

Juliet Daniel

Professor of Biology at McMaster University

Hamilton, ON, CA

Dr. Daniel is a Cancer Biologist with expertise in breast cancer, racial disparities in cancer, and diversity issues in higher education.

Description

Dr. Juliet Daniel is a Professor in the Department of Biology at McMaster University. Dr. Daniel received her B.Sc. from Queen's University (Kingston), her Ph.D. from UBC (Vancouver) and completed postdoctoral fellowships at St. Jude Children's Research Hospital and Vanderbilt University in Tennessee. At McMaster, Dr. Daniel's research team focuses on understanding how disruptions in cell-cell adhesion and signaling contribute to cancer initiation and progression. Dr. Daniel is most interested in the aggressive triple negative breast cancer (TNBC) subtype that is associated with poor prognosis due to an absence of specific therapies. Intriguingly, young pre-menopausal women of African ancestry have a higher TNBC prevalence and mortality compared to other ethnicities despite a lower incidence and lifetime risk of breast cancer. Since socio-economic status does not fully explain the racial disparity in TNBC prevalence and mortality, Dr. Daniel's research team seeks to identify unique biomarkers or gene mutations that may explain this racial disparity. Her team will utilize genetic, genomic, molecular and cell biology techniques to analyze TNBC tissues from populations of shared African ancestry (Caribbean and West Africa) to identify genetic risk factors that can be used as biomarkers to diagnose or develop therapies for TNBC patients worldwide.

Topics

Breast Cancer Research, Colon Cancer Research, Cadherin-mediated cell adhesion, Cell & Molecular Biology, Developmental Biology, Kaiso and transcription factors, Women in Science and Engineering

Past Talks

Think Beyond Love Pink Breast Cancer Awareness

Think Beyond Love Pink Breast Cancer Awareness Campaign

Think Beyond Love Pink Breast Cancer Awareness

Think Beyond Love Pink Breast Cancer Awareness Interview

Education

Queen's University

B.Sc. Hons Life Sciences

University of British Columbia

Ph.D. Microbiology

Accomplishments

Black Arts and Innovation Expo Trailblazer Award 2016

Excelovate and First Book Canada, Toronto, ON

Gordon and Jean Southam Fellowship 2014

Association of Commonwealth Universities (ACU) Titular Fellowship, UK

YWCA Hamilton "Woman of Distinction Award 2014

Hamilton, ON

Honorary Inductee International Golden Key Society 2013

McMaster University

Nominee, President's Award of Excellence for Graduate Supervision 2013

McMaster University

17th Annual Black History Month Celebration- Actions Speak Louder than Words 2011

Toronto Police Service, Toronto, ON

Outstanding Community Service Award 2011

The Afro-Canadian Caribbean Association of Hamilton & District Inc., ON

Gold Crown of Merit for Cancer Research 2009

Barbados National Honor, Barbados

Errol Walton Barrow Award of Excellence 2009

Barbados Ball Canada Aid, Toronto, ON

Collaborative Conference Community Service Award 2008

Collaborative Conference of Barbadian Associations, Barbados

African Canadian Achievement Award of Excellence in Science 2008

African Canadian Achievement Awards of Excellence, Toronto, ON

Scientific Achievement Award 2006

Barbados American Cancer Association, New York, NY

Professional Achievement Award 2005

John C. Holland Black History Month Award, Hamilton, ON

AACR Minority Scholar in Cancer Research Travel Award 2004, 2005

American Association for Cancer Research, Orlando, FL

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