



University  
of Victoria

Division of Medical Sciences  
PO Box 1700 STN CSC  
Victoria BC V8W 2Y2  
Canada  
Tel (250) 472-5500, Fax (250) 472-5505  
Web <http://imp.uvic.ca/>

Hello,

We are emailing you to tell you about **two** exciting opportunities that are part of the research being conducted by Dr. Brian Christie and his colleagues at the University of Victoria. These researchers are seeking to better understand how individuals recover from mild Traumatic Brain Injury (mTBI) or concussion as well as how to potentially improve performance in sport through visual perception training.

#### Study Descriptions:

##### 1. The Neurotracker Study

Although mTBI is attracting more media attention than ever before, the current approach to its diagnosis and treatment in Canada lacks consensus. Clinically, some of the greatest challenges are to (1) agree on what constitutes an mTBI (2) how to best assess the individual, and (3) to determine the timing of safe return to academic and physical activities post- mTBI. This is particularly pertinent for children, since there are significant risks for re-injury in this population. Currently there is scant evidence on mTBI outcomes in youth.

We are interested in learning more about how children, adolescents and adults recover after a concussion. The purpose of this research project is to examine how effective using MOT and visual spatial tools can be in helping parents, teachers, trainers and coaches, and health professionals determine when an individual has recovered from concussion and can return to their usual activities. To achieve this, testing will be conducted with individuals before and/or after a concussion. These concussion assessments are about 45 minutes long.

##### 2. Visual Perception Training in Athletes:

We are conducting a study specific to individuals 11-40 years of age. This project is an opportunity to complete forty training sessions on the CogniSens NeuroTracker system. This computer program is used by elite athletes in the NHL, NFL, Premier League Soccer, Rugby and by Olympic Athletes around the world. Dr. Christie is using the NeuroTracker to examine how useful multiple object tracking and related visual spatial tasks are in athletic training.

As a part of this study, you will train on the NeuroTracker program in a number of scenarios: sitting, standing, balancing and while doing sport-specific activity. You will do ten training sessions at each of these four stages of data collection. Each training session takes approximately 25 minutes to complete.

Participation in either project is completely voluntary. If you/your child change(s) your mind about participating you/your child may withdraw at any time without consequence.

Appointment scheduling for both studies are flexible and can be booked through our online system:

<https://instant-scheduling.com/sch.php?kn=1905924>

If you are interested in learning more about and/or participating in these two research opportunities, or know of someone who might be, please do not hesitate to contact us for more information. Please help us spread the word about these exciting studies!

Dr. Brian Christie, Erika Shaw, MSc., and Francesca Bell-Peters

Office phone: (250)472-5997

Lab cell: (250)634-4471

Fax: 250-472-5505

Email: [brainlab@uvic.ca](mailto:brainlab@uvic.ca)



## **VOLUNTEERS NEEDED FOR CONCUSSION RESEARCH**

- Are you an athlete or someone at high risk of concussion?
- Or have you had a concussion?
- Are you interested in participating in baseline and/or post-injury concussion testing?

### **The Vancouver Island Concussion Project – *NeuroTracker Study***

Dr. Brian Christie and his colleagues at the University of Victoria are conducting a study to determine how effective multiple object tracking and related neurocognitive tools are for assessing concussions and return to play/academia status. We are seeking individuals of all ages.

Participants will complete baseline and/or post-injury concussion assessments.

**For details, please contact the Project Coordinator  
Francesca Bell-Peters**

**Email: [brainlab@uvic.ca](mailto:brainlab@uvic.ca) / Office: (250) 472-5997**



## **We NEED VOLUNTEERS for a research study on performance training in young athletes**

**Study title: Visual Perceptual Training in Young Athletes – A Pilot Study**

Dr. Brian Christie and his colleagues are researchers from the University of Victoria who are involved in a project called “Visual Perceptual Training in Athletes”. These researchers are interested in learning more about whether performance training can improve athletic performance in young athletes.

- **Are you an athlete? Do you play a sport?**
- **Are you or your child between the ages of 11 to 40?**
- **Would you like to improve your attention and awareness in sport decision making under pressure?**

**If you are interested in learning more about this study,  
please contact the Project Coordinator, Erika Shaw:  
[brainlab@uvic.ca](mailto:brainlab@uvic.ca) (250) 472-5997**