

# **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.

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## **Biography**

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.

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## **Areas of Expertise**

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

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## **Affiliations**

Associate Member, Dept. of Oncology, McMaster University, Associate Member, Farncombe Family Digestive Health Research Institute, McMaster University, Member, American Association for Cancer Research (AACR), Member, Canadian Society for Molecular Biosciences, Member, American Society for Cell Biology (ASCB), Member, American Society for Microbiology, Co-founder, Academic Women's Success and Mentorship (AWSM) Lecture Series

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## **Event Appearances**

**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

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## **Education**

**Queen's University**  
B.Sc. Hons Life Sciences

**University of British Columbia**  
Ph.D. Microbiology

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## **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

**Ontario Premier's Research Excellence Award (PREA) 2001-2006**

Ministry of Economic Development and Trade, Toronto, ON

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