

JAMES ALEXANDER SCOTT

BIOGRAPHICAL INFORMATION

Date of birth: October 1, 1967
Place of birth: Simcoe, Ontario, CANADA
Citizenship: Canadian
Marital status: Married
Dependents: None

University address

Dalla Lana School of Public Health /
Gage Occupational & Environmental Health Unit
University of Toronto
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522 Delaware Avenue North
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EDUCATION

PhD University of Toronto: 2001
Dissertation: *Studies on Indoor Fungi*, 441 pp.
Co-Supervisors: David Malloch, Neil Straus
Major Program: Mycology
Minor Programs: Occupational Hygiene; Phycology

BSc University of Toronto: 1990
Specialist Program: Phytopathology
Major Program: Botany
Minor Program: French Studies

Continuing education

1. Rapidly changing mycology – New facts and ideas to put you ahead of the reference lab. May 16, 2007, Toronto, ON, sponsored by the National Laboratory Training Network.
2. Identification of house dust and indoor particles. May 6–8, 2004, McCrone Research Institute, Chicago IL, USA.

Academic and professional certifications

PAACB	Spore Analyst Pan-American Aerobiology Certification Board: 2007–present (based on successful completion of two-stage proctored examination, recertified 2010-05-04)
ARMCCM	Registered Academic and Research Microbiologist Canadian College of Medical Microbiologists: 2003–present (based on peer assessment of education, research and teaching)

Honours and awards

2006	Robin Badgley Award for Teaching Excellence
1998–1999	University of Toronto Open Fellowship
1996–1998	NSERC Postgraduate Fellowship (Doctoral)
1996	Wintercorbyn Award for Research in Botany Applied to Medicine
1995–1997	Lillian Elfeda Darker Award
1993–1994	University of Toronto Open Fellowship
1992	Canadian Society for Medical Mycology – Best Student Paper Award

EMPLOYMENT

2013–	Head, Division of Occupational and Environmental Health, Dalla Lana School of Public Health, University of Toronto, Toronto, Ontario
2009–	Associate Professor (Primary appointment), Division of Occupational and Environmental Health, Dalla Lana School of Public Health, University of Toronto, Toronto, Ontario (Tenure awarded July 2009)
2009–	Full Member, School of Graduate Studies (Graduate Department of Public Health Sciences), University of Toronto, Toronto, Ontario
2008–	Scientist (Cross-appointed), The Li Ka Shing Knowledge Institute, St. Michael's Hospital, Toronto, Ontario
2003–	Assistant Professor (Cross-appointed), Division of Clinical Pharmacology and Toxicology, Department of Medicine, Faculty of Medicine, University of Toronto, Toronto, Ontario
2003–2006	Assistant Professor (Cross-appointed), Botany Department, University of Toronto, Toronto, Ontario (appt ended when department was dissolved)
2002–2009	Associate Member, School of Graduate Studies (Graduate Department of Public Health Sciences), University of Toronto, Toronto, Ontario
2002–2009	Assistant Professor (Primary appointment), Division of Occupational and Environmental Health, Dalla Lana School of Public Health (formerly Department of Public Health Sciences, Faculty of Medicine), University of Toronto, Toronto, Ontario
2001–	Medical Mycology Consultant, Gamma-Dynacare Medical Laboratories Ltd., Brampton, Ontario
1996–	President & Laboratory Director, Sporometrics, Toronto, Ontario
1993–2000	Teaching Assistant, Botany Dept, University of Toronto, Toronto, Ontario
1990–1993	Research Technician (Mycology), Botany Dept, University of Toronto, Toronto, Ontario

- 1989–1990 Laboratory Technologist, Medical Mycology, Daniel Medical Laboratories Inc., Toronto, Ontario
- 1989–1989 Summer Student, Mushroom Research Group, Horticultural Research Institute of Ontario, Ontario Ministry of Agriculture and Food, Vineland, Ontario
- 1987–1988 Summer Student, Weed Science and Plant Pathology, Agriculture and Agri-Food Canada, Delhi, Ontario

Memberships in academic and professional societies

- 1998– American Industrial Hygiene Association
- 1996– American Society for Microbiology
- 2003– British Mycological Society
- 2003– Canadian College of Microbiologists
- 1992– Canadian Society for Medical Mycology
- 2007– International Aerobiology Association
- 1990– International Society for Human and Animal Mycology
- 1996– International Society for Indoor Air Quality and Climate
- 1987– Mycological Society of America
- 2006– Mycological Society of Japan
- 2006– Occupational Hygiene Association of Ontario
- 2005– Pan-American Aerobiology Association
- 2008– Society for General Microbiology

Memberships on internal and university committees

- 2009– Executive Committee, Division of Occupational & Environmental Health, Dalla Lana School of Public Health, University of Toronto
- 2009– Executive Council, Centre for Research Expertise in Occupational Disease (CREOD), University of Toronto & St. Michael's Hospital, Toronto
- 2009– Lead, Biological Contaminants Research Program, Centre for Research Expertise in Occupational Disease (CREOD), University of Toronto & St. Michael's Hospital, Toronto
- 2007–2012 Committee Member (6 others), Occupational Medicine Subspecialty Committee Dalla Lana School of Public Health
- 2007–2007 Committee Member (3 others), Assistant Professor, Occupational & Environmental Health Contract-Limited Term Appointment (CLTA) Hiring Committee, Department of Public Health Sciences
- 2006–2006 Committee Member, (3 others), Biosafety Officer Hiring Committee, Office of Occupational & Environmental Health & Safety, Human Resources
- 2006–2008 Committee Member (6 others), Task Group on PHS Management Structure, Department of Public Health Sciences
- 2005–2006 Committee Member (6 others), Advisory Committee to the Chair, Department of Public Health Sciences
- 2005– Committee Member and Local Biosafety Coordinator for Gage Building and other sites lacking a Local Biosafety Coordinator on the St. George Campus, Biosafety Committee, Office of Occupational & Environmental Health & Safety, Human Resources

- 2005–2006 Committee Member (3 others), Subcommittee on U of T Biosafety Manual Update, Office of Occupational & Environmental Health & Safety, Department of Human Resources
- 2004–2005 Taskforce Leader, Gage Building Remediation User Planning Taskforce, Gage Occupational & Environmental Health Unit
- 2004 Committee Member (4 others), Curriculum Renewal Committee, Department of Public Health Sciences

Memberships and offices on external committees and associations

- 2010– Member (8 others), Board of Directors, AIHA Proficiency Analytical Testing LLC
- 2010–2012 President, Pan American Aerobiology Association
- 2009–2010 Advisor (15 others), Aeroallergens and Health, Group on Earth Observations, Geneva, Switzerland
- 2007–2009 Vice President, Pan American Aerobiology Association
- 2007–2008 Committee Member (~10 others), Organizing committee for the AllerGen Environmental Exposures Workshop, AllerGen NCE, Program A (Banff, AL, February 2008)
- 2005– Committee Member (6 others), Working group on Institutional Biosafety, Biosafety & Environmental Microbiology Committee, AIHA
- 2005– Committee Member (14 others), Working group on Environmental Microbiology, Biosafety & Environmental Microbiology Committee, AIHA
- 2005– Committee Member (4 others), Taskforce on AIHA Field Guide for the Determination of Biological Contaminants in Environmental Samples. Biosafety & Environmental Microbiology Committee, AIHA
- 2005–2007 Committee Member (9 others), Taskforce on Avian Influenza Respirator Protection Planning, Biosafety & Environmental Microbiology Committee, American Industrial Hygiene Association (AIHA)
- 2004– Committee Member (~30 others), Biosafety & Environmental Microbiology Committee, AIHA
- 2000–2008 Committee Member (3 others), Microbiology Committee/ Mycology Advisory Group, Quality Management Programs – Laboratory Services, Ontario Medical Association
- 2000–2003 Committee Member (6 others), Environmental Microbiology Laboratory Accreditation Committee (EMLAC) & Technical Advisory Panel (TAP), AIHA
- 2000–2002 Committee Member (6 others), Food Laboratory Accreditation Committee, AIHA
- 2002–2003 Chair, Environmental Health & Medical Mycology Committee, Mycological Society of America (MSA)
- 1999–2003 Committee Member, (~8 others), Environmental Health & Medical Mycology Committee, Mycological Society of America (MSA)

Editorial and reviewer activities

- 2001–2006 Associate Editor (Environmental Mycology), *Mycopathologia*

- Peer Reviewer for various academic journals including: Analytical Methods; Applied & Environmental Microbiology; Botany; Canadian Journal of Microbiology; Environmental Science & Technology; Fungal Diversity; Fungal Genetics & Biology; Journal of Immunological Methods; Mycopathologia; Mycotaxon; Mycologia; Occupational & Environmental Health
- Grant reviewer for Agriculture & Agri-Food Canada; Austrian Science Foundation (ASF); British Medical Research Council (BMRC); Health Canada; MITACS; National Institutes of Health (NIH); National Geographic Foundation, Newfoundland and Labrador Centre for Applied Health Research; Ontario Workplace Safety & Insurance Board (WSIB); US Department of Agriculture - Agriculture Research Service (USDA-ARS)

