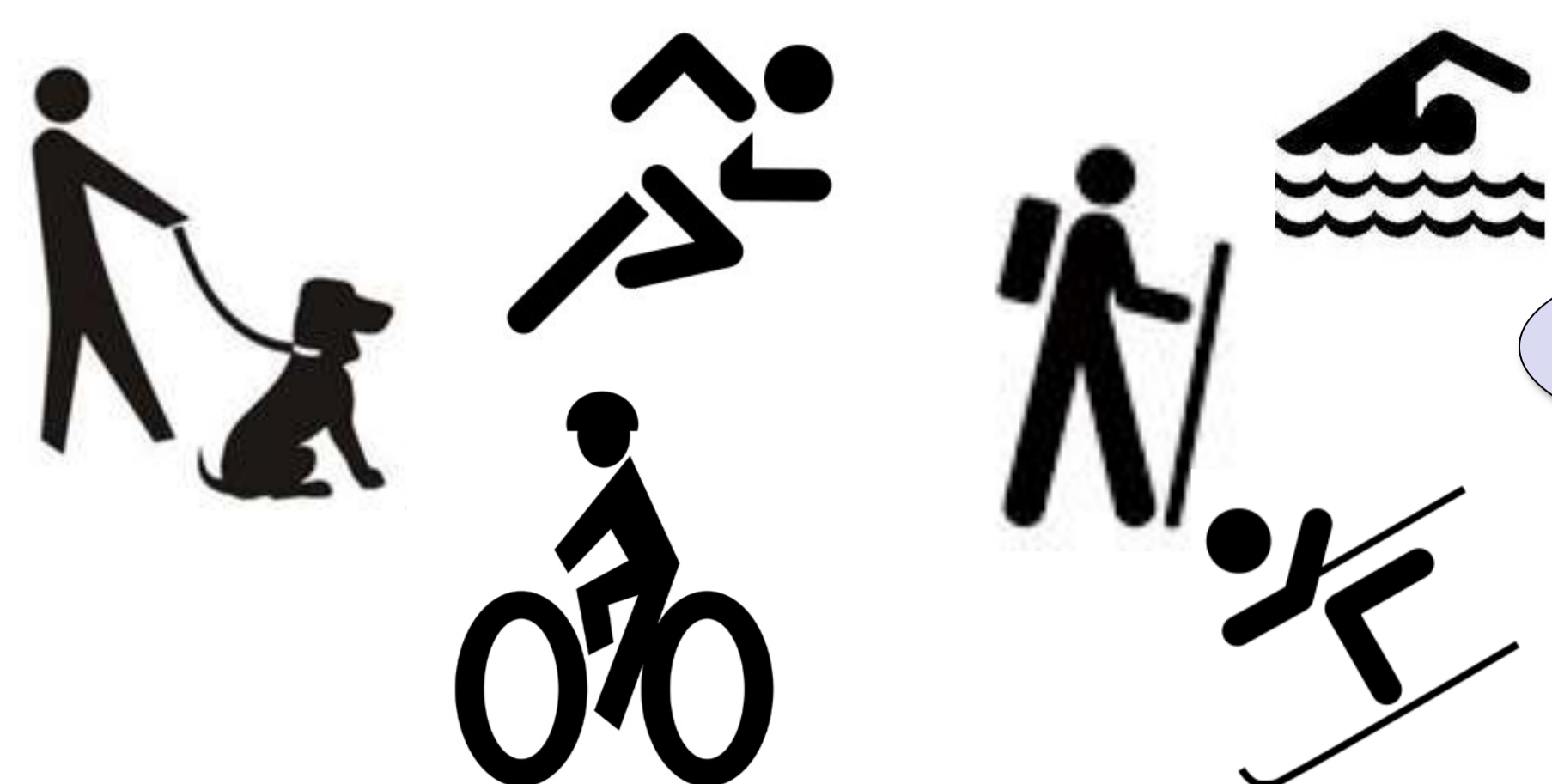


Sport Injury Prevention  
Research Centre  
UNIVERSITY OF CALGARY

# The Doyle-Baker Lab

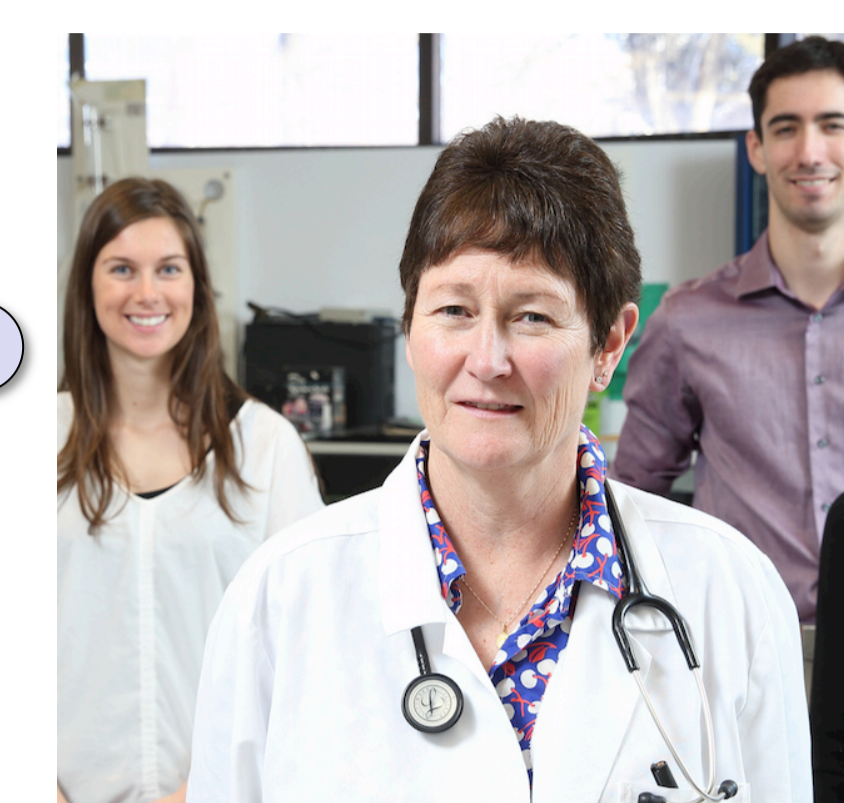
## Driving Health Outcomes

**Kinesiology**  
Leading the way to healthy active living



Our research goal is driven by exercise participation, **leading** towards a healthier life.

Here are examples of **what we do.**



### ABOUT THE PI.

Dr. Doyle-Baker is a Doctor of Public Health, and a Clinical Exercise Physiologist (CSEP-CEP) with appointments in Kinesiology and Environmental Design.

### WHAT'S UNIQUE ABOUT OUR LAB?

- Our lab framework is around the compression of morbidity hypothesis <http://dx.doi.org/10.4061/2011/261702>
- Our key messaging is associated with health promotion and illness prevention.
- We research from the perspective that a body that exercises regularly is generally a healthy body regardless of genetics, disease or fat and lean mass.
- Our research projects all have exercise participation as the driver and obesity or sedentary behaviour as the passengers.
- We are an interdisciplinary lab.

### INTERVENTION STUDIES

Study Titles

- B**iochemical **E**valuation of **H**ealth **I**ntervention **P**rogram in Overweight/Obese Children (BE HIP)
- R**ecreational **E**xercise, **C**aloric **E**xpenditure, **S**itting and **S**leep Study in **F**irst **Y**ear **S**tudents (RECESS FYI)
- The influence of injury history on physical activity participation, fitness levels, and body composition in adolescent youth.

These studies employ prospective designs and involve pre-post testing to investigate an intervention that includes some form of exercise.

Tools: Surveys questionnaires, Physical Activity (sport) Participation and Injury Screening, Accelerometers and Program Development.



