

Principal Investigator (<i>Last, first, middle</i>):	LeBlanc, Vicki R
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BIOGRAPHICAL SKETCH

NAME LeBlanc, Vicki R	POSITION TITLE <u>Educational Researcher</u> , Ontario Air Ambulance <u>Assistant Professor</u> , Department of Medicine, University of Toronto
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EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (s)	YEAR(s)	FIELD OF STUDY
Centre for Medical Simulation, Boston, USA	Fellowship	2004	Medical Simulation
McMaster University, Hamilton, Canada	Ph.D	2001	Psychology
McMaster University, Hamilton, Canada	M.Sc	1996	Psychology
Universite de Moncton, Moncton, Canada	B.Ps	1994	Psychology

A. Positions and Honors (in chronological order):

Positions

- Member, Health Sciences II Research Ethics Board, August 2005-current.
- Member, Wilson Centre Fellowship Program Committee, Faculty of Medicine, University of Toronto, April 2004-current
- Member, Society for Medical Simulation, 2004-current.
- Founding member: Alliance of Simulation Specialists and Educators of Toronto, 2004-current
- Member, Department of Medicine Clinician-Educator Training Program Committee, University of Toronto, October 2003-current
- Reviewer, Annual Meeting of the Association of American Medical Colleges, 2002-2004
- Reviewer, Medical Education Journal, 2003-2004
- Reviewer and Discussant, Annual Meeting of the American Education Research Association, 2002

Honors

- “Outstanding Paper Award”, Research in Medical Education Committee of the Association of American Medical Colleges, 2003
- “New Investigator Award”, Research in Medical Education Committee of the Association of American Medical Colleges, 2002
- Ontario Graduate Scholarship: Science and Technology 2-year award, 1999

- Ontario Graduate Scholarship Awards; 1996 and 1998
- Natural Science and Engineering Council of Canada, Post-Graduate 2-Year Scholarship; 1994

B. Selected Peer-Reviewed Publications (in chronological order):

Journal Articles

- MacDonald, RD., **LeBlanc, V.**, McArthur, B., Dubrowski A. (in press) Resuscitation by paramedic personnel in chemical-biological protective suits. Prehospital Emergency Care.
- Nendaz M, Charlin B, **LeBlanc V**, Bordage G. (2005). Le raisonnement clinique: données issues de la recherche et implications pour l'enseignement. Pédagogie Médicale, 6, 235-254.
- **LeBlanc VR**, MacDonald RD, McArthur B, King, K, Lepine, T. (2005) Paramedic performance in calculating drug dosages following stressful scenarios in a human patient simulator. Prehospital Emergency Care, 9(4), 439-444.
- **LeBlanc VR**, Dore K, Norman GR, Books LR. (2004). Limiting the playing field: Does restricting the number of possible diagnoses reduce errors due to diagnosis-specific feature identification. Medical Education, 38, 17-24.
- Chorneyko, K., Giesler, ., Sabatino, D., Ross, C., Lobo, F., Shuhaibon, H., Chen, V., Elavathil, L., Denadi, F., Ansari, S., Salama, S., **LeBlanc, V.**, Norman, G., Sheridan, B., Riddell, P. (2002). Telepathology for routine light microscopic and frozen section diagnosis. American Journal of Clinical Pathology, 117(5), 783-790.
- Udupa, J.K., **LeBlanc, V.R.**, Schmidt, H., Imielinska, C., Saha, P.K., Grevera, G. J., Zhuge, Y., Currie, L.M., Molholt, P. and Jin, Y. (2002). A methodology for evaluating image segmentation algorithms. Proceedings of SPIE on Medical Imaging, 4684:266-277.
- **LeBlanc, V.R.**, Norman, G.R., & Brooks, L. R. (2001). Effect of a diagnostic suggestion on diagnostic accuracy and clinical feature identification. Academic Medicine, 76(10, Suppl), S18-S20.
- Brooks, L.R., **LeBlanc, V. R.**, & Norman, G.R. (2000). On the difficulty in noticing obvious features in patient appearance. Psychological Science, 11(2), 112-117.

Peer-Reviewed Abstracts

- **LeBlanc, V.R.**, McArthur, B., King, K., MacDonald, R., & Tom Lepine. (2004). Stressful clinical scenarios impair paramedics' ability to perform drug calculations. Prehospital Emergency Care, 8(1), 83.
- **LeBlanc, VR.**, Darling, S., King, K (2004) Simulation-based assessments of paramedic performance. Air Medical Journal, 23(5), 35
- Pusic, M. V., **LeBlanc, V. R.**, Patel. V. L., (2001). Design of computer-aided instruction for radiology interpretation: The role of cognitive task analysis. Journal of the American Medical Informatics Association, Suppl., 831.

