



**Muhammad Kashif Mughal**

**FACULTY OF NURSING**

Web Curriculum Vitae  
(5 year summary)

**Education:**

PhD. (Infection and Immunity)	University of Glasgow –UK April 2014
Bachelor of Medicine, Bachelor of Surgery (MBBS)	Dow Medical College- Pakistan July 2005

**Professional Experience:**

*Research*

Postdoctoral Fellow	University of Calgary	Mar 2015 – Present
Research Associate	University of Calgary	Dec 2014 – Feb 2015
Research Associate	Dow University of Health Sciences	Mar 2008 – Sep 2009

*Clinical*

Microbiologist	City Lab Karachi, Pakistan	Aug 2006 – Feb 2008
House Officer	Civil Hospital Karachi- Pakistan	Aug 2005 – Jul 2006

**Awards and Distinctions:**

1. Travel award funded by Faculty of Nursing (\$1500), 2017
2. Travel award funded by Alberta Children’s Hospital Research Institute (ACHRI) (\$750), 2017
3. Rising Researcher award to attend the 15th Canadian Child Health Clinician Scientist Program (CCHCSP) Annual National Symposium by CCHSCSP (\$350), 2017
4. Travel award funded by CIHR-IHDCYH (\$600), 2017
5. CIHR-IHDCYH award of excellence for poster presentation at the Canadian National Perinatal Research Meeting 2016, Banff, Canada
6. Covenant Health Faculty of Nursing Emerging Researcher Award (Nominee), 2016
7. Travel Award funded by Max Bell Foundation (\$150), 2016
8. Eyes High Postdoctoral Fellowship funded by University of Calgary (Canada), (\$50,000/year), 2015

9. Travel Award funded by Max Bell Foundation (\$1600), 2015
10. Travel Award funded by Learning and Teaching Development Fund (£500), University of Glasgow, UK 2014
11. Scholarship awarded by Charles Wallace Pakistan Trust (£750), 2013
12. Best Teacher Award, Dow University of Health Sciences, Pakistan, 2009
13. Distinction (75% or more marks) Biochemistry in 1st & 2nd year at Dow Medical College, Pakistan 2001, 2002.
14. Top 15 Student Award (\$200), Board of Secondary Education, Karachi, Pakistan, 1997

#### Research Funding:

1. Benzies, K., (PI); Mughal M. K., & Ginn, C. (Co-Is). CUPS One World Child Development Centre: Effects at age 15 following a two-generation preschool program. Max Bell Foundation (10/2015- 09/2018; Amount \$26,811)

#### Publications, Peer Reviewed:

1. Ginn, C., **Mughal, M. K.**, Syed, H., Storteboom, AR., & Benzies, K. Sustaining Engagement in Longitudinal Research with Vulnerable Families: A Mixed Methods Study of Attrition. *Journal of Family Nursing* (2017). (Accepted)
2. **Mughal, M.K.**, Ginn, C., Magill-Evans, J., & Benzies, K. Parenting stress of mothers and fathers of late preterm infants at 4 Months corrected age. *Research in Nursing and Health* (2017). (In press) doi: 10.1002/nur.21809
3. Scott, P.H, Veitch, N.J., Gadegaard, H., **Mughal, M.K.**, Norman, G., Welsh, W. (2017). Enhancing theoretical understanding of a practical biology course using active and self-directed learning. *Journal of Biological Education*. doi: 10.1080/00219266.2017.1293557.
4. Akhter, A., Farooq, F., Elyamany, G., **Mughal, M.K.**, Rashid-Kovear, F., Shabani-Rad, M. T., Street, L., & Mansoor, A. (2017) (in press) Acute myeloid leukemia (AML): Up-regulation of BAALC/MN1/MLL11/EVI1 gene cluster relate with poor overall survival and a possible linkage with co-expression of MYC/BCL2 proteins. *Journal of Applied Immunohistochemistry and Molecular Morphology*.
5. Akhter, A., **Mughal, M.K.**, Elyamany, G., Sinclair, G., Azma, R.Z., Masir, N., Shuib, S., Rashid-Kolvear, F., Shabani-Rad, M.T., Stewart, D.A., Mansoor, A. (2016). Multiplexed automated digital quantification of fusion transcripts: comparative study with fluorescent in-situ hybridization (FISH) technique in acute leukemia patients. *Diagnostic Pathology*, 11(1),89. doi: 10.1186/s13000-016-0541-z
6. Bokori-Brown, M., Khafaji, M.A., **Mughal, M.K.**, Naylor, C.E., Shore, A.C., Gooding, K.M., Casanova, F., Mitchell. T.J., Titball, R.W., Winlove, P.C. (2016). Red blood cell susceptibility to Pneumolysin: Correlation with membrane biochemical and physical properties. *Journal of Biological Chemistry*, 291(19), 10210-27 doi: 10.1074/jbc.M115.691899
7. **Mughal, M. K.**, Akhter, A., Street, L., Pournazari, P., Shabani-Rad, M. T., & Mansoor, A. (2016). Acute myeloid leukaemia: Expression of MYC protein and its association with cytogenetic risk profile and overall survival. *Hematological Oncology*. [Epub ahead of print] doi:

- 10.1002/hon.2279.
8. **Mughal, M. K.**, Ginn, C., Perry, R., & Benzies, K. (2015) Longitudinal effects of a two-generation preschool program on receptive language skill in low-income Canadian children to age 10 years. *Child: Health, Care and Development*, 186(8), 1316-1326. doi: 10.1080/03004430.2015.1092141.
  9. Gray C, Ahmed MS, Mubarak A, Kasbekar AV, Derbyshire S, McCormick MS, **Mughal MK**, McNamara PS, Mitchell T, Zhang Q. (2014). Activation of memory Th17 cells by domain 4 pneumolysin in human nasopharynx associated lymphoid tissue and its association with pneumococcal carriage. *Mucosal Immunology*, 7(3), 705-17. doi:10.1038/mi.2013.89
  10. Shafique K, Mirza SS, **Mughal MK**, Arain ZI, Khan NA, Tareen MF, Ahmad I. (2012). Water-pipe smoking and metabolic syndrome: a population-based study. *PLoS One*, 7(7). doi: 10.1371/journal.pone.0039734

#### Peer-Reviewed Conference Presentations:

1. **Mughal, M. K.**, Giallo, R., Bright, K., Harvalik, P., Benzies, K., McDonald S., & Kingston, D (2017, April 27-30). Trajectories of Maternal Anxiety and Child Development at three years [Poster presentation], Canadian Child Health Clinician Scientist Program (CCHCSP) 15th Annual National Symposium, Calgary, Alberta, AB.
2. **Mughal, M. K.**, Kingston, D., Bright, K., Harvalik, P., Benzies, K., & Giallo, R. (2017, February 14-17). Trajectories of Maternal Anxiety and Child Development at three years [Poster presentation], Canadian National Perinatal Research Meeting (CNPRM), Montebello, Quebec, QC.
3. **Mughal, M. K.**, Ginn, C., Perry, R., & Benzies, K. M. (2016, September 18-22) Caregiver stress, child-rearing attitudes, self-esteem, and child development. [Oral presentation]. International Association for Child and Adolescent Psychiatry and Allied Professions World Congress (ICAPAP), Calgary, AB)
4. **Mughal, M. K.**, Ginn, C., & Benzies, K. M. (2016, April 27). Parental stress in late preterm infants and its effect on infant development. [Poster presentation]. Alberta Children Hospital Research Institute (ACHRI) Research Symposium, Calgary, AB
5. **Mughal, M. K.**, Ginn, C., & Benzies, K. M. (2016, February 10-13). Parental stress in late preterm infants [Poster Presentation] 2016 Canadian National Perinatal Research Meeting, Banff, AB
6. **Mughal, M. K.**, & Benzies, K. M. (2015, November 5-7). Nurturing Parenting: A two generation, evidence-based program in low-income, high-risk families to enhance parent-child relationships and promote safe, healthy environment for early child development. [Poster Presentation]. 2015 Canadian Association of Perinatal and Women's Health Nurses Conference, Quebec City, QC
7. **Mughal, M. K.**, & Mitchell, T.J., (2012, September). Development of pneumolysin as a vaccine candidate. [Poster Presentation]. Society of General Microbiology Conference, Warwick, UK
8. **Mughal, M. K.**, & Mitchell, T.J., (April 2012) Development of pneumolysin as a vaccine candidate. [Oral Presentation]. Divisional Seminar Series, University of Glasgow, UK
9. **Mughal, M. K.**, & Mitchell, T.J., (2011, November) Non-hemolytic Pneumolysin variants as vaccine candidates. [Poster Presentation] World Pneumonia Day, University of Glasgow, UK