RESEARCH AWARDS

Summary of award history

Year awarded	Funding agency (* indicates funds held at U of T)	Status on application		Co-I/ Collaborator
		PI/	Co-PI	
2012	Alfred P Sloan Foundation*	USD	\$ 250,000	
2012	Ontario Thoracic Society			\$ 50,000
2010	CIHR(*)		\$ 2,485,420	
2009	Chemical Mgmt Plan, Health Canada			\$ 607,948
	subgrant a)*		\$ 330,000	
	subgrant b)*		\$ 101,712	
2009	CIHR*		\$ 86,030	
2008	Ministry of Environment*		\$ 25,000	
2007	CIHR/ AllerGen NCE			\$ 11,810,440
	subgrant*		\$ 189,560	
2007	AllerGen NCE*		\$ 150,000	
2007	AllerGen NCE*			\$ 250,000
2007	AllerGen NCE			\$ 105,000
2007	WSIB-RAC*		\$ 391,000	
2006	Lung Assoc / OTS*			\$ 57,000
2005	US EPA			USD \$ 7,485,000
	subgrant a)*			USD \$ 515,000
2005	AllerGen NCE*			\$ 150,000
2005	AllerGen NCE*			\$ 369,000
2005	WSIB-RAC*		\$ 281,000	
2004	WSIB-RAC*			\$ 1,946,000
	subgrant a)*		\$ 10,000	
	subgrant b)*		\$ 10,000	
	subgrant c)*		\$ 10,000	
2004	CFI			\$ 6,980,000
2003	Faculty of Medicine*		\$ 10,000	
2002	Connaught Fund*		\$ 10,000	
	TOTAL		\$ 4,339,772	\$ 30,325,388

Award detail

1. PI: **Scott JA**
Co-I(s): Savory E, Summerbell RC
Agency: Alfred P Sloan Foundation
Program: Microbiology of the Built Environment
Title: Improved methods for biodeterioration resistance testing of building materials

Award detail

- Amount: \$ 250,000 USD
Status: held, 10/2012–09/2014
- 2.
3. PI(s): Mubareka S, Savory E
Co-I(s): Siu A, Verollet R, Carvalho E, **Scott JA**
Agency: The Lung Association/ Ontario Thoracic Society
Program: Operating Grant
Title: Characterization of influenza virus-laden infectious bioaerosols
Amount: \$50,000
Status: held, 12/2012–11/2013
4. PIs: Kozyrskyj AM, **Scott JA**
Co-PI(s): Becker AB, Guttman DS, Hayglass KT, Mandhane P
Co-I(s): Befus AD, Chari RS, Field CJ, Klassen TP, Moqbel R, Turvey SE
Agency: CIHR
Program: Emerging Team Grant: Canadian Microbiome Initiative
Title: Synergy in Microbiota Research (SyMBIOTA)
Amount: \$2,485,422
Status: held, 09/2010–08/2015
5. PI: Kozyrskyj AM, **Scott JA**
Co-I(s): Becker AB, Befus AD, Mandhane P
Agency: CIHR
Program: Catalyst Grant: Human Microbiome
Title: The impact of antibiotics on intestinal microbiota of infants
Amount: \$86,030
Status: completed, 03/2009–02/2010
6. Co-PIs: Wheeler A, Brook J
Co-I(s): Allan R, Brauer M, Kollmann T, Lanphear B, **Scott JA**, Takaro T
Agency: Health Canada
Program: Chemicals Management Plan
Title: An assessment of long-term indoor residential pollution exposures among Canadian children
Amount: \$1,039,660 (subgrants not deducted)
Status: held, 05/2009–03/2011
- Subgrant a)
PI: **Scott JA**
Co-I(s): —
Title: Improved tools for assessing long-term indoor and outdoor exposures in epidemiological studies of allergy and asthma
Amount: \$101,712
Status: held, 05/2009–03/2011
- Subgrant b)
PI: **Scott JA**
Co-I(s): —
Title: Environmental measures for CHILD cohort
Amount: \$330,000
Status: held, 09/2009–03/2011
7. PI: **Scott JA**
Co-I(s): Silverman F, Summerbell RC
Agency: Ontario Ministry of the Environment

Award detail

- Program: Best in Science
Title: Investigation of the feasibility of using polymerase chain reaction (PCR) for source tracking of aerosols
Amount: \$25,000
Status: held, 02/2008–10/2008
8. PI: Sears M, Subbarao PJ
Co-I(s): Becker A, Befus D, Brauer M, Chen E, Cherry N, Cyr M, Dales R, Denburg J, Elliot S, Grasseman H, HayGlass K, Hudson T, Infante-Rivard C, Kozyrskyj A, Mandhane P, Moqbel R, Paré P, Ramsay C, Ratjen F, **Scott JA**, Scott JA, Silverman F, Takaro T, To T
Agency: Institute of Human Development, Child and Youth Health, CIHR & AllerGen NCE
Program: Indoor Air Exposures, Genes, and Gene-Environment Interactions in the Etiology of Asthma and Allergy in Early Childhood - Operating Grant
Title: Canadian Healthy Infant Longitudinal Development (CHILD) Study
Amount: \$12,000,000 (subgrant not deducted)
Status: held, 10/2007–09/2013
- Subgrant a)
PI: **Scott JA**
Co-I(s): —
Title: CHILD Environmental Measures Laboratory
Amount: \$189,560
Status: held, 07/2008–03/2011
9. PI: **Scott JA**
Co-I(s): Nakatsu C, Gold D, Silverman F, Brook JR, Scott JA, Seifert KA, Sears M, Summerbell RC, Dell S, Takaro TK, Untereiner WA
Agency: AllerGen NCE
Program: Programme A: Genes and Environment
Title: Molecular genetic characterization of microbes in outdoor and indoor air and dust
Amount: \$150,000
Status: held, 07/2007–06/2009
10. Co-PIs: Scott JA, Silverman F
Co-I(s): Alexis N, Boulet L-P, Brook J, Denburg J, Dorscheid D, Gold D, Inman M, McNagny K, Palaniyar N, Ritz SA, **Scott JA**, Takaro TK, van Eeden S, Zamel N
Agency: AllerGen NCE
Program: Programme A: Genes and Environment
Title: Environmental effects on allergic airways disease
Amount: \$250,000
Status: held, 07/2007–06/2009
11. PI: Takaro TK
Co-I(s): Allen R, Brauer M, Brooks J, **Scott JA**, Silverman F, Subbarao P
Agency: AllerGen NCE
Program: Programme A: Genes and Environment
Title: Mini-Canadian Healthy Infant Longitudinal Development (CHILD) Study – Assessment of Home Environments
Amount: \$105,000
Status: held, 07/2007–06/2009
12. PI: **Scott JA**
Co-I(s): Sass-Kortsak AM, Krajden S, McGeer A, Holness DL, Lantos G, Krajden M

Award detail

- Agency: Workplace Safety & Insurance Board Research Advisory Council (WSIB-RAC)
Program: Solutions for Workplace Change
Title: Biophysical characteristics of influenza bioaerosols in health care institutions
Amount: \$390,949
Status: held, 10/2007–09/2010
13. PI: Tarlo SM
Co-I(s): **Scott JA**, Scott JA, Romaschin A, Liss G
Agency: Canadian Lung Association/ Ontario Thoracic Society
Program: Operating Grant
Title: Use of a chemiluminescent assay for endotoxin to determine nasal exposure to inhaled occupational endotoxin
Amount: \$56,650
Status: held, 12/2006–11/2008
14. PI: Koutrakis P
Co-I(s): Silverman F, Gold D, Corey P, Brook J, **Scott JA**, Brook R, Kovach J, et al.
Agency: U.S. Environmental Protection Agency, National Center for Environmental Research
Program: STAR Grant (Science to Achieve Results)
Title: Novel exposure scenarios to define the health effects of particle sources
Amount: \$8,000,000 USD (subgrant not deducted)
Status: held, 10/2005 - 09/2010
- Subgrant a)
PIs: Silverman F, Gold D
Co-I(s): Corey P, Brook J, **Scott JA**, Brook R, Kovach J
Agency: U.S. Environmental Protection Agency, National Center for Environmental Research (NCER) (Subgrant)
Program: STAR Grant (Science to Achieve Results)
Title: Assessing the cardiovascular toxicity of inhaled concentrated ambient fine, ultra-fine and coarse particles in humans
Amount: \$515,000 USD
Status: held, 10/2005 - 09/2010
15. PI: Sears M
Co-I(s): Becker A, Befus D, Brauer M, Brook J, Chapman M, Chen E, Cherry N, Cyr M, Dales R, Davis P, Denburg J, Duncan J, Elliott S, Graseman H, Holness DL, Hudson T, Infante-Rivard C, Kozyrskyj A, Moqbel R, Paré P, Ratjen F, Sandford A, **Scott JA**, Scott JA, Silverman F, Subbarao P, Tebbutt S, To T
Agency: AllerGen NCE
Program: Theme 2, Development Grant
Title: Planning a Canadian Longitudinal Birth Cohort Study of Asthma & Allergy in Childhood
Amount: \$120,000
Status: completed, 04/2005–03/2007
16. PI: Silverman F
Co-I(s): van Eeden S, Denburg J, Brook JR, Tarlo S, Corey P, Palaniyar N
Partners: **Scott JA**, Scott JA, Liu L, Evans G, Koutrakis P
Agency: AllerGen NCE
Program: Operating Grant
Title: Allergic asthma: Air pollution and allergen interactions
Amount: \$369,000
Status: completed, 04/2005–03/2007

