

# STEVEN LARMER

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## Professional Profile

A driven individual with a strong desire to use passion for and knowledge of the Canadian dairy industry and bovine genetics and genomics to help dairy producers with progressive solutions for everyday problems.

### ORGANIZATIONAL

- Juggled numerous extracurricular responsibilities while maintaining a high academic standard throughout both Bachelor's and Master's programs
- Effectively managed numerous large genotype and pedigree files effectively and efficiently

### TECHNICAL

- Working knowledge of Microsoft Word, Microsoft Excel, Microsoft Power Point, Dairy Comp 305, statistical software R and SAS, basic shell programming in Linux environment.
- Thorough understanding of livestock genetics and genomics gained through courses, conferences and research.

### COMMUNICATION

- Showed strong communication skill as member of presenting teams for both North American Dairy Challenge team and Canadian Agri-Marketing Association presenting in front of large groups and esteemed judges
- Lectured to classes and labs of various sizes (10-300) on a broad range of animal science content

## Education

### PhD ANIMAL SCIENCE

2012-2016

*with a focus on bovine breeding and genetics*

Guelph, Ontario

University of Guelph

Exploring new methodologies using full sequence genomics for dairy and beef cattle breeding to improve accuracy of selection and allow for selection of difficult to measure traits of economic significance.

### MSc ANIMAL SCIENCE

2010-2012

*with a focus on bovine breeding and genetics*

Guelph, Ontario

University of Guelph

Using linkage information to determine the efficacy of creating a multi-breed reference population in order to implement accurate genomic selection in dairy breeds with a small genomic reference populations.

### B.SC. HONOURS IN ANIMAL BIOