

Abbreviated Curriculum Vitae

PERSONAL INFORMATION

Name: Zia A. Khan
Rank: Professor
Department: Pathology and Laboratory Medicine
Date tenured: 2013-07
Office Address: 4015 Dental Sciences Building
1151 Richmond Street
London, Ontario, N6A 5C1, Canada

t. (519) 661-2111 Ext 81562
f. (519) 661-3370
e. zia.khan(at)schulich.uwo.ca

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EDUCATION & TRAINING

A) Universities Attended:

Dates	Program	Institution and Field
2001-09 - 2004-05	Ph.D.	Western University, London ON <i>Field/Discipline: Pathology</i> <i>Thesis title: Oncofetal fibronectin in diabetic retinopathy</i> <i>Thesis advisor: Subrata Chakrabarti, MBBS, PhD, FRCP(C)</i>
2000-01 - 2001-06	M.Sc.	Northeastern University, Boston MA <i>Field/Discipline: Biomedical Science</i> <i>Thesis title: Fatty acid methyl esters in serum: markers of chronic ethanol intake</i> <i>Thesis advisor: Michael Laposata, MD, PhD, FCAP</i>
2000-01 - 2001-06	P.B.	Northeastern University, Boston MA <i>Post-baccalaureate Program</i> <i>Field/Discipline: Clinical Chemistry</i> <i>Internship: Clinical Chemistry Laboratory, Brigham and Women's Hospital, Boston MA</i> <i>Program advisor: Barbara E. Martin, MHP, MT(ASCP)</i>
1994-09 - 1998-05	B.Sc.	Dalhousie University, Halifax NS <i>Field/Discipline: Advanced Double Major in Neuroscience & Biochemistry</i>

B) Postgraduate & Postdoctoral Training:

Dates	Program	Institution and Field
2004-07 - 2007-06	PDF	Vascular Biology Program, Department of Surgery, Boston Children's Hospital and Harvard Medical School, Boston MA <i>Postdoctoral Fellow (Research)</i> <i>Mentor: Joyce Bischoff, PhD</i>

EMPLOYMENT HISTORY**A) Academic Appointments:**

- 2021-07 - Professor, Department of Pathology and Laboratory Medicine, Schulich School of Medicine & Dentistry, Western University, London ON
- 2013-07 - 2021-06 Associate Professor, Department of Pathology and Laboratory Medicine, Schulich School of Medicine & Dentistry, Western University, London ON
- 2007-07 - 2013-06 Assistant Professor, Department of Pathology*, Schulich School of Medicine & Dentistry, Western University, London ON

**Effective July 2014, Department of Pathology at Western University assumed operation under the name Pathology and Laboratory Medicine.*

B) Hospital/Affiliated Institute Appointments:

- 2014-07 - Associate Scientist, Division of Genetics & Development, Children's Health Research Institute, London ON
- 2007-10 - Associate Scientist, Lawson Health Research Institute, London ON

C) Administrative Appointments:

- 2019-07 - 2022-06 Director of Research, *Reappointment (third term)*, Department of Pathology and Laboratory Medicine, Western University, London ON
- 2018-07 - 2023-06 Graduate Chair, Research-based Programs, Department of Pathology and Laboratory Medicine, Western University, London ON
- 2016-07 - 2019-06 Director of Research, *Reappointment (second term)*, Department of Pathology and Laboratory Medicine, Western University, London ON
- 2013-07 - 2016-06 Director of Research, Department of Pathology and Laboratory Medicine, Western University, London ON
- 2013-07 - 2018-06 Chair, Bachelor of Medical Sciences (BMSc) Program in Pathology, Department of Pathology and Laboratory Medicine, Western University, London ON
- 2010-07 - 2010-12 Acting Chair, Bachelor of Medical Sciences (BMSc) Program in Pathology, Department of Pathology, Western University, London ON

TEACHING

Summary: Undergraduate and Graduate Course Coordination and Teaching**Undergraduate Courses**

Course	Course title	Coordination	Teaching	Years
PATHOL 4200A	Current concepts in the pathogenesis of human disease	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2013 - 2021
PATHOL 4980E	Seminar and research project	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2009 -
PATHOL 480E	Seminar and research project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2007 - 2009

Graduate Courses

PATHOL 9240A	Introduction to Human Pathology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2022
PATHOL 9588B	Graduate seminar and research project (GDip)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2021 -
PATHOL 9586A	Introduction to research methods (GDip)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2021 -
PATHOL 9587L	Emerging concepts in health and disease	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2018 -
PATHOL 9X1Y ¹	Journal club seminar series	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2018 - 2022
PATHOL 9687A	Effective proposal writing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2011 - 2022
PATHOL 9X1Y ¹	Journal club seminar series	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2017 - 2018
PATHOL 955X ²	Journal club seminar series	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2010 - 2015
PATHOL 9X1Y ¹	Journal club seminar series	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2009 - 2010

¹ X = 5, 6 [5 for MSc students, 6 for PhD students]; Y = 0,1,2,3 [years; MSc students have 0,1 and PhD students have 0-3].