C. Research Support:

NAME OF INDIVIDUAL PROJECTS		
<u>ONGOING/COMPLETED</u>		
<p>Principal Investigator: LeBlanc VR Source: Canadian Patient Safety Institute Title of Project: Effectiveness of Simulation-based Evaluations of Paramedic Performance</p> <p>The major goal of this project is to investigate whether high-fidelity simulation-based examinations of flight paramedics can accurately predict performance in the field.</p>	<p>Dates of Project: March 06-Sept 07 Annual Direct Costs: 63,000</p>	<p>Percent Effort: 10%</p>
<p>Principal Investigator: Joo HS Source: Physicians Services Incorporated Foundation (Medical Education Research Competition) Title of Project: High Fidelity Simulation Versus Traditional Didactic Seminars for Teaching Trainees Separations from Cardiopulmonary Bypass</p> <p>The major goal of this project is to determine whether cognitive and/or behavioral skills can be taught using a patient simulator.</p>	<p>Dates of Project: Sept 05-Sept 06 Annual Direct Costs: 55,000</p>	<p>Percent Effort: 5%</p>
<p>Principal Investigator: Welke TM Source: Physicians Services Incorporated Foundation (Medical Education Research Competition) Title of Project: Individual vs. Standardized Multimedia Instruction After Patient Crisis Simulation</p> <p>The major goal of this project is to compare standardized multimedia video instruction versus personal oral debriefing as forms of instruction given to junior anesthesia trainees after managing a simulated resuscitation.</p>	<p>Dates of Project: Jan 06 – Jan 07 Annual Direct Costs: 14,000</p>	<p>Percent Effort: 5%</p>
<p>Principal Investigator: Dubrowski A Source: University of Toronto (Dean’s Excellence Fund for Innovation in Medical Education) Title of Project: Self-Assessment of Technical Surgical Abilities by Medical Students and the Impact on Self-Directed Training</p> <p>The major goal of this project is to evaluate the effectiveness of computer-based video instruction outside of a structured practice setting.</p>	<p>Dates of Project: Oct 05 – Oct 06 Annual Direct Costs: 15,000</p>	<p>Percent Effort: 5%</p>

<p>Principal Investigator: LeBlanc VR Source: Royal College of Physicians and Surgeons of Canada (Medical Education Research Grant) Title of Project: Effects of Evaluation Stress on Surgical Skills</p> <p>The major goal of this project is to investigate the effects of evaluation-induced stress on surgical residents' technical skills and to explore the effects of some possible mediators on the relationship between stress and surgical skills.</p>	<p>Dates of Project: Dec 04-Dec 05 Annual Direct Costs: 25,000</p>	<p>Percent Effort: 10% completed</p>
<p>Principal Investigator: LeBlanc VR Source: University of Toronto, Dean's Fund for New Staff Title of Project: Feature Identification Errors: Investigating the Mechanisms Underlying Selective Hypothesis Testing</p> <p>The major goal of this project was to investigate whether omissions in the reporting of clinical features result from clinicians failing to consider these features, or whether omissions result from clinicians actively discounting these features upon considering them.</p>	<p>Dates of Project: Mar 03-Mar 08 Annual Direct Costs: 10,000</p>	<p>Percent Effort: 5%</p>
<p>Principal Investigator: Ginsburg S Source: Physician Services Incorporated Foundation (Medical Education Research and Development) Title of Project: Identifying Barriers to Implementing Clinical Practice Guidelines in Academic Emergency Departments</p> <p>The major goal of this project is to identify major barriers in implementing clinical practice guidelines in order to design an Ontario-wide survey for emergency physicians.</p>	<p>Dates of Project: Mar 05 – Mar 06 Annual Direct Costs: 11,000</p>	<p>Percent Effort: 2%</p>
<p>Principal Investigator: LeBlanc, V Source: National Science and Engineering Research Council of Canada Title of Project: Contextual Effects on Visual Feature Identification</p> <p>The major goal of this project is to investigate the source of errors during clinical reasoning.</p>	<p>Dates of Project: Apr 03-Mar 05 Annual Direct Costs: 10,000</p>	<p>Percent Effort: 10% completed</p>