Award detail

17. PI: **Scott JA**
Co-I(s): Purdham J, Verma DK, Krajden S
Agency: Workplace Safety & Insurance Board Research Advisory Council (WSIB-RAC)
Program: Solutions for Workplace Change
Title: Characterization of microbial contaminants in metalworking fluids
Amount: \$281,142
Status: held, 03/2005–06/2009
18. PI: Holness DL
Co-I(s): Corey P, House R, Liss G, Purdham J, Sass-Kortsak AM, **Scott JA**, Silverman F, Tarlo SM, Verma DK
Partners: Abel S, Eakin J, Faughnan M, Hargreave F, Hosein R, Kerr M, Lou W, Lougheed D, Pratt M, Skotnicki-Grant S, Switzer-McIntyre S
Agency: Workplace Safety & Insurance Board Research Advisory Council (WSIB-RAC)
Program: Centres of Research Expertise
Title: Centre for Research Expertise in Occupational Disease
Amount: \$1,976,000 (subgrants not deducted)
Status: held, 12/2004–11/2009
- Subgrant a)
PI: **Scott JA**
Co-I(s): Ewaze JO, McKeever P
Title: The home as a healthcare workplace
Amount: \$10,000
Status: completed, 05/2005–12/2007
- Subgrant b)
PI: **Scott JA**
Co-I(s): Ewaze JO, Krajden S
Title: Development of an exposure assessment tool for viral bioaerosol
Amount: \$10,000
Status: completed, 05/2005–04/2006
- Subgrant c)
PI: **Scott JA**
Co-I(s): Sass-Kortsak AM
Title: Comparative field assessment of fungal bioaerosol samplers
Amount: \$10,000
Status: completed, 05/2005–04/2006
19. PI: Bartlett FM
Co-I(s): El Damatty A, Galsworthy J, Hong H, Inculet D, Kopp G, Rosowsky D, Savory E, **Scott JA**, Surry D, Vickery P
Agency: Canadian Foundation for Innovation (CFI) & Ontario Innovation Trust (OIT)
Program: Innovation Fund
Title: The three little pigs project: Testing full-scale houses and light-frame buildings to destruction using realistic, extreme environmental loads
Amount: \$7,000,000
Status: completed, 2004–2007
20. PI: **Scott JA**
Agency: University of Toronto
Program: Faculty of Medicine, Dean's Fund New Staff Competition
Title: Ecology of fungi in the built environment

Award detail

Amount: \$10,000
Status: completed, 2003–2005

21. PI: **Scott JA**
Agency: Connaught Fund
Program: Start-up Grant
Title: Mycology of the indoor environment
Amount: \$10,000
Status: completed, 2002–2005
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RESEARCH CONTRIBUTIONS

Refereed articles (published/ accepted/ in press)

1. Konya T, Koster B, Maugham H, Escobar M, Azad MB, Guttman DS, Sears MR, Becker AB, Brook JR, Takaro TK, Kozyrskyj AL, Scott JA. 2014. Associations between bacterial communities of house dust and infant gut. *Environmental Research* (accepted 2014-02-19). doi: 10.1016/j.envres.2014.02.005
2. Konan JLK, Diallo HA, Scott JA, Arocha-Rosete Y. 2014. Identification and molecular characterization of the phytoplasma associated with a lethal yellowing-type disease of coconut in Côte d'Ivoire. *Canadian Journal of Plant Pathology* (accepted 2014-02-24).
3. Behbod B, Urch B, Speck M, Scott JA, Liu L, Poon R, Coull B, Schwartz J, Koutrakis P, Silverman F, Gold DR. 2013. Endotoxin in concentrated coarse and fine ambient particles induces acute systemic inflammation in controlled human exposures. *Occupational and Environmental Medicine* 70: 761–767. doi: 10.1136/oemed-2013-101498.
4. Behbod B, Sordillo JE, Hoffman EB, Datta S, Mulienberg ML, Scott JA, Chew GL, Platts-Mills TAE, Schwartz J, Burge H, Gold DR. 2013. Wheeze in infancy: protection associated with yeasts in house dust contrasts with increased risk associated with yeasts in indoor air and other fungal taxa. *Allergy* 68: 1410–1418. doi: 10.1111/all.12254
5. Kõljalg U, Nilsson H, Abarenkov K, Larsson K-H, Tedersoo L, Bahram M, Bates S, Bengtsson-Palme J, Bruns T, Douglas B, Drenkhan T, Eberhardt U, Esteban MPM, Grebenc T, Grelet G, Griffith G, Hartmann M, Kirk P, Kohout P, Larsson E, Lindahl B, Lucking R, Matheny PB, Miittinen O, Nguyen N, Niskanen T, O'Callaghan T, Oja J, Peay K, Peintner U, Peterson M, Põldmaa K, Saag L, Saar I, Schuessler A, Scott JA, Senés C, Smith M, Stajich J, Suija A, Taylor A, Taylor L, Weiß M. Towards a unified paradigm for sequence-based identification of fungi. *Molecular Ecology* 22: 5271–5277. doi: 10.1111/mec.12481.
6. Sbihi H, Brook JR, Allen RW, Curran JH, Dell S, Mandhane P, Scott JA, Sears MR, Subbarao P, Takaro TK, Turvey SE, Wheeler AJ, Brauer M. 2013. A new exposure metric for traffic-related air pollution? An analysis of determinants of hopanes in settled indoor house dust. *Environmental Health* 12(1): 48. doi:10.1186/1476-069X-12-48.
7. Konan JLK, Allou K, Diallo HA, Yao DS, Koua B, Kouassi N, Benabid R, Michelutti R, Scott JA, Arocha-Rosete Y. 2013. First report on the molecular identification of the phytoplasma associated with a lethal yellowing-type disease of coconut palms in Côte d'Ivoire. *New Disease Reports* 28: 3. doi:10.5197/j.2044-0588.2013.028.003.
8. Woo AC, Brar MS, Chan Y, Lau MCY, Leung FCC, Scott JA, Vrijmoed LLP, Zawar-Reza P, Pointing SB. 2013. Temporal variation in airborne microbial populations and microbially-derived allergens in a tropical urban landscape. *Atmospheric Environment* 74: 291–300. doi: 10.1016/j.atmosenv.2013.03.047.

9. Azad MB, Konya T, Maughan H, Guttman DS, Field CJ, Chari RS, Sears MR, Becker AB, Scott JA, Kozyrskyj AL. 2013. Infant gut microbiota and the hygiene hypothesis of allergic disease: impact of household pets and siblings on microbiota composition and diversity. *Allergy, Asthma & Clinical Immunology* 9: 15. doi: 10.1186/1710-1492-9-15.
10. Azad MB, Konya T, Maughan H, Guttman DS, Field CJ, Chari RS, Sears MR, Becker AB, Scott JA, Kozyrskyj AL. 2013. Gut microbiota in Canadian infants: profiles by mode of delivery and infant diet at 4 months. *Canadian Medical Association Journal (CMAJ)* 185: 385–394. doi: 10.1503/cmaj.121189.
11. Azad MB, Becker AB, Guttman DS, Sears MR, Scott JA, Kozyrskyj AL. 2013. Gut microbiota diversity and atopic disease: does breastfeeding play a role? *Journal of Allergy and Clinical Immunology* 131(1): 247–248. doi: 10.1016/j.jaci.2012.10.044.
12. Bates ST, Ahrendt S, Bik HM, Bruns TD, Caporaso JG, Cole J, Dwan M, Fierer N, Gu D, Houston S, Knight R, Leff J, Lewis C, Maestre JP, McDonald D, Nilsson RH, Porras-Alfaro A, Robert V, Schoch C, Scott JA, Taylor DL, Wegener Parfrey L, Stajich JE. 2013. Meeting Report: Fungal ITS Workshop (October 2012). *Standards in Genomic Sciences* 8(1). doi:10.4056/sigs.3737409.
13. Ohm RA, Feau N, Henrissat B, Schoch CL, Horwitz BA, Barry KW, Condon BJ, Copeland AC, Dhillon B, Glaser F, Hesse CN, Kostli I, LaButti K, Lindquist EA, Lucas S, Salamov AA, Bradshaw RE, Ciuffetti L, Hamelin RC, Kema GHJ, Lawrence C, Scott JA, Spatafora JW, Turgeon BG, de Wit PJGM, Zhong S, Goodwin SB, Grigoriev IV. 2012. Diverse lifestyles and strategies of plant pathogenesis encoded in the genomes of eighteen Dothideomycetes fungi. *PLoS Pathogens* 8(12): e1003037.
14. Scott JA, Konya T, Ewaze JO. 2012. Influence of sample mass on the measurement confidence of microbial cell wall materials in vacuum-collected floor dust. *Healthy Buildings* 4H.1: 1–4.
15. Konya T, Ewaze JO, Urch B, Shu H, Curran J, Speck M, Allen R, Brook J, Diamond M, Evans G, Takaro T, Wheeler A, Scott JA. 2012. Development and validation of the TefTex electrostatic wipe for indoor dust sampling. *Healthy Buildings* 4H.9: 1–5.
16. Savory E, Sabarinathan J, Sauer A, Scott JA. 2012. An optoelectronic sensor for the monitoring of mould growth in concealed spaces. *Building and Environment* 49: 9–16. doi:10.1016/j.buildenv.2011.09.023.
17. Nichol K, McGeer A, Bigelow P, O'Brien-Pallas L, Scott JA, Holness DL. 2012. Behind the mask: Determinants of nurse's adherence to facial protective equipment. *American Journal of Infection Control* 41: 8–13. doi:10.1016/j.ajic.2011.12.018.
18. Drudge C, Krajden S, Summerbell RC, Scott JA. 2011. Detection of antibiotic resistance genes associated with methicillin-resistant *Staphylococcus aureus* (MRSA) and coagulase negative Staphylococci in hospital air filter dust by PCR. *Aerobiologia* 28: 285–289. doi: 10.1007/s10453-011-9219-x.
19. Arocha-Rosete Y, Kent P, Agrawal V, Hunt D, Hamilton A, Bertaccini A, Scott JA, Crosby W, Michelutti R. 2011. Identification of *Graminella nigrifrons* as a potential vector for phytoplasmas affecting *Prunus* and *Pyrus* species in Canada. *Canad J Plant Pathol* 33: 465–474. doi:10.1080/07060661.2011.633561.
20. Taylor P, Arocha-Rosete Y, Scott JA. 2011. First report of 'Candidatus Phytoplasma trifolii' (group 16SrVI) infecting *Sauropus androgynus*. *New Disease Reports* 24: 23. doi:10.5197/j.2044-0588.2011.024.023.
21. Arocha-Rosete Y, Zunnoon-Khan S, Krukovets I, Crosby W, Scott JA, Bertaccini A, Michelutti R. 2011. Identification and molecular characterization of the phytoplasma associated with peach rosette-like disease at the Canadian Clonal Genebank based on 16S rRNA gene analysis. *Canad J Plant Pathol* 33: 127–134. doi: 10.1080/07060661.2011.558854.