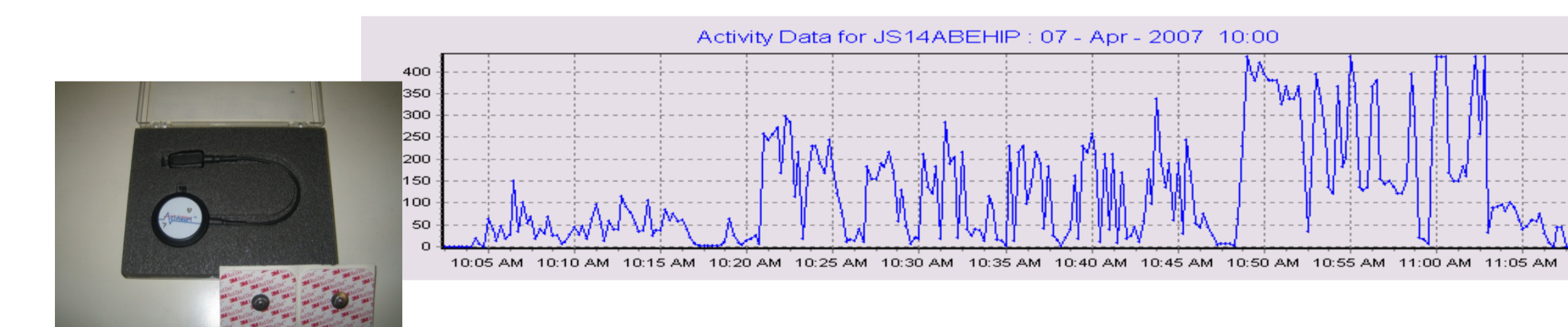
### BIOMETRICS & BIOMARKERS

Study Titles

- The Role of Increased **A**diposity on the **I**mmune Response to Vaccination in **M**ales (AIM)
- F**itness **O**besity **R**esearch and **G**ut **E**nzyme Study (FORAGE)

These studies examine hormones levels and r chemical messengers, how they change as body fat increases and how this effects the way the immune system works.

Tools: Stool, Blood, and Body Composition (DXA) analysis



### CO-INVESTIGATORS & FUNDING

- Dr. Raylene Reimer's lab.
- Dr. Carolyn Emery -Sport Injury Prevention Research Centre (SIPRC)
- Dr. Bev Sandalack -The Urban Lab, EVDS
- Dr. Gavin McCormack -Population Health and Inequities Research Centre, (PHIRC), Medicine.
- U. of C. -Active Living



Markin USRP



Undergraduate Student  
Research Program  
in Health & Wellness

Government  
of Alberta



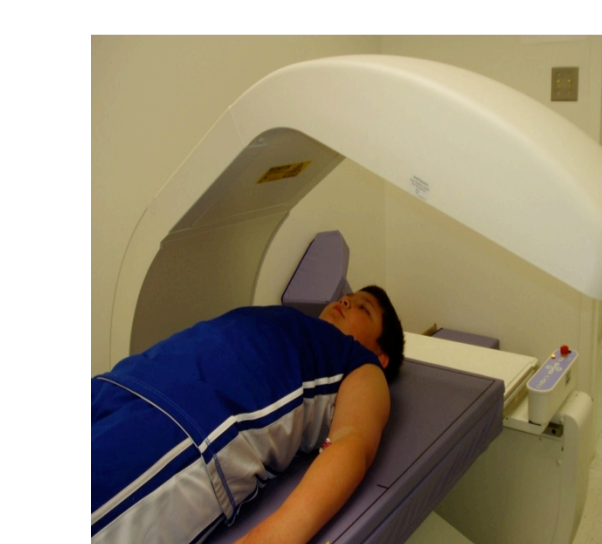
### CONTACT US

### RESEARCH WITH SURVEYS & INTERVIEWS

Study Titles

- P**hysician **A**ttitudes **T**owards **E**xercise (PATE)
- Exploring Physician's Perspectives of Exercise Specialists in Primary Care Networks

Surveys and interviews are used to determine the knowledge, perceptions and attitudes (KAP) of Canadian Physician's or GPs towards exercise and physical activity promotion. As well as to identify barriers that physicians may face towards the promotion of physical activity within their practice.



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