



Curriculum Vitae

Personal information Jason Fernandes

Work experience

1. Employer: Health Canada
 - Start date: 122016
 - End date:
 - Position: Biologist/Evaluator
 - Activities: Chemistry and Manufacturing Review of Viral Vaccines Clinical Trial material lot release lead Chemistry and Manufacturing Review of COVID_19 Vaccines
 - Country: Canada
2. Employer: The Ottawa Hospital Research Institute
 - Start date: 012014
 - End date: 122016
 - Position: Operator _ Stemcore Flow Cytometry Facility
 - Activities: Maintaining facility cytometers, assay design, operation of high_speed cell sorter, delivery of training programs.
 - Country: Canada

Education and training

1. Subject: The Ottawa Hospital Research Institute
 - Start date: 102010
 - End date: 122014
 - Qualification: Postdoctoral Fellowship
 - Organisation: Immunology _ Th17 cell dysfunction in HIV infection Virology _ HIV Assay design _ Flow cytometry, T cell stimulation assays, Intracellular cytokine staining, ELISA, ELISPOT, Western Blot
 - Country: Canada
2. Subject: McMaster University
 - Start date: 092005
 - End date: 102010
 - Qualification: Ph. D. Medical Sciences (Immunology)
 - Organisation: Correlates of Mucosal Immunity in Peripheral Blood B cell immunology, B cell stimulation assays, isolation of B cells from peripheral blood, in vitro B cell differentiation assays Antibody assays _ Size exclusion/ELISA, isotype_specific ELISA, ELISPOT, antigen_specific ELISAs, Flow cytometry to evaluate cell populations and antigen_specific B cells
 - Country: Canada

Additional information

Publications

REFEREED PUBLICATIONS 1. JR Fernandes, TK Berthoud, A Kumar, JB Angel. (2017) IL_23 signalling in TH17 cells is inhibited by HIV infection and is not restored by HAART: Implications for persistent immune activation. PLoS One. 12(11): e0186823. 2. N Gajanayaka, S O'Hara, Y Konarski, J Fernandes, K Muthumani, M Kozlowski, JB Angel, A Kumar. (2017) HIV and HIV_Tat inhibit LPS_induced IL_27 production in human macrophages by distinct intracellular signaling pathways. J. Leukoc. Biol. 102(3): 923_939. 3. Tanchaiphitr N, Kongmanas K, Kruevaisayawan H, Saewu A, Sugeng C, Fernandes J, Souda P, Angel JB, Faull KF, Aitken RJ, Whitelegge J, Hardy D, Berger T, Baker M. (2015) Remodeling of the plasma membrane in preparation for sperm_egg recognition: roles of acrosomal proteins. Asian J. Androl. 17 (4): 574_82. 4. Kongmanas K, Kruevaisayawan H, Saewu A, Sugeng C, Fernandes J, Souda P, Angel JB, Faull KF, Aitken RJ, Whitelegge J, Hardy D, Berger T, Baker MA, Tanphaichitr N. (2014) Proteomic Characterization of Pig Sperm Anterior Head Plasma Membrane Reveals Roles of Acrosomal Proteins in ZP3 Binding. J Cell Physiol 230 (2): 449_63. 5. JR Fernandes, DP Snider. (2010) Polymeric IgA secreting and mucosal homing pre_plasma cells in normal human peripheral blood. International Immunology; 22(6): 527_540. (Prepared manuscript, conceived and conducted research) 6. JR Fernandes, S Wasserman, DP Snider. (2010) Stimulation of anti_polio and anti_HSV IgA pre_plasma cell response in blood following parenteral immunization with tetanus_diphtheria vaccine. Vaccine; 28(6): 1493_1498. (Prepared manuscript, conceived and conducted research) 7. DA Clark, JR Fernandes, D Banwatt. (2008) Prevention of Spontaneous Abortion in the CBA x DBA/2 Mouse Model by Intravaginal TGF_Beta and Local Recruitment of CD4+8+ FOXP3+ Cells. American Journal of Reproductive Immunology; 59(6): 525_534. (Collected immunochemistry data for manuscript)

Projects

Memberships

SCHOLARSHIPS AND AWARDS • New Investigator Scholarship _ Canadian Association for HIV Research (2014) • Young Investigator Scholarship _ Conference on Retroviruses and Opportunistic Infections (2014) • New Investigator Scholarship _ Ontario HIV Treatment Network (2013) • Postdoctoral research day award _ University of Ottawa Faculty of Medicine (2013) • Café Scientifique Grant (\$3000) _ Canadian Institutes of Health Research (2013) CONFERENCE PRESENTATIONS 1. JR Fernandes, JB Angel. (2014) Impaired IL_23 signaling and Th17 dysfunction in HIV infection. Canadian Association for HIV Research Annual Conference. St. John's, NL, Canada (Oral Presentation) 2. JR Fernandes, JB Angel. (2014) Impaired IL_23 signaling and Th17 dysfunction in HIV infection. Conference on Retroviruses and Opportunistic Infections. Boston, MA, USA (Poster Presentation) 3. JR Fernandes, A Kumar, JB Angel. (2013) Impaired IL_23 signalling and Th17 dysfunction in HIV infection. Ontario HIV Treatment Network Annual Conference. Toronto, ON, Canada (Oral Presentation) 4. JR Fernandes, JB Angel. (2013) In vitro HIV infection reduces IL_17 secretion and STAT3 signaling in human Th17 cells. Canadian Association for HIV Research Annual Conference. Vancouver, BC, Canada. (Oral presentation) 5. JR Fernandes, JB Angel. (2012) In vitro infection reduces IL_17 expression by human Th17 cells. Ontario HIV Treatment Network Annual Conference. Toronto, ON,

Canada. (Oral Presentation) 6. JR Fernandes, JB Angel. (2012) HIV infection alters human TH17 function. Canadian Association for HIV Research Annual Conference. Montreal, QC, Canada. (Poster Presentation) 7. JR Fernandes, JB Angel. (2011) In vitro infection reduces IL_17 expression by human Th17 cells. Ontario HIV Treatment Network Annual Conference. Toronto, ON, Canada. (Poster Presentation) 8. JR Fernandes, S Wasserman, DP Snider. (2010) New Insights into mucosal immune homeostasis: Functional and Phenotypic Analysis of Blood_Borne Mucosal B Cells. Canadian Society for Immunology Annual Conference. Niagara Falls, ON, Canada. (Poster Presentation) 9. JR Fernandes, DP Snider. (2009) Bystander Stimulation of Mucosal Memory B Cell Response Detected in Blood following Parenteral Immunization. Society for Mucosal Immunology. Boston, MA, USA. (Oral Presentation) 10. JR Fernandes, D Arlen, A Gangji, DP Snider. (2004) A Novel Test for PreExisting HLA Antibody in Renal Transplantation. International Congress of Immunology/Federation of Clinical Immunological Sciences. Montreal, QC, Canada. (Abstract, Poster Presentation)

Other Relevant Information