22. Summerbell RC, C. Gueidan C, Schroers H-J, de Hoog GS, Starinck M, van Iperen A, Rehner S, Arocha Rosete Y, Guarro J, Scott JA. 2011. *Acremonium* phylogenetic overview and revision of *Gliomastix*, *Trichothecium* and *Sarocladium*. *Studies in Mycology* 68: 139–162. doi:10.3114/sim.2011.68.06
23. Seth R, Ribeiro M, Romaschin A, Scott JA, Manno M, Scott JA, Liss GM, Tarlo SM. 2011. Occupational endotoxin exposure and a novel luminol-enhanced chemiluminescence assay of nasal lavage neutrophil activation. *J Allergy Clin Immunol* 127:272–275. PMID: 21093028.
24. Zunnoon-Khan S, Michelutti R, Arocha-Rosete Y, Scott JA, Crosby W, Bertaccini A. 2010. First report of 'Candidatus Phytoplasma asteris'-related strain associated with peach rosette in Canada. *Plant Disease* 94: 916–917.
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Refereed articles (submitted)

1. Behbod B, Urch B, Speck M, Scott JA, Liu L, Poon R, Coull B, Schwartz J, Silverman F, Gold DR. Endotoxin and concentrated coarse and fine ambient air pollution particles induce acute systemic inflammation in controlled human exposures. Submitted to *Inhalation Toxicology*.
2. Behbod B, Sordillo JE, Hoffman EB, Datta S, Muilenberg ML, Scott JA, Chew GL, Gold DR. The relative contributions of outdoor & indoor fungal exposures in infancy to and wheeze in the first year of life. Submitted to *Allergy*.
3. Behbod B, Sordillo JE, Hoffman EB, Datta S, Webb TE, Kwan DL, Kamel JA, Muilenberg ML, Scott JA, Chew GL, Platts-Mills TAE, Schwartz J, Burge H, Gold DR. Asthma & allergy development: contrasting influences of yeasts & other fungal exposures. Submitted to *Journal of Allergy and Clinical Immunology*.

Chapters in collected works (published/ accepted/ in press)

1. Scott JA, Green BJ, Summerbell RC. 2011. Traditional and modern methods for detecting fungi in indoor environments. pp 353–373. In: *Fundamentals of mold growth in indoor environments and strategies for healthy living*. Samson RA, Adan O (eds) Wageningen, The Netherlands: Wageningen Academic Publishers.
2. Summerbell RC, Green BJ, Corr D, Scott JA. 2011. Molecular methods for bioaerosol characterization. In: *Microorganisms in home and indoor work environments diversity, health impacts, investigation and control*, 2nd edition. Flannigan B; Samson RA; Miller JD (eds) Boca Raton, Florida: CRC Press.
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Books

1. Scott JA. 2005. Clean-up procedures for mold in houses, 2nd edition. Ottawa: Canada Mortgage and Housing Corporation Press, 90 pp. ISBN: 0-660-19227-6.

Consensus documents

1. Adams RC, Brandt MT, Carraway CJ, Chiarello L, Easton DN, Flesher JK, Fuller TP, Fung F, Gaydos NA, Lewis RD, O’Grady A, Sassone DM, Scott JA, Springston JP, Streifel AJ, Strode RD, Toy VM, Weekes DM, Williams PB, Zhuang Z. 2006. The role of the industrial hygienist in a pandemic. AIHA Guideline 7. Fairfax, Virginia: AIHA Press.

Government reports

1. Summerbell RC, Scott JA. 2013. Testing methods for *Legionella* bacteria. Public Works & Government Services Canada: Ottawa. 28 pp.
2. Summerbell RC, Scott JA. 2007. Histoplasmosis, Blastomycosis and Cryptococcosis in Canada. Health Canada & Canada Mortgage and Housing Corporation, Government of Canada: Ottawa. 56 pp.
3. Summerbell RC, Scott JA. 2007. National Centres for Secure Biological Resources (NCSBR). Chemical, Biological, Radiological, and Nuclear (CBRNE) Research and Technology Initiative (CRTI), Government of Canada: Ottawa. 109 pp.

Non-refereed articles and reports

1. Scott JA. Development of a mould biosensor. 2007. Canadian Property Management - BC/Alberta Edition, November 2007.
2. Saldanha R, Valant J, Scott JA. 2006. University of Toronto Biosafety Manual, 2nd edition. Office of Environmental Health and Safety, University of Toronto.
3. Scott JA. October 11, 2005. Ontario isn’t ready for next outbreak. Letter to the Editor, National Post.
4. Scott JA. October 10, 2005. Public health system hobbled. Letter to the Editor, Toronto Star.
5. Scott JA. September 1996. Indoor fungi and human health. Federation of Metropolitan Toronto Tenants Association Newsletter.
6. Kane J, Scott JA. 1995. Proficiency testing in medical mycology: A mission impossible? *Germs & Ideas* 1:87–88.

Electronic media

1. Scott JA. 2006. *Scott Laboratory Group Website* [<http://individual.utoronto.ca/jscott>]

2. Scott JA. 2005. *CHL5918H Biological Hazards in the Workplace and Community- Course Website* [<http://www.botany.utoronto.ca/courses/bot404/index.html>]
3. Scott JA, Clark DW. 2005. *BOT404H The Biology of Moulds - Course Website* [<http://individual.utoronto.ca/jscott/courses/biohazards/biohazards.html>]

Invited lectures and seminars

1. Scott JA. An evolving architecture: the past, present and future of indoor microbiology. Keynote address, IAQA 15 – Annual Meeting and Indoor Air Expo, Las Vegas, NV, March 6, 2012.
2. Scott JA. Sharing the Angel's Share: How fungal extremophiles profit from alcoholic vapours lost during whiskey aging. Dept of Microbiology, University of Helsinki, January 19, 2012.
3. Scott JA. Environmental exposure assessment: current and emerging techniques. Occupational Hygiene Association of Ontario Spring Symposium PDC, Toronto, ON, March 22, 2011.
4. Scott JA. *Aspergillus* and *Penicillium* and a few things that look like them. Microscopy PDC. American Academy of Allergy, Asthma and Immunology Annual Conference, San Francisco, CA, March 18–23, 2011.
5. Scott JA, Flannigan B. Being at home with fungi: progress in understanding the impact of fungi in indoor environments on health. Royal Netherlands Academy of Sciences, Special Colloquium on Fungi and Health, Amsterdam, The Netherlands, November 13–14, 2008.
6. Scott JA. Career Transitioning. AllerGen NCE, Trainee Symposium, Victoria, BC, April 30–May 2, 2008.
7. Scott JA. Mushroom poisoning in Southwestern Ontario. Mycological Society of Toronto, Toronto, ON, February 18, 2008.
8. Scott JA. Biology of *Legionella*. American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), Hamilton Chapter, Hamilton, Ontario, May 1, 2007
9. Scott JA. Fungi and sick building syndrome. American Academy of Allergy Asthma and Immunology (AAAAI), 2007 Annual Meeting, San Diego, February 24, 2007 (invited seminar co-leader).
10. Scott JA. Developing a solid-state mould biosensor. Ontario Home Builders' Association Conference, Toronto, ON, January 11, 2007.
11. Scott JA, Untereiner WA, Ewaze JO, Wong B. Lessons learned from fungi associated with alcoholic beverage production. Symposium on Missing Taxa, International Mycological Congress 8, Cairns, Australia, August 25, 2006.
12. Scott JA. Technical considerations for viable and spore trap sampling. Workshop on indoor fungi, International Mycological Congress 8, Cairns, Australia, August 20, 2006.
13. Scott JA. Bioaerosols and pandemic influenza. Workplace Health & Safety Association Conference, Toronto, ON, June 5, 2006.
14. Scott JA. Round table on career opportunities in academic and industry research. AllerGen NCE, 1st Annual Trainee Symposium: Advancing Professional Excellence, Kingsbridge, ON, June 1, 2006.
15. Scott JA. Overview of the Centre for Research Expertise in Occupational Disease (CREOD). Industrial Accident Prevention Association (IAPA) Conference, Toronto, ON, May 2, 2006.