² X = 5-8 [5 and 6 for MSc, 5-8 for PhD].

STUDENT SUPERVISION & MENTORSHIP

Summary: Supervision, Advisory Committee, Mentorship, and Examination Committee

	In Progress	Completed	Total
<i>Undergraduate Supervision & Mentorship</i>			
Thesis Advisor	-	17	17
PC Shah Scholarship Supervisor	-	1	1
Scholar's Elective (SE) Supervisor	-	8	8
<i>Graduate Supervision & Mentorship</i>			
Thesis Advisor	2	16	18
MCISc (PA) Research Supervisor, non-thesis	-	8	8
Thesis Advisory Committee	6	35	41
Thesis Examination Committee			
<i>Examiner</i>	-	68	68
<i>Chair, Examination Committee</i>	-	47	47
Comprehensive Examination Committee			
<i>Examiner</i>	-	15	15
<i>Chair, Examination Committee</i>	-	1	1
<i>Other Supervision & Mentorship</i>			
Non-thesis Research Advisor	-	10	10

RESEARCH FOCUS

The focus of my research is on understanding the mechanisms of vascular repair and homeostasis with emphasis on vascular stem cell differentiation and *de novo* postnatal blood vessel formation. My research team uses *in vitro* and *in vivo* model systems of chronic diseases to study the biology of primary adult vascular stem cells and to elucidate the signaling mechanisms involved.

Research keywords: vasculogenesis, angiogenesis, stem cells, cell differentiation, endothelial cells, extracellular matrix, tumorigenesis, cell signaling, cell-cell interactions, *in vivo* modeling.

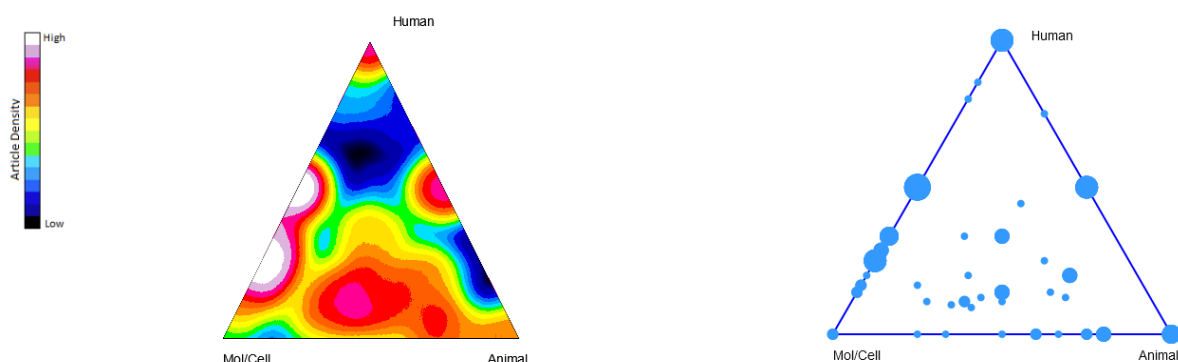


Figure: Scope of research publications. Figure generated from PMIDs of research articles, using <https://icite.od.nih.gov>.

PUBLICATIONS

Publication Summary:

	Published/ In press	Submitted/ (in preparation)	Career Totals ¹
Book Chapters	3	-	3
Peer-reviewed Articles	77	- / -	77

¹ Articles in preparation/under review are not included in the totals

Web of Science ResearcherID: G-8348-2011

ORCID: 0000-0003-1682-5720

Citation Metrics

[Google Scholar](#)

Sum of the times cited	5448
h-index	39
i10-index	65
i100-index	16

[h-index is the largest number h such that h publications have at least h citations].

[i10-index is the number of publications with at least 10 citations].

[i100-index is the number of publications with at least 100 citations].

Field-normalized measure of Impact

[NIH iCite](#) - Relative Citation Ratio (RCR)

Weighted RCR 114.03 [Weighed RCR > total publications]

RCR	Mean	SEM
All articles (76)	1.61	0.23
Research articles only (66)	1.72	0.26

[Weighed RCR: Sum of RCRs of all publications. A highly influential set of articles will have a higher Weighted RCR than total publications].

[RCR is calculated as cites/year of each paper, normalized to the citations per year received by NIH-funded papers in the same field and year; Benchmark for NIH R01-funded paper in the same field = 1.0].