
BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Urch, Bruce R.	Laboratory Technologist

EDUCATION

2004 (Sept)-	University of Toronto, Toronto, Doctor of Philosophy candidate (Medical Science)
1990	University of Toronto, Toronto, Diploma in Industrial Health
1986	University of Toronto, Toronto, Master of Science (Exercise Science)
1978	University of Western Ontario, London, Bachelor of Science (Physiology)

APPOINTMENTS:

2001-	Affiliate member, American Thoracic Society.
2000 (Jan 01)	Lecturer (status only), Dep't of Public Health Sciences, Faculty of Medicine, University of Toronto, Toronto.
1997-	Laboratory Technologist 4, Gage Occupational & Environmental Health Unit, University of Toronto, Toronto.
1985-97	Charge Technologist, The Gage Research Institute, Toronto Western Hospital, Toronto.
1982-	Member, Canadian Association of Cardio-Pulmonary Technologists. C.A.C.P.T. (P)
1978-97	Pulmonary Function Technician, The Gage Research Institute, Toronto Western Hospital, Toronto.

SCHOLARLY WORK:

Manuscripts in preparation. Total: 1

1. **Urch, B.**, Silverman, F., Brook, J.R., Corey, P., Lukic, K., Dupuis, A., Rajagopalan, S., and Brook, R.D. "Exposure to concentrated ambient fine particles and ozone causes a rapid elevation in diastolic blood pressure in healthy adults."

Refereed Publications. Total: 20

1. **Urch, B.**, Brook, J.R., Wasserstein, D., Brook, R.D., Rajagopalan, S., Corey, P. and Silverman, F. "Relative contributions of PM_{2.5} chemical constituents to acute arterial vasoconstriction in humans." *Inhalation Toxicology*. 16: 345-352, 2004.
2. Brook, R., Brook, J., **Urch, B.**, Vincent, R., Rajagopalan, S., Silverman, F. "Inhalation of fine particulate air pollution and ozone causes acute arterial vasoconstriction in healthy adults." *Circulation*. 105: pp. 1534-1536, 2002. Selected for Press Release by American Heart Association.
3. Zimmerman, B., **Urch, B.**, Mercado, B. "Food allergy: Frequency of adrenaline administration." *Canadian J. Allergy Clin. Immunol.* 6: 159-161, 2001.
4. Zimmerman, B., **Urch, B.** "Peanut allergy: Children who lose the positive skin test response." *J. Allergy Clin. Immunol.* 107(3): pp. 558-559, 2001.
5. Alexis, N., **Urch, B.**, Tarlo, S., Corey, P., Pengelly, D., O'Byrne, P., Silverman, F., "Cyclooxygenase-1 (COX-1) metabolites play a different role in ozone-induced pulmonary function decline in asthmatics compared to normals." *Inhalation Toxicology*, Vol. 12, No. 12, 1205-1224, 2000.

6. Zimmerman, B., Silverman, F.S., Tarlo, S.M., Chapman, K., Kubay, J.M., **Urch, B.** "Induced sputum: Comparison of post-infectious cough with allergic asthma in children." *J. Allergy Clin. Immunol.* 105(3): pp. 495-499, 2000. Selected as Editor's Choice.
7. Petrovic S, **Urch B**, Brook J, Datema J, Purdham J, Liu L, Lukic Z, Zimmerman B, Tofler G, Downar E, Corey P, Tarlo S, Broder I, Dales R., Silverman F. "Cardiorespiratory effects of concentrated ambient PM_{2.5}: A pilot study using controlled human exposures." *Inhalation Toxicology* 12 (Supplement 1): pp. 173-188, 2000.
8. Liu, L., Leech, J.A., **Urch, R.B.**, Poon, R., Zimmerman, B., Kubay, J.M., Silverman, F.S. "A comparison of biomarkers of ozone exposure in human plasma, nasal lavage and sputum." *Inhalation Toxicology* 11: pp. 657-674, 1999.

Reports. Total: 33

1. Dupuis, A., Corey, P., **Urch, B.** & Silverman, F. "Detailed summary and analyses of air pollution exposure studies and associated health effects." Contract No.: 4500073521. March 2004. Health Canada.
2. **Urch, B.** & Silverman, F. "Pilot study using end-tidal capnography as a health effect outcome in controlled human exposures studies of concentrated ambient particles." Contract No.: 4500075293. March 2004. Health Canada.
3. **Urch, B.** & Silverman, F. "Exposure to concentrated ambient particles from Toronto air and its health effects on children/adolescents." Contract No.: 4500070440. March 2004. Health Canada.
4. **Urch, B.** & Silverman, F. "Adverse health effects of concentrated ambient particles on children/adolescents." Contract No.: 4500064945. March 2004. Health Canada.
5. **Urch, B.** & Silverman, F. "Adverse health effects of concentrated ambient air particles and/or ozone on non-asthmatics." Contract No.: 4500064114. March 2004. Natural Resources Canada, Program of Energy Research and Development.
6. **Urch, B.** & Silverman, F. "Adverse health effects of concentrated ambient particles on children/adolescents." Contract No.: 4500060475. October 2003. Health Canada.
7. **Urch, B.** & Silverman, F. "Adverse health effects of concentrated ambient air particles and/or ozone on non-asthmatics." Contract No.: 603-90094. March 2003. Natural Resources Canada, Program of Energy Research and Development.
8. **Urch, B.** & Silverman, F. "Adverse health effects of ozone or concentrated ambient particles on children/adolescents." Contract No.: 4500046266. March 2003. Health Canada.

Published Abstracts. Total: 32

1. Tabassum, S., **Urch, R. B.**, Speck, M., Santos, M., Corey, P. N. & Silverman, F. S. "Symptomatic responses in studies of controlled human exposures to concentrated ambient fine particles (CAP) and/or ozone (O₃)." Accepted, January, 2004. *Am. J. of Resp. and Crit. Care Med.*, Vol. 169(7), *Abstracts issue (A282)*, April 2004.
2. **Urch, B.**, Wasserstein, D.N., Lukic, K.Z., Brook, R.D., Corey, P.N. & Silverman, F.S. "Blood pressure (BP) and heart rate (HR) changes during controlled human exposures to concentrated ambient fine particles (CAP) and ozone." Accepted, January, 2004. *Am. J. of Resp. and Crit. Care Med.*, Vol. 169(7), *Abstracts issue (A883)*, April 2004.