16. Scott JA. Current advancements in medical mycology. MacDonald College, McGill University, Montreal, PQ, March 14, 2006.
17. Scott JA. Mycoparasitism: When good mushrooms turn bad. Keynote Address, Mycological Society of Toronto, Annual Cain Foray, Muskoka, ON, September 17, 2005.
18. Scott JA. Indoor air quality. North American Mycological Association 2005 Conference. University of Wisconsin – LaCrosse, LaCrosse, WI, July 2005.
19. Scott JA. Mould in houses. Mitigating housing losses in extreme natural events – 2005. Workshop by University of Western Ontario/ Institute for Catastrophic Loss Reduction, Toronto, ON, February 2005.
20. Scott JA. Biological hazards in the workplace. Worker's Health & Safety Centre Conference, Toronto, ON, September 2005.
21. Scott JA. Mould contamination in the workplace. The Canadian Institute, Mould Conference, Toronto, ON, April 2005.
22. Scott JA. New mycological perspectives on dermatomycoses. Ottawa Regional Dermatology Conference, Ottawa, ON, April 2005.
23. Scott JA. An overview of the dermatophytes. Half Day Back, Dermatology Residency Program, University of Ottawa, Ottawa, ON, April 2005.
24. Scott JA. Research update on occupational microbiological hazards. Workplace Safety and Insurance Board – Research Advisory Council Research Conference, Toronto, ON, November 2004.
25. Scott JA. Mold biology. Harvard School of Public Health Symposium on the Impact of Mold on Human Health. Boston, MA, June 7–8, 2004.
26. Scott JA. Developments in the taxonomy of important indoor fungi. Expert Symposium on Indoor Mycology, Joint meeting of the Mycological Society of America and the British Mycological Society, Asilomar, CA, July 31, 2003.
27. Scott JA. Laboratory analysis of indoor fungi: new methods, old problems. Environmental Mold Symposium: State of the Science, State of the Art. American Industrial Hygiene Association Conference and Exposition (AIHce), Dallas, TX, May 10, 2003.
28. Scott JA. Fungi associated with moisture penetration in buildings. Advanced Fluid Mechanics Research Group, Boundary Layer Wind Tunnel, Univ of Western Ontario, London, ON, April 2003.
29. Scott JA. Moulds in the built environment current and emerging trends in hazard evaluation. Occupational Hygiene Association of Ontario, Toronto, ON, March 18, 2003.
30. Scott JA. Breaking the bad news: risk communication and indoor mould. Property Management Exposition and Trade Show (PM Expo), Toronto, ON, December 2002.
31. Scott JA. Health hazards of moulds – Prevention, Home Assessment and Remediation. Environmental Health Reviews – Mould in First Nation Housing, Health Canada, Toronto, ON, December 4, 2002.
32. Scott JA. Mould: Understanding the culprit. Symposium on Indoor Mould Litigation, The Canadian Institute, Toronto ON, November 2002.

33. Scott JA. Moulds: The newest and most common IAQ threat. BuildEx, Calgary, AL, October 8, 2002.
34. Scott JA. Indoor fungal contamination. Indoor Air Quality Forum, Property Management Exposition and Trade Show (PM Expo), Toronto, ON, November 29, 2001.
35. Scott JA. Fungal contamination in Buildings – Current and emerging trends. Occupational Hygiene Association of Ontario, Fall Meeting, Toronto, ON, October 2001.
36. Scott JA. Risk communication strategies for microbiological contamination. Ontario Association of School Business Officials, Occupational Health and Safety Professional Workshop, Whitby, ON, January 2000.
37. Scott JA. Molecular genetic characterization of variability in *Penicillium chrysogenum* from indoor environments. International Union of Microbiological Societies, Symposium on fungi and health, Sydney, Australia, August 1999.
38. Scott JA. Occupational exposure to fungal aerosol. Occupational Medicine Rounds, St. Michaels Hospital/ University of Toronto Department of Medicine, Toronto, ON, March 1999.
39. Scott JA. Dealing with mould contamination: Assessing health risks and determining remedial action. Occupational Hygiene Association of Ontario, Fall Meeting, Toronto, ON, October 1998.
40. Scott JA. Moulds: a biological perspective. Public Forum on the State of our Schools' Indoor Environments. Sponsored by Pollution Probe. Metro Hall, Toronto. October 1998.
41. Scott JA. A primer on fungal contamination in residential housing. Canada Mortgage and Housing, Field Advisors Workshop. Halifax, Nova Scotia, August 1998.
42. Scott JA. Moulds and indoor air quality. Ryerson Polytechnic University, Toronto, ON, February 1998, 1999, 2000.
43. Scott JA. Indoor microbial contamination. Property Management Exposition and Trade Show (PM Expo), Toronto, ON, December 1997.
44. Scott JA. Indoor fungi and health. Mycological Society of Toronto, June 1997.
45. Scott JA. Biological aspects of the indoor environment. Canada Mortgage and Housing Short Course for Residential Building Inspectors. February 1997, Toronto ON.
46. Scott JA. Microbial contamination in the building environment: origins, solutions, current issues. Property Management Exposition and Trade Show (PM Expo), December 1996.
47. Scott JA. Fungi, indoor air quality and human health. Department of Environmental Biology, University of Guelph, Guelph ON, March 1996.
48. Scott JA. Introduction to the fungal agents of human mycoses. Dermatology Residency Program, University of Toronto, Department of Medicine, Division of Dermatology, May 1994, 1995.

Contributed papers and posters

1. Takaro T, Shu H, Allen R, Brook JR, McLean K, Scott JA, Brauer M, Wheeler AJ, Lefebvre D, Sathyanarayana S, Sears M. Early life exposure to phthalates and immune response at one year of age in the Canadian Healthy Infant Longitudinal Development (CHILD) birth cohort. ISEE/ISES/ISIAQ, Basel, Switzerland, August 19–23, 2013.

