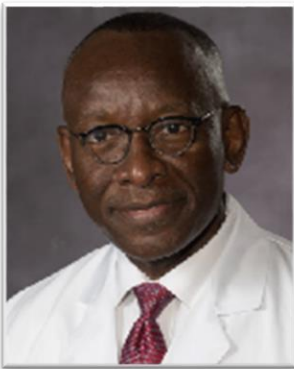


# Alden Chesney, MD

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Director of Laboratory Hematology  
Department of Pathology  
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## Licenses & Certifications

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### *Medical Licenses*

License to Practice Medicine & Surgery, Commonwealth of Virginia Department of Health Professions, 2003

College of Physicians and Surgeons of Ontario, Canada, 2004

Medical Council of Guyana, 1983

### *Board Certifications*

Diplomate in Pathology - Hematology, American Board of Pathology, 2008

Diplomate in Anatomic and Clinical Pathology, The American Board of Pathology, 2007

USMLE Certification 1997

## Virginia Commonwealth University and Medical Center Appointments

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### *Hospital Appointments*

2016 - Present

Department of Pathology, Virginia Commonwealth University,  
Richmond, VA

## *Academic Appointment History*

2016 - Present	Associate Professor, Department of Pathology, Virginia Commonwealth University, Richmond, VA
2016 - Present	Assistant Professor, Department of Laboratory Medicine and Pathobiology, Faculty of Medicine, University of Toronto, Canada
2016 - Present	Teaching Assistant, Clinical Fellow, Hematopathology, Clinical Pathology, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada
2016 - Present	Teaching Assistant, Fellow, Department of Pathology, Barnes-Jewish Hospital, St. Louis, MI
2016 - Present	Supervisor, Medical Practitioners Program, Faculty of Health Sciences, University of Guyana, Georgetown, Guyana
2016 - Present	Associate Professor, Medical Practitioners Program, Faculty of Health Sciences, University of Guyana, Georgetown, Guyana
2016 - Present	Lecturer, Medical Practitioners Program, Faculty of Health Sciences, University of Guyana, Georgetown, Guyana

## *Awards*

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- Certificate of Appreciation - Addis Ababa University School of Medicine
- Certificate of Recognition of Services 10 years - Sunnybrook Health Sciences Centre
- Certificate of Appreciation - Addis Ababa University School of Medicine
- The Danny Ghazarian Resident Teaching Award - Department of Laboratory Medicine & Pathobiology, Faculty of Medicine, University of Toronto

- J.G. Scott Award for Excellence in Teaching - Department of Laboratory Medicine & Pathobiology, Faculty of Medicine, University of Toronto
- CAP Foundation Informatics Award - College of American Pathologists, Bronx, New York
- Certificate of Appreciation for Service in Health - Ministry of Health, Georgetown, Guyana
- Award of Excellence for Graduate Research - University of Havana-Cuba
- Most Outstanding Foreign Medical Graduate - University of Havana-Cuba

## Professional Organizations

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American Society of Clinical Pathologists  
 American Society of Hematology  
 Canadian Medical Association  
 Ontario Medical Association  
 College of American Pathologists  
 United States and Canadian Academy of Pathology  
 MDS Foundation  
 European Society of Microscopy  
 European Society of Hematology  
 Guyana Medical Association  
 Clinical Cytometry Society  
 Society of Hematologic Oncology

## Grants (active)

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VETAR GRANT PROJECT TITLE: Understanding Killer Immunoglobulin like Receptor Interactions to Optimize Natural Killer Cell Function in Stem Cell Transplantation, Principal Investigators: Amir Toor, Jason Reed, Colleen Jackson-Cook, Christina Wiedl, Alden Chesney  
 Role: Assist in all aspects study design and in the interpretation of results

CHRB GRANT: A new approach for detecting IGH translocations in hematologic malignancies, Principal Investigator(s): Jason Reed, Ph.D., Colleen Jackson-Cook, Ph.D.; Amir Toor, M.D.; and Alden Chesney, MD  
 Role: Assist in all aspects study design and in the interpretation of results

MCC PILOT PROJECT GRANT No 501256 TITLE: A practical single molecule approach for detecting cryptic translocations in hematologic malignancies  
Principal Investigators: Jason Reed and Alden Chesney  
Role: Assist in all aspects study design and in the interpretation of results  
May 2018 – April 2022

## Recent Invited Presentations

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Interference of Daratumumab with Flow Cytometric Assessment of Plasma Cell Myeloma, International Conference on Medical Pathology, Houston, USA  
Session - I, Hematopathology / Laboratory Medicine, February 2020

## Recent Publications

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### *Peer Reviewed Publications*

1. Elizabeth Krieger, Roy Sabo, Sanauz Moezzi, Caitlin Cain, Catherine Roberts, Pamela Kimball, **Alden Chesney**, John McCarty, Armand Keating, Rizwan Romee, Christina Wiedl, Rehan Qayyum, Amir Toor. Killer Immunoglobulin-Like Receptor-Ligand Interactions Predict Clinical Outcomes following Unrelated Donor Transplantations Biology of Blood and Bone Marrow Transplantation. April 2020, 26 (4): 672-682. <https://doi.org/10.1016/j.bbmt.2019.10.016>

