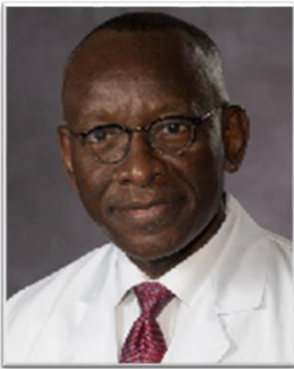


Alden Chesney, MD



Associate Professor of Pathology
Director of Laboratory Hematology
Department of Pathology
Virginia Commonwealth University
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Licenses & Certifications

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

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

- 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

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)

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

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

Peer Reviewed Publications

Zelikson V, Simmons G, Raman N, Krieger E, Rebiero A, Hawks K, Aziz M, Roberts C, **Chesney A**, Reed J, Gress R, Toor A. Dynamical Systems Modeling of Early-Term Immune Reconstitution with Different Antithymocyte Globulin Administration Schedules in Allogeneic Stem Cell Transplantation. Transplantation and Cellular Therapy. Transplant Cell Ther 2022;28(2):85.e1-85.e9. PMID 34688968

Neal D, Robila V, **Chesney A**, and Sayeed S. Fine Needle Aspiration and Core Needle Biopsy of the Spleen: A Case Series Illustrating Current Practices and Challenges. Diagn Cytopathol. 2021;49(11):1196-1206. PMID: 34546006

Roger S. Riley, Paras Gandhi, Susan E. Harley, Paulo Garcia, Justin B. Dalton, **Alden Chesney**. A Synoptic Reporting System to Monitor Bone Marrow Aspirate and Biopsy Quality. J Pathol Inform. 2021; 12: 23. PMID: 34447603.

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>

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

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

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 PMCID: PMC6286615

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

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

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

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

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

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.

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

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