2. Azad MB, Konya T, Maughan H, Guttman DS, Sears MR, Becker AB, Scott JA, Kozyrskyj AL and the CHILD Study Investigators. The gut microbiome and the hygiene hypothesis of allergic disease: impact of household pets and siblings on the infant gut microbiome. Thomas L. Petty Aspen Lung Conference, 56th Annual Meeting, June 5–8, 2013.
3. Azad MB, Konya T, Koster B, Maughan H, Field CJ, Chari RS, Sears M, Becker AB, Guttman D, Scott JA, Kozyrskyj AJ. The microflora hypothesis of allergic disease: infant gut microbiota profiles according to early-life environmental exposures. American Thoracic Society, Philadelphia PA, May 20–24, 2013.
4. Behbod B, Urch B, Speck M, Scott JA, Liu L, Poon R, Coull B, Schwartz J, Koutrakis P, Silverman F, Gold DR. Endotoxin and concentrated coarse and fine ambient particles induce acute systemic inflammation in controlled human exposures. American Thoracic Society, Philadelphia PA, May 20–24, 2013.
5. Summerbell RC, White K, Saleh M, Scott JA. Significance of a *Legionella* testing outbreak. AIHce, Montreal, QC, May 18–23, 2013.
6. White K, Saleh M, Summerbell RC, Scott JA. Strategic communication plans for the occupational hygienist. AIHce, Montreal, QC, May 18–23, 2013.
7. Pakpour S, Scott JA, Turvey SE, Klironomos J. Environmental determinants of fungal community structure in indoor dust. Canadian Society for Ecology and Evolution, Kelowna, BC, May 12–15, 2013.
8. Azad MB, Konya T, Koster B, Maughan H, Field CJ, Chari RS, Sears M, Becker AB, Guttman D, Scott JA, Kozyrskyj AJ. Infant gut microbiota and the hygiene hypothesis of allergic disease. Canadian Society of Allergy and Clinical Immunology, Toronto, ON, October 3–6, 2012.
9. Summerbell RC, Scott JA. Unlocking the *Acremonium* powerhouse with molecular phylogeny. World Congress of Microbes-2012, Guangzhou, China, July 20–August 1, 2012.
10. Takaro TK, Stanojevic S, McLean K, Shu H, Brook J, Allen R, Scott JA, Subbarao PJ. Environmental exposures and exhaled nitric oxide at three months of age. American Thoracic Society, San Francisco, CA, May 18–23, 2012.
11. Azad MB, Hill AS, Konya T, Koster B, Maughan H, Guttman D, Sears MR, Becker AB, Turvey S, Field C, Scott JA, Kozyrskyj AL and the CHILD Study Investigators. Breastfeeding, intestinal IgA and *Clostridium difficile* colonization: implications for atopic disease? American Thoracic Society, San Francisco, CA, May 18–23, 2012.
12. Konya T, Koster B, Maughan H, Escobar M, Azad MB, Guttman D, Becker AB, Kozyrskyj AJ, Scott JA. House dust and gut bacteria. International Human Microbiome Congress, Paris, France, March 19–21, 2012. [subject of an article in New Scientist Magazine: Hamelzou J. 2012 A dusty home may influence a babies gut. New Scientist Magazine 25 April 2012, 2862.]
13. Azad MB, Konya T, Koster B, Maughan H, Guttman D, Sears M, Becker AB, Scott JA, Kozyrskyj AJ. Breastfeeding protects against *Clostridium difficile* colonization by promoting lower relative abundance of Lachnospiraceae in gut microbiota. International Human Microbiome Congress, Paris, France, March 19–21, 2012.
14. Azad MB, Konya T, Koster B, Maughan H, Guttman D, Sears M, Becker AB, Scott JA, Kozyrskyj AJ. Exclusive breastfeeding protects against *Clostridium difficile* colonization by promoting lower relative abundance of *Lachnospiraceae* in gut microbiota: implications for atopic disease? [poster presentation] AllerGen NCE Innovation from Cell to Society⁷, Toronto, ON, February 6–8, 2012. [best poster, AllerGen Programme A].
15. Konya T, Koster B, Maughan H, Escobar M, Azad MB, Guttman D, Becker AB, Kozyrskyj AJ, Scott JA. Is house dust a reservoir for gut bacteria? [poster presentation] AllerGen NCE Innovation from Cell to Society⁷, Toronto, ON, February 6–8, 2012.

16. Scott JA. Defining the sampling curves of microbial cell wall materials in vacuum-collected floor dust. Pan-American Aerobiology Association Symposium 2011, San Diego, CA, August 7–8, 2011.
17. Scott JA. Biological contaminants in house dust. *In* Exposed! Novel and exciting tools for environmental exposure assessment. AllerGen NCE Innovation from Cell to Society⁶, Vancouver, BC, February 6–8, 2011.
18. Konya T, Koster B, Azad MB, Becker AB, Mandhane PJ, Befus DA, Kozyrskyj AL, Scott JA. Impact of Environmental Exposures on the Bacterial Community in the Human Infant Gut: a pilot project. [poster presentation] AllerGen NCE Innovation from Cell to Society⁶, Vancouver, BC, February 6–8, 2011.
19. Kozyrskyj AL, Scott JA, Azad MB, Guttman DS, Mandhane PJ, Becker AB, HayGlass KT and the SyMBIOTA team. Synergy in Microbiota Research (SyMBIOTA). [poster presentation] International Human Microbiome Congress, Vancouver, BC, March 8–11, 2011.
20. Behbod B, Sordillo JE, Hoffman EB, Datta S, Mulienberg ML, Scott JA, Chew GL, Gold DR. The relative contributions of infant outdoor & indoor fungi to fungi wheeze in the first year of life. Abstract #362 [poster presentation], American Academy of Allergy, Asthma & Immunology Annual Conference, San Francisco, CA, March 18–24, 2011.
21. Urch B, Speck M, Scott JA, Ewaze J, Brook JR, Gold DR, Behbod B, Silverman F. Associations between Inhaled Endotoxin/beta-(1,3)-D-glucan levels and airway/systemic neutrophils after controlled exposures to coarse and fine particles: effect of atopy on responses. American Association for Aerosol Research, 2010 Specialty Conference: Air Pollution and Health: Bridging the Gap from Sources to Health Outcomes, 2010, San Diego, CA, March 22–26, 2010.
22. Chaudhuri SR, Diamond M, Allen R, Brauer M, Brook JR, Curran J, Evans G, Jiang Z, Konya T, Mykhaylova N, Scott JA, Shu H, Speck M, Takaro T, Turvey S, Urch B, Wheeler A. How can we measure and predict indoor phthalate concentrations? measurements and multimedia modeling: CMP1-miniCHILD study and Toronto pilot homes. AllerGen NCE Innovation from Cell to Society⁵, Quebec City, QC, February 7–9, 2010.
23. Konya T, Ewaze J, Urch B, Shu H, Curran J, Speck M, Allen R, Brauer M, Brook JR, Diamond M, Evans G, Takaro T, Wheeler A, Scott JA. Validation of a new wipe method for the collection of indoor dust samples for the characterization of endotoxin and β -(1,3)-D-glucan. AllerGen NCE Innovation from Cell to Society⁵, Quebec City, QC, February 7–9, 2010.
24. Speck M, Ryan Allen R, Brauer M, Brook J, Chaudhuri S, Curran J, Diamond M, Evans G, Jiang Z, Konya T, Mykhaylova N, Scott JA, Shu H, Takaro T, Turvey S, Urch B, Wheeler A. Improved tools for assessing long-term indoor and outdoor exposures in epidemiologic studies of allergy and asthma – CMP-1. AllerGen NCE Innovation from Cell to Society⁵, Quebec City, QC, February 7–9, 2010.
25. Urch B, Speck M, Scott JA, Ewaze J, Brook JR, Gold D, Behbod B, Silverman F. Associations between inhaled endotoxin/ β -(1,3)-d-glucan levels and airway/systemic neutrophils after controlled exposures to coarse and fine particles: effect of atopy on responses. AllerGen NCE Innovation from Cell to Society⁵, Quebec City, QC, February 7–9, 2010.
26. Drudge C, Al-Naama M, Konya T, Silverman F, Takaro TK, Scott JA. Characterization of polymicrobial communities in indoor and outdoor air and dust using molecular genetic techniques. [Poster presentation] AllerGen NCE Innovation from Cell to Society⁵, Ottawa, ON, February 15–18, 2009.
27. Saldanha R, Scott JA. Sampling duration and the recovery of culturable fungi in viable air sampling using the Andersen N6 and RCS Samplers. American Industrial Hygiene Conference and Exposition (AIHce), Toronto, ON, June 1–4, 2009.

28. Scott JA, Ewaze JO, Green BJ, Summerbell RC. Hyphal fragments on surfaces and in air, associated with low-level fugitive emissions of ethanol. *Aerobiology* 2008, Amherst, MA, June 16–22, 2008.
29. Summerbell RC, Scott JA. Blastomycosis, histoplasmosis and sylvan cryptococcosis: in Canada. *Aerobiology* 2008, Amherst, MA, June 16–22, 2008.
30. Saleh M, Lafayette S, Manno M, Summerbell RD, Sass-Kortsak A, Scott JA. 2008. Air volume and culturable air samplers [poster presentation]. *Aerobiology* 2008, Amherst, MA, June 16–22, 2008.
31. Seth R, Ribeiro M, Romaschin AD, Scott JA, Manno M, Scott JA, Liss GM, Tarlo SM. 2008. Use of a chemiluminescent assay to determine exposure to inhaled endotoxin. American Thoracic Society (ATS), Toronto, ON, May 16–21, 2008.
32. Scott JA. 2008. Alcoholism in fungi. Great Lakes-St. Lawrence Spring Workshop in Mycology, Toronto, ON, April 26–27, 2008.
33. Summerbell RC, Scott JA. Blastomycosis, histoplasmosis and tropical cryptococcosis: management around the Canadian home. Great Lakes-St. Lawrence Spring Workshop in Mycology, Toronto, ON, April 26–27, 2008.
34. Rodriguez P, Ronson K, Scott JA, Summerbell RC. 2008. *Penicillium bialowiezense* and *P. brevicompactum*: to each a niche of their own? [poster presentation]. Great Lakes-St. Lawrence Spring Workshop in Mycology, Toronto, ON, April 26–27, 2008.
35. Sauer A, Scott JA, Savory E, Sabarinathan J. 2008. Mould Spy– The design and evaluation of an optoelectronic mould sensor [poster presentation]. Proceedings of the Canadian Society for Mechanical Engineers Forum 2008, Ottawa, ON, June 5–8, 2008.
36. Saleh M, Lafayette S, Manno M, Summerbell RD, Sass-Kortsak A, Scott JA. 2008. Influence of air volume on biological recovery of culturable air samplers [poster presentation]. Health & Safety Canada 2008, Toronto, ON, April 21–23, 2008.
37. Ghanavatian H, McKeever P, Scott JA. Air quality in long-term care institutions and home care environments [poster presentation]. Health & Safety Canada 2008, Toronto, ON, April 21–23 2008.
38. Bernard K, Lévesque A, Seifert KA, Babcock C, Hayes J, Scott JA, Summerbell, RC, Hollis EJ. Creating National Centres for Secure Biological Resources for Canada. Proceedings of the 2007 CRTI Summer Symposium, June 11–15, 2007 Gatineau, Quebec.
39. Bartlett FM, Galsworthy JK, Henderson D, Hong HP, Iizumi E, Inculet DR, Kopp GA, Morrison MJ, Savory E, Sabarinathan J, Sauer A, Scott JA, St. Pierre LM, Surry D. The three little pigs project: A new test facility for full-scale small buildings. Twelfth International Conference on Wind Engineering (ICWE12), Cairns, Australia, March 2007.
40. Saldanha R, Manno M, Saleh M, Ewaze J, Scott JA. Comparative assessment of bioaerosol sampler performance [poster presentation]. Industrial Accident Prevention Association (IAPA) Conference, Toronto, ON, May 1–3, 2006.
41. Urch B, Brook J, Wasserstein D, Scott JA, Brook R, Rajagopalan S, Rivilis A, Corey P, Silverman F. Relative contribution of PM_{2.5} chemical constituents to acute arterial vasoconstriction [poster presentation]. American Association for Aerosol Research and Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health, Pittsburgh, PA, April 4, 2003.

