Severe Chronic Neutropenia International Registry. MDS/AML in patients with Schwachman-Diamond syndrome receiving long-term G-CSF. Schwachman Diamond Annual Meeting 2005.
19. Boxer LA, Bolyard AA, Schwinzer B, Glaser D, Dougan K, Bonilla MA, Alter BP, Cham B, Kinsey S, Zeidler C, Welte K, and Dale DC. Antineutrophil antibodies lead to mistaken identity in severe congenital neutropenia. Am Soc Hematol Mtg, Atlanta, GA. Blood. 2005;106(Suppl 1):385a.
20. Grenda DS, Link DC. Neutrophil differentiation. Haematologica. 2005;90(1):2. (PMID: 15644299)
21. Cornelia Zeidler, Beate Schwinzer, Audrey A. Bolyard, Gusal Pracht, Blanche P. Alter, Mary A. Bonilla, Bonnie Cham, Carol Fier, Melvin H. Freedman, George Kannourakis, Sally Kinsey, Lawrence Boxer, David C. Dale, Karl Welte. Genetic and phenotypically heterogeneity of patients with congenital neutropenia. Blood. 2005.
22. Zeidler C, Schwinzer B, Bolyard AA, Pracht G. Alter BA, Bonilla MA, Cham B, Fier C, Freedman MH, Kannourakis G, Kinsey S, Boxer LA, Dale DC, and Welte K. Genetic and phenotypically heterogeneity of patients with congenital neutropenia. Am Soc Hematol Mtg, Atlanta, GA. Blood. 2005;106(Suppl 1):95a.
23. Khanna-Gupta A, Halene S, Sun H, Dahl R, Boxer LA, and Berliner N. Identification of common molecular pathways in granulopoiesis associated with C/EBP Epsilon and Gfi-7 deficient neutrophil specific granule deficiency (SGD). Am Soc Hematol Mtg, Orlando, FL. Blood. 2006;108(Suppl 1):352a.
24. Murakami MA, Grenda DS, Ghatak J, Boxer LA, Dale DC, Dinauer MC, Bolyard AA, Link DC. Mutations of the ELA2 gene found in patients with severe congenital neutropenia induce the unfolded protein response and cellular apoptosis. 2006 ASH Annual Meeting Abstracts. Blood. 2006;108:151a (abstract 499). (PMID: 17761833)
25. Rosenberg PS, Alter BP, Bolyard AA, Bonilla MA, Boxer LA, Cham B, Fier C, Freedman M, Kannourakis G, Kinsey S, Schwinzer B, Zeidler C, Welte K, Dale DC. The incidence of leukemia and mortality from sepsis in patients with severe congenital neutropenia receiving long-term G-CSF therapy. Am Soc Hematol Mtg, Atlanta, GA. Blood. 2005;106(part 1A):197a. (PMID: 16497969)
26. Rosenberg PS, Stein S, Rodger E, Bolyard AA, Bonilla MA, Dror Y, Kannourakis G, Newburger PE, Boxer LE, Alter, BP, Dale DC. Genotype-phenotype associations in patients with severe congenital neutropenia. 48th Annual Mtg Am Soc Hematol. Blood. 2006;108:152a. (abstract 502).
27. James RM, Kinsey SE. The investigation and management of chronic neutropenia in children. Arch Dis Child. 2006;91(10):852-8. (PMID: 16990357)
28. Aprikyan AA, Makaryan V, Dale DC. Molecular studies of neutropenia in Barth syndrome. Blood. 2007;118:967A. (abstract 3293).
29. Aprikyan AA, Makaryan V, Si Q, Treonze K, Markosyn N, Finke P, Torov M, Abagyan R, Mumford R, Dale D. Small molecule inhibitor of neutrophil elastase restores impaired production of human myeloid cells observed in severe congenital neutropenia. Blood. 2007;110:204a. (abstract 664).
30. B. Beaupain, T. Leblanc, O. Reman, J.P. Vannier, O. Hermine, F. Suarez, Y. Bertrand, C. Bellannre-Chantelot, and Jean Donadieu. Pegfilgrastim in congenital neutropenia: an observational survey from the French SCN Registry. Blood (ASH Annual Meeting Abstracts). 2007;110:3308.
31. Boxer LA, Bolyard AA, Newburger PE, Bonilla MA, Kannourakis G, Dror Y, Link DC, Alter BP, Rosenberg PS, Dale DC. Predictors of transformation to myelodysplasia/acute myelogenous leukemia (MDS/AML) in severe congenital neutropenia (SCN). Blood. 2007;118:971A. (abstract 3307).