2. Sean R. Koebley, Andrey Mikheikin, Kevin Leslie, Daniel Guest, Wendy McConnell-Wells, Joshua H. Lehman, Taha Al Juhaishi, Xiaojie Zhang, Catherine H. Roberts, Loren Picco, Amir Toor, **Alden Chesney**, and Jason Reed. Digital Polymerase Chain Reaction Paired with High-Speed Atomic Force Microscopy for Quantitation and Length Analysis of DNA Length Polymorphisms. ACS Nano 2020, 14, 11, 15385-15393. DOI: 10.1021/acsnano.0c0589

3. Sindel A, Taylor T, **Chesney A**, Clark W, Fowler AA 3rd, Toor AA. Hematopoietic stem cell mobilization following PD-1 blockade: Cytokine release syndrome after transplantation managed with ascorbic acid. Eur J Haematol. 2019 Aug; 103(2):134-136. PMID: 31140644

4. Christine V. Ichim, Dzana D. Dervovic, Lap Shu Alan Chan, Claire J. Robertson, **Alden Chesney**, Marciano D. Reis, Richard A. Wells The orphan nuclear receptor EAR-2 (NR2F6) inhibits hematopoietic cell differentiation and induces myeloid dysplasia in vivo *Biomark Res.* 2018; 6: 36. Published online 2018 Dec 7. doi: 10.1186/s40364-018-0149-4 PMID: PMC6286615

5. Mikheikin A, Olsen A, Leslie K, Russell-Pavier F, Yacoot A, Picco L, Payton O, Toor A, **Chesney A**, Gimzewski JK, Mishra B, Reed J. DNA nanomapping using CRISPR-Cas9 as a programmable nanoparticle. *Nat Commun.* 2017 Nov 21; 8(1):1665. PMID: 29162844

6. Riley RS, Williams D, Ross M, Zhao S, **Chesney A**, Clark BD, Ben-Ezra JM. Bone marrow aspirate and biopsy: a pathologist's perspective. II. interpretation of the bone marrow aspirate and biopsy. *J Clin Lab Anal.* 2009; 23(5):259-307. PMID: 19774631

#### *Editorials, Reviews, Commentaries, Proceedings, Invited Published Papers in Peer Reviewed Journals*

1. Riley RS, Idowu M, **Chesney A**, Zhao S, McCarty J, Lamb LS, Ben-Ezra JM. Hematologic aspects of myeloablative therapy and bone marrow transplantation. *J Clin Lab Anal.* 2005; 19(2):47-79. PMID: 15756708

2. Toor AA, **Chesney A**, Zweit J, Reed J, Hashmi SK. A dynamical systems perspective on chimeric antigen receptor T-cell dosing. *Bone Marrow Transplant.* 2019 Mar; 54 (3):485-489. PMID: 30171224

#### *Books, Book Chapters and Monographs*

1. **Chesney AE**, Good DJ, Reis MD. Clinical utility of flow cytometry in the study of erythropoiesis and non-clonal red cell disorders. In: Darzynkiewicz Z, Holden E, Orfao A, Telford WG, Wlodkowic (Eds.) *Cytometry 5th Edition. Recent Advances in Cytometry.* June 2011

#### *Published Abstracts or Proceedings*

1. S. Koebley, J. Reed, A. Mikheikin, K. Leslie, W. McConnell-Wells, J. Lehman, T. Al Juhaishi, X. Zhang, C. Roberts, A. Toor, **A. Chesney** Digital PCR Paired with High-Speed AFM for Quantitation and Length Analysis of DNA Length Polymorphisms *Journal of Molecular Diagnostics*, November 2020, Vol. 22 Issue 11, S92.

2. Victor Yazbeck, Ian McConnell, Emily Harris, Joseph Lownik, Ariel Sindel, Roy Sabo, **Alden Chesney**, Guanhua Lai, Adolfo Mauro, Chad Cain, Fadi N. Salloum, Jamal Zweit, Steven Grant, Jolene Windle, Steven Grossman. Modeling Marginal Zone Lymphomagenesis Blood (2020) 136 (Supplement 1): 31. DOI: <https://doi.org/10.1182/blood-2020-142768> Published: 2020

3. Sean Koebley, Andrey Mikheikin, Kevin Leslie, Wendy McConnell-Wells, Joshua H Lehman, Daniel Guest, Taha Al Juhaishi, Xiaojie Zhang, Catherine H Roberts, Loren Picco, Amir Ahmed Toor, **Alden Chesney**, and Jason Reed. FLT3 Internal Tandem Duplication Quantitation and Length Analysis By Digital PCR Paired with High-Speed AFM Chesney, Alden E. 6 of 7 Blood (2020) 136 (Supplement 1): 21-22. DOI: <https://doi.org/10.1182/blood-2020-137096> Published: 2020