

# Stanford

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## Caroline Berube

Clinical Associate Professor, Medicine - Hematology

### CLINICAL OFFICES

- **Hematology Clinic**

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### Bio

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### CLINICAL FOCUS

- Cancer > Hematology
- Hemostasis Thrombosis
- Anticoagulation
- Hematology
- Idiopathic thrombocytopenic purpura
- Pregnancy-related hematologic conditions
- Anemia
- Leukemia - Hematology

### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Medicine - Hematology

### ADMINISTRATIVE APPOINTMENTS

- Medical Director, Oral Anticoagulation Clinic, Stanford Hospital and Clinics, (2004- present)

### PROFESSIONAL EDUCATION

- Fellowship: University of British Columbia Radiology Residency (1990) Canada
- Residency: Laval University Faculte de Medecine (1987) Canada
- Internship: Laval University Faculte de Medecine (1984) Canada
- Medical Education: Laval University Faculte de Medecine (1983) Canada
- Fellowship: McMaster University Michael G DeGroote School of Medicine Registrar (1991) Canada
- Board Certification: Medical Oncology, Royal College of Physicians and Surgeons of Canada (1990)
- Board Certification: Hematology, Royal College of Physicians and Surgeons (1989)

- Board Certification: Internal Medicine, Royal College of Physicians and Surgeons of Canada (1988)
- Oncology, University of BC, Canada , Medical Oncology (1990)
- Board certification, Hematology , Canadian Hematology Board (1989)
- Fellowship: University of Montreal (1989) Canada
- Hematology, University of Montreal, Canada , Hematology (1989)
- F.R.C.P.(C), Internal Medicine , Canadian Board (1987)
- M.D., Laval University, Canada , Medicine (1984)

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

## Publications

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### PUBLICATIONS

- **Thrombophilia testing in the inpatient setting: impact of an educational intervention.** *BMC medical informatics and decision making*  
Kwang, H., Mou, E., Richman, I., Kumar, A., Berube, C., Kaimal, R., Ahuja, N., Harman, S., Johnson, T., Shah, N., Witteles, R., Harrington, R., Shieh, et al  
2019; 19 (1): 167
- **An Electronic Best Practice Alert Based on Choosing Wisely Guidelines Reduces Thrombophilia Testing in the Outpatient Setting.** *Journal of general internal medicine*  
Jun, T., Kwang, H., Mou, E., Berube, C., Bentley, J., Shieh, L., Hom, J.  
2018
- **Blood and Guts: Diarrhea from Colonic Involvement in Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma.** *Digestive diseases and sciences*  
Zikos, T. A., Triadafilopoulos, G., Berube, C., Regalia, K. A.  
2018
- **Prochemerin cleavage by factor XIa links coagulation and inflammation** *BLOOD*  
Ge, X., Yamaguchi, Y., Zhao, L., Bury, L., Gresele, P., Berube, C., Leung, L. L., Morser, J.  
2018; 131 (3): 353–64
- **A phase I, open-label, dose-escalation study of amrubicin in combination with lenalidomide and weekly dexamethasone in previously treated adults with relapsed or refractory multiple myeloma.** *International journal of hematology*  
Dinner, S., Dunn, T. J., Price, E., Coutr , S. E., Gotlib, J., Berube, C., Kaufman, G. P., Medeiros, B. C., Liedtke, M.  
2018
- **Magnitude of Potentially Inappropriate Thrombophilia Testing in the Inpatient Hospital Setting.** *Journal of hospital medicine*  
Mou, E., Kwang, H., Hom, J., Shieh, L., Kumar, A., Richman, I., Berube, C.  
2017; 12 (9): 735–38
- **Efficacy and safety of midostaurin in patients with advanced systemic mastocytosis: 10-year median follow-up of a phase II trial.** *Leukemia*  
DeAngelo, D. J., George, T. I., Linder, A., Langford, C., Perkins, C., Ma, J., Westervelt, P., Merker, J. D., Berube, C., Coutre, S., Liedtke, M., Medeiros, B., Sternberg, et al  
2017
- **A phase I, open-label, dose-escalation study of pralatrexate in combination with bortezomib in patients with relapsed/refractory multiple myeloma.** *British journal of haematology*  
Dunn, T. J., Dinner, S., Price, E., Coutr , S. E., Gotlib, J., Hao, Y., Berube, C., Medeiros, B. C., Liedtke, M.  
2016; 173 (2): 253-259
- **Sequential azacitidine plus lenalidomide in previously treated elderly patients with acute myeloid leukemia and higher risk myelodysplastic syndrome** *LEUKEMIA & LYMPHOMA*