32. Laurence A. Boxer, Audrey Anna Bolyard, Peter E. Newburger, Mary Ann Bonilla, George Kannourakis, Yigal Dror, Daniel C. Link, Blanche P. Alter, Philip S. Rosenberg, and David C. Dale. Predictors of transformation to myelodysplasia/acute myelogenous leukemia (MDS/AML) in severe congenital neutropenia (SCN). Blood (ASH Annual Meeting Abstracts). 2007;110:3307.
33. Dale DC, Bolyard AA, Newburger PE, Bonilla MA, Kannourakis G, Dror Y, Link DC, Alter BP, Roseberg PS, Boxer LA. Cyclic neutropenia is not associated with transformation to MDS and AML. Blood. 2007;118:971A. (abstract 3306).

PUBLICATIONS LIST
Severe Chronic Neutropenia International Registry

34. David C. Dale, Audrey Anna Bolyard, Peter E. Newburger, Mary Ann Bonilla, George Kannourakis, Yigal Dror, Daniel C. Link, Blanche P. Alter, Philip S. Rosenberg, and Laurence A. Boxer. Cyclic neutropenia is not associated with transformation to MDS and AML. *Blood (ASH Annual Meeting Abstracts)*. 2007;110:3306.
35. Manuela Germeshausen, Matthias Ballmaier, and Karl Welte. In vivo growth advantage of cells expressing acquired CSF3R mutations in patients with severe congenital neutropenia. *Blood (ASH Annual Meeting Abstracts)*. 2007;110:3296.
36. Makaryan V, Penate O, Dale D, Aprikyan A. Accelerated apoptosis and aberrant retention of bone marrow cells in myelokathexis are two independent pathways triggered by mutant CXCR4 and normalized upon treatment with specific inhibitors. *Blood*. 2007;118:969A. (abstract 3300).
37. Murakami M, Xia J, Jordan CT, Boxer LA, Dale D, Bolyard AA, Dinauer MC, Link DC. Granulocytic precursors from patients with ELA2-mutant severe congenital neutropenia display a transcriptional profile consistent with activation of the unfolded protein response. *Blood (ASH Annual Meeting Abstracts)*. 2007;110:662.
38. Murakami M, Xia J, Jordan CT, Boxer LA, Dale D, Bolyard AA, Dinauer MC, Link DC. Granulocytic precursors from patients with ELA-2-mutant severe congenital neutropenia display a transcriptional profile consistent with activation of the unfolded protein response. *Blood*. 2007;110:204a. (abstract 662).
39. Aprikyan AG, Clark CE, Markosyan NA, Dale DC. Role of mutant neutrophil elastase in pathogenesis of congenital neutropenia and leukemia. (submitted).
40. Boxer LA. Role of neutrophils in genetic disorders of phagocyte function leading to IBD. *J Pediatr Gastroenterol Nutr*. 2008;46(Suppl 1):E17. (PMID: 18354321)
41. Crawford J, Althaus B, Armitage J, Balducci L, Bennett C, Balyney DW, Cataland SR, Dale DC, Demetri GD, Erba HP, Foran J, Freifeld AG, Heaney ML, Htoy S, Kloth DD, Lyman GH, Messersmith WA, Michaud LB, Miyata SC, Robbins A, Tallman MS, Vadhan-Raj S, Westervelt P, Wong MK. National Comprehensive Cancer Network (NCCN). Myeloid growth factors. Clinical practice guidelines in oncology. *J Natl Compr Canc Netw*. 2008;6(2).
42. Jun X, Bolyard AA, Rodger E, Stein S, Aprikyan AA, Dale DC, Link DC. Incidence of SCN-associated gene mutations in severe congenital neutropenia patients in North America. *ASH Annual Meeting Abstracts*. 2008. (submitted)
43. Marshall KK, Marrero T, Bolyard AA, Dale DC. Spontaneous recovery and normalization of blood neutrophil counts in patients with severe chronic neutropenia. *ASH Annual Meeting Abstracts*. 2008. (submitted)
44. Makaryan V, Dale DC, Aprikyan AA. Knock-down of TAZ gene expression: a model of Barth syndrome with accelerated apoptosis of myeloid progenitor cells improved upon treatment with caspase-specific inhibitor. *ASH Annual Meeting Abstracts*. 2008. (submitted)
45. Aprikyan AA, Makaryan V, Si Q, Treonze K, Markosyan N, Finke P, Manier S, Mumford R, Dale DC. Dispensable role of neutrophil elastase in survival and differentiation of human myeloid progenitor cells. *ASH Annual Meeting Abstracts*. 2008. (submitted)
46. Boxer LA, Bolyard AA, Newburger PE, Bonilla MA, Kannourakis G, Dror Y, Link DC, Alter BP, Rosenberg PS, Dale DC. Risk for septic death in severe congenital neutropenia. *ASH Annual Meeting Abstracts*. 2008. (submitted)