42. Scott JA, Meyer W. Combined genotyping methods for indoor moulds [poster presentation]. 21st Fungal Genetics Conference, Pacific Grove, CA, March 2001.
43. Scott JA. Molecular taxonomy of some smooth-stiped taxa in *Penicillium* subgen. *Penicillium*. Great Lakes-St. Lawrence Mycology Workshop, Toronto, ON, February 2001.
44. Collett CW, Nathanson T, K Baer, Waddington J, Scott JA. The impact of HVAC system cleaning on levels of surface dust and viable fungi in ducts. Abstract # 195. Indoor Air '99, Edinburgh, Scotland, August 1999.
45. Scott JA. Toxic mould, public outrage. 19th Great Lakes-St. Lawrence Mycology Workshop, St. Catharines, ON, March 1998.
46. Scott JA, Rosenthal S, Summerbell RC, Kane J. First isolation of *Trichophyton fischeri* from the United States. 97th General Meeting of the American Society for Microbiology, Miami Beach, FL, May 18–22, 1997
47. Scott JA. Detection of fungal contamination in buildings using molecular techniques. 15th Great Lakes-St. Lawrence Mycology Workshop. Mississauga, ON, March 1994.
48. Kane J, Krajden S, Scott JA, Summerbell RC. Aspects of the Kane/Fischer system for the identification of dermatophytic fungi. Conjoint Meeting on Infectious Diseases. Winnipeg, MB, November 1995.
49. Scott JA. Fungal species assemblages in house dust and indoor air. 14th Great Lakes-St. Lawrence Mycology Workshop. Ottawa, ON, March 1994.
50. Scott JA, Malloch D, Gloer JB. A temperature-regulated sporangial dimorphism in *Pilobolus umbonatus* [poster presentation]. International Mycological Congress 5, Vancouver, BC, August 1994.
51. Whyte AC, Gloer JB, Scott JA, Malloch D. New bioactive metabolites from the coprophilous fungus *Cercophora* sp. International Research Congress on Natural Products. Halifax, NS, August 1994.
52. Krug JC, Scott JA. Ecology and taxonomy of the genus *Bombardioidea* (*Lasiosphaeriaceae*) [poster presentation]. Annual Conference of the Mycological Society of America. Atlanta, GA, June 1993.
53. Scott JA, Kane J, Summerbell RC, Diena BB. A systematic approach to the variation in the *Trichophyton mentagrophytes* species complex. Conjoint Meeting on Infectious Diseases. Toronto, ON, December 1992. (Best student oral presentation award from Janssen Pharmaceutica).
54. Scott JA. Benomyl resistance of *Trichoderma* spp. on synthetic shiitake mushroom logs. 11th Great Lakes-St. Lawrence Mycology Workshop. Quebec City, PQ, March 1991.
55. Kane J, Summerbell RC, Scott JA. Dermatophyte proteinases and keratinases: Activity in diagnostic media and skin. CACMID. Halifax, NS, November 1990.
56. Scott JA, Perumalla CJ, Patrick ZA. Suppression of growth and sporulation of *Trichoderma* on synthetic shiitake logs by bacteria. Joint meeting of the American Phytopathological Society and the Canadian Phytopathological Society. Grand Rapids, MI, August 1990.

Contributed symposia, colloquia and workshops

1. Convener, Great-Lakes-St. Lawrence Spring Workshops in Mycology: Toronto, ON (April 26–27, 2008; May 2–3, 2009); Chaffrey's Locks, ON (April 24–25, 2010).
2. Co-Convener, "Missing taxa", International Mycological Congress 8, Cairns, Australia, August 25, 2006.

3. Convener, Expert symposium on indoor fungi. Joint meeting of the Mycological Society of America and the British Mycological Society, Asilomar, CA, July 31, 2003.

Community outreach and support activities

- 2006– Principal Scientific Advisor, Mycological Society of Toronto, Toronto, ON
- 2004–2009 Provincial Reference Laboratory for Clinical Mycology Proficiency Testing, Ontario Medical Association Quality Management Program – Laboratory Services
- 2003– Consultant Medical Mycologist, Hospital for Sick Children/ Ontario Poison Centre, Toronto, ON

Press and editorial recognition

1. Ryzik M. Kentuckians take distilleries to court over black gunk. *New York Times* (August 29, 2012).
2. Greenwood V. Do gut microbes travel from person to person? *Discover* (May 2012).
3. Hamelzou J. A dusty home may influence a babies gut. *New Scientist Magazine* issue 2862 (25 April 2012).
4. Rogers A. The angels' share [feature article]. *Wired* (June 2011) [article won the 2011 Kavli Science Journalism Award in the magazine category].
5. Dixon B. 2009. The mystery of the warehouse stains [feature article]. *Microbe* 4: 104–105.
6. Roberts S. For the love of mould [feature article]. *The Globe and Mail, Life Section* (September 10, 2007).

TEACHING

Undergraduate courses

1. *BIO100Y Introductory Biology*
Assistant Laboratory Coordinator/ Laboratory Demonstrator/Teaching Assistant – 1993–1994
2. *BOT301H Introduction to the Fungi*
Teaching Assistant – 1995–1999; Guest Lecturer – 2007 (2 hrs), 2008 (2 hrs)
3. *BOT404H The Biology of Moulds*
Course Director and Sole Lecturer – 2005 (56 hrs); Teaching Assistant – 1997, 1999
4. *BOT405H Medical and Veterinary Mycology*
Guest Lecturer – 2006 (5 hrs)
5. *BOT405H Parasitic and Mutualistic Fungi*
Teaching Assistant – 1996, 1998, 2000
6. *HMB436H Human Fungal Interactions*
Guest Lecturer – 2008 (2 hrs), 2009 (2 hrs), 2010 (2 hrs); Course Director – 2011 (20 hrs); Guest Lecturer – 2012 (3 hrs)
7. *MBY444H Environmental Microbiology*
Guest Lecturer – 2003 (2 hrs)

Graduate courses

1. *CHL5004H Introduction to Public Health Sciences*
Lecturer on outdoor air pollution 2006 (1 hr), 2007 (1 hr), 2009 (0.5 hr); Tutorial Leader 2004 (6 hrs)
2. *CHL5902H Advanced Occupational Hygiene*
Lecturer – module on bioaerosols, assessment of hazards relating to microbes, sampling methods and interpretation, risk communication, remediation 2000 (2 hrs), 2001 (2 hrs), 2002 (2 hrs), 2003 (2 hrs), 2004 (2 hrs)
3. *CHL5904H Occupational Health and Safety — Legal and Social Concepts*
Lecturer – module on biosafety and hospital infection control 2005 (3 hrs)
4. *CHL5910H Introductory Occupational Hygiene*
Lecturer – modules on particulate contaminants, bioaerosols, sampling strategies and applications in non-industrial environments 2002 (6 hrs), 2003 (6 hrs), 2004 (6 hrs)
5. *CHL5911H Occupational and Environmental Hygiene II*
Lecturer – module on investigation and remediation of mould contamination 2005 (6 hrs); Tutor – supervision of field exercises 2010 (12 hrs)
6. *CHL5914H Public Health Sanitation*
Course Director – 2011 (18 hrs), 2013 (18 hrs)
7. *CHL5915H Control of Occupational Hazards*
Lecturer – module on biological safety cabinets and laboratory ventilation, 2010 (1 hr), 2011 (1 hr)
8. *CHL5918H Biological Hazards in the Workplace and Community*
Course Director – 2005 (36 hrs), 2006 (36 hrs), 2007 (36 hrs), 2008 (24 hrs), 2009 (27 hrs), 2010 (27 hrs); 2011 (36 hrs)
9. *MSC4000H/ IES 4001Y Seminars on Environment and Health*
Lecturer –2003 (2 hrs), 2008 (2 hrs)
10. *THE500H Teaching in Higher Education*
Discussant – New Faculty Round Table 2003 (2 hrs), 2004 (2 hrs)