- Narayan, R., Garcia, J. S., Percival, M. M., Berube, C., Coutre, S., Gotlib, J., Greenberg, P., Liedtke, M., Hewitt, R., Regan, K., Williamson, C., Doykan, C., Cardone, et al  
2016; 57 (3): 609-615
- **Sequential azacitidine plus lenalidomide in previously treated elderly patients with acute myeloid leukemia and higher risk myelodysplastic syndrome.** *Leukemia & lymphoma*  
Narayan, R., Garcia, J. S., Percival, M. M., Berube, C., Coutre, S., Gotlib, J., Greenberg, P., Liedtke, M., Hewitt, R., Regan, K., Williamson, C., Doykan, C., Cardone, et al  
2016; 57 (3): 609-615
  - **Eculizumab Induces Sustained Remission in a Patient With Refractory Primary Catastrophic Antiphospholipid Syndrome** *JCR-JOURNAL OF CLINICAL RHEUMATOLOGY*  
Zikos, T. A., Sokolove, J., Ahuja, N., Berube, C.  
2015; 21 (6): 311-313
  - **Salvage therapy with mitoxantrone, etoposide and cytarabine in relapsed or refractory acute lymphoblastic leukemia.** *Leukemia research*  
Liedtke, M., Dunn, T., Dinner, S., Coutre, S. E., Berube, C., Gotlib, J., Patel, S., Medeiros, B.  
2014; 38 (12): 1441-1445
  - **Salvage therapy with mitoxantrone, etoposide and cytarabine in relapsed or refractory acute lymphoblastic leukemia** *LEUKEMIA RESEARCH*  
Liedtke, M., Dunn, T., Dinner, S., Coutre, S. E., Berube, C., Gotlib, J., Patel, S., Medeiros, B.  
2014; 38 (12): 1441-1445
  - **Sequential azacitidine plus lenalidomide combination for elderly patients with untreated acute myeloid leukemia.** *Haematologica*  
Pollyea, D. A., Zehnder, J., Coutre, S., Gotlib, J. R., Gallegos, L., Abdel-Wahab, O., Greenberg, P., Zhang, B., Liedtke, M., Berube, C., Levine, R., Mitchell, B. S., Medeiros, et al  
2013; 98 (4): 591-596
  - **Accessory splenules in autoimmune hemolytic anemia.** *American journal of hematology*  
Logan, A., Berube, C., Gotlib, J.  
2013; 88 (2): 156-?
  - **Amrubicin, a Novel Investigational Anthracycline, in Combination with Lenalidomide and Dexamethasone in Patients with Relapsed/Refractory Multiple Myeloma: Results of a Phase 1 Dose-Escalation Study**  
Dinner, S. N., Dunn, T. J., Medeiros, B. C., Coutre, S. E., Berube, C., Gotlib, J., Liedtke, M.  
AMER SOC HEMATOLOGY.2012
  - **Safety, efficacy and biological predictors of response to sequential azacitidine and lenalidomide for elderly patients with acute myeloid leukemia** *LEUKEMIA*  
Pollyea, D. A., Kohrt, H. E., Gallegos, L., Figueroa, M. E., Abdel-Wahab, O., Zhang, B., Bhattacharya, S., Zehnder, J., Liedtke, M., Gotlib, J. R., Coutre, S., Berube, C., Melnick, et al  
2012; 26 (5): 893-901
  - **Phase I trial of a novel human monoclonal antibody mAb216 in patients with relapsed or refractory B-cell acute lymphoblastic leukemia** *HAEMATOLOGICA-THE HEMATOLOGY JOURNAL*  
Liedtke, M., Twist, C. J., Medeiros, B. C., Gotlib, J. R., Berube, C., Bieber, M. M., Bhat, N. M., Teng, N. N., Coutre, S. E.  
2012; 97 (1): 30-37
  - **Moxifloxacin-acetaminophen-warfarin interaction during bacille Calmette-Guerin treatment for bladder cancer** *AMERICAN JOURNAL OF HEALTH-SYSTEM PHARMACY*  
Lee, R., Wen, A., Berube, C.  
2011; 68 (9): 814-817
  - **Second-line mitoxantrone, etoposide, and cytarabine for acute myeloid leukemia: A single-center experience** *AMERICAN JOURNAL OF HEMATOLOGY*  
Kohrt, H. E., Patel, S., Ho, M., Owen, T., Pollyea, D. A., Majeti, R., Gotlib, J., Coutre, S., Liedtke, M., Berube, C., Alizadeh, A. A., Medeiros, B. C.  
2010; 85 (11): 877-881
  - **Extending and evaluating a warfarin dosing algorithm that includes CYP4F2 and pooled rare variants of CYP2C9** *PHARMACOGENETICS AND GENOMICS*  
Sagrieya, H., Berube, C., Wen, A., Ramakrishnan, R., Mir, A., Hamilton, A., Altman, R. B.  
2010; 20 (7): 407-413

- **Activity of the tyrosine kinase inhibitor PKC412 in a patient with mast cell leukemia with the D816V KIT mutation** *BLOOD*

Gotlib, J., Berube, C., Gowney, J. D., Chen, C. C., George, T. I., Williams, C., Kajiguchi, T., Ruan, J., Lilleberg, S. L., Durocher, J. A., Lichy, J. H., Wang, Y. F., Cohen, et al

2005; 106 (8): 2865-2870