Graduate directed reading courses

1. Cox, Ian
CHL7001H Directed Reading – Paper decomposition, Supervisor, 2004 (~10 hrs)
2. Konya, Tedd
CHL7001H Directed Reading – Public Health Microbiology, Supervisor, 2009 (~10 hrs)
3. Lovacev, Fanche
CHL7001H Directed Reading – Infection Control, Supervisor, 2006 (~10 hrs)
4. Saldanha, Rachel
CHL7001H Directed Reading – Biosafety, Supervisor, 2006 (~10 hrs)

Seminars and invited teaching lectures (elsewhere)

1. *MME9642 Building Systems Engineering, Western University*
February 14, 2012; February 12, 2013, February 4, 2014: Invited Guest Lecturer, Undergraduate-level, 2 contact hrs, ~20 students

2. *OHS810 Occupational Health & Safety Seminars, Ryerson University*
March 7, 2007: Invited Guest Lecturer, Undergraduate-level, 3 contact hrs, ~25 students
3. *ENH809 Seminars in Public Health & Safety, Ryerson University*
March 21, 2007: Invited Guest Lecturer, Undergraduate-level, 2 contact hrs, ~40 students

Medical continuing education

1. *Medical Grand Rounds, University Health Network/ Toronto General Hospital*
November 29, 2006: Near-fatal ingestion of *Amanita bisporigera* in Toronto (1 hr)
2. *Public Health Continuing Education Seminars, Department of Public Health Sciences*
January 29 2003: Microbes in buildings: Origins, solutions and current issues (2 hrs)
3. *Half-Day Back (Community Medicine Residency Program), Dept of Public Health Sciences*
November 21, 2003: Indoor air quality (2 hrs)
4. *Half-Day Back (Occupational Medicine Residency Program), St. Michael's Hospital*
September 29, 2004: Deep tissue infections and occupational fungal exposure (2 hrs)
5. *Rounds (Clinical Pharmacology and Toxicology), Hospital for Sick Children*
November 2003: A fatal toxicosis following ingestion of *Lepiota josserandi* in Toronto (1 hr)
6. *Rounds (Community Medicine), Department of Public Health Sciences*
January 27, 2006: Unbidden houseguests (1 hr)
7. *Rounds (Infectious Disease Medicine), Sunnybrook Health Sciences Centre*
October 18, 2006: Indoor moulds – What do we know about sources & hazards (1 hr)
8. *Rounds (Occupational Medicine), St. Michael's Hospital*
October 27, 2004: Occupational dermatophytosis (1 hr)
December 10, 2003: Fungal contamination and indoor air quality (1 hr)

Courses and seminars offered elsewhere

1. Interpretation of mycological sampling data, Professional Development Course (PDC), Health & Safety Canada 2008, IAPA Conference and Trade Show Toronto ON, Co-instructor (with BJ Green & RC Summerbell), April 23, 2008
2. Molecular genetic methods for evaluating indoor fungal contaminants. Professional Development Course (PDC), "Evaluation and Control of Indoor Air Contaminants", American Industrial Hygiene Association (AIHA), 2007 Annual Meeting, Philadelphia PA, Co-instructor, May 2007.
3. Mycetismus: Case recognition and management, Ontario Poison Centre, Hospital for Sick Children, Toronto ON, 2 sessions, Instructor, May 2004
4. Advanced Fungal Identification, Three-day short course, McCrone Research Institute, Chicago IL, Course Instructor, September 2000, 2001

ACADEMIC SUPERVISION

Undergraduate supervision

1. *Agache, Vlad*
Summer student research assistant, Supervisor, 2010

2. *Chiyu, Ian He*
Summer student research assistant, Supervisor, 2010
3. *Erhardt, Catherine*
BOT460Y Independent Research Project – Bioaerosols associated with vermicomposting, Supervisor, 2005–2006
4. *Desiana, Yunni*
BIO400Y Biology and Biotechnology Internship (U of T Mississauga), Internship Supervisor, 2008–2009
5. *Dods, Sonja*
Summer student research assistant, Supervisor, 2013
6. *LaFayette, Shantelle*
Summer student research assistant, Supervisor, 2005; *BIO400Y Biology and Biotechnology Internship* (U of T Mississauga), Internship Supervisor, 2006–2007
7. *Leung, Victoria*
Summer student research assistant, Supervisor, 2009
8. *Nowrouzi-Kia, Benham*
NEW491H New College Independent Study Course – Mushroom poisoning in Ontario, Supervisor, 2007
9. *Rodriguez, Patricia*
BIO400Y Biology and Biotechnology Internship (U of T Mississauga), Internship Supervisor, 2007–2008
10. *Saleh, Michael*
Summer student research assistant, Supervisor, 2005; *BOT460Y Independent Research Project – Keratinophilic fungi associated with egg casings of oviparous elasmobranchs in high-tide marine wrack*, Supervisor, 2005–2006
11. *Sauer, Anya*
ECE416 Independent Research Project – Development of a solid-state indoor mould biosensor, University of Western Ontario (UWO), Dept of Electrical & Computer Engineering, Co-supervisor, 2005–2006
12. *Sexton, Danielle*
Summer student research assistant, Supervisor, 2008, 2009
13. *White-Argumedo, Benjamin*
Summer student research assistant, Supervisor, 2010, 2011
14. *Wolicki, Melanie*
BOT461H Independent Research Project – Fusarium spp. from clinical and environmental sources, Supervisor, 2004–2005
15. *Zimmerman, Melanie*
Summer student research assistant, Supervisor, 2008

Graduate supervision

1. *Behbod, Behrooz*
PhD, Harvard School of Public Health, Supervisory Committee Advisor, 2009–2011

2. *Drudge, Christopher*
MHSc O&EH Research, Supervisor, 2007–2009
3. *Ghanavatian, Negin*
MHSc O&EH Research, Supervisor, 2005–2007
4. *Konya, Tedd*
MPH, Supervisor, 2009–2012
5. *Isber, Karen*
MHSc O&EH, Practicum Supervisor, 2009
6. *Pakpour, Sepideh*
PhD, Dept of Integrative Biology, UBC, Advisory Committee Member, 2012–present
7. *Li, Ping*
MASc, Mechanical Engineering, University of Western Ontario, Advisory Committee Member, 2009–2013
8. *Nichol, Kathryn*
PhD Student, Institute for Medical Sciences, Advisory Committee Member, 2008–2010
9. *Saldanha, Rachel*
MHSc O&EH Research, Supervisor, 2004–2006
10. *Saleh, Michael*
MHSc O&EH Research, Supervisor, 2006–2008
11. *Sauer, Anya*
MASc, Electrical Engineering, University of Western Ontario, Advisory Committee Member, 2006–2008

Examination committees

1. Johnson, Lynn, MSc
Affiliation: Institute for Medical Sciences, University of Toronto
Thesis title: Mortality of nosocomial pneumonia in adults hospitalized in canadian acute care facilities
Defense date: May 27, 2011
2. Lafayette, Shantelle, MSc
Affiliation: Department of Molecular Genetics, University of Toronto
Thesis title: PKC Signaling regulates drug resistance of *Candida albicans* and *Saccharomyces cerevisiae* via divergent circuitry comprised of the MAPK Cascade, Calcineurin and Hsp90
Defense date: August 17, 2010
3. Nichol, Kathryn, PhD
Institute for Medical Sciences, University of Toronto
Thesis title: Behind the mask: Determinants of nurses' adherence to recommend use of facial protective equipment to prevent occupational transmission of communicable respiratory illness in acute care hospitals
Defense date: June 24, 2010
4. Pitkäranta, Miia, PhD
Faculty of Biological and Environmental Sciences, University of Helsinki
Thesis title: Molecular profiling of indoor microbial communities in moisture damaged and non-damaged buildings

Role: Opponent
Defense date: January 20, 2012

5. Saunders, Megan, PhD
Affiliation: Department of Ecology and Evolutionary Biology, University of Toronto
Thesis title: Biotic filters in fungal endophyte community assembly
Defense date: November 6, 2009
6. Sauer, Anya, MSc
Affiliation: University of Western Ontario, Department of Electrical Engineering
Thesis title: The design and evaluation of a photoelectronic mould sensor
Defense date: December 15, 2008

Post-doctoral academic supervision

1. *Al-Naama, Menhel, PhD*
Supervisor, 2006–2010
2. *Arocha-Rosete, Yaima, PhD*
Supervisor, 2009–present
3. *Ewaze, Juliet, PhD*
Supervisor, 2002–2011
4. *Green, Brett, PhD*
Supervisor, 2007–2008
5. *Kalliny, Medhat, MD, PhD*
Supervisor, 2007–2009
6. *Motavaze, Kamyar, PhD*
Supervisor, 2013–present
7. *Koster, Brenda, PhD*
Supervisor, 2009–2013

Supervision of other highly qualified people (HQP)

1. *Arnold, Ian, MPH*
Research Assistant, Supervisor, 2009–2010
2. *Du, Susan, MSc*
Laboratory Technician 1, Supervisor, 2009–2012
3. *Konya, Tedd, MAT, MPH*
Laboratory Technician 3, Supervisor, 2008–present
4. *Wong, Bess, MSc*
Laboratory Technician 4, Supervisor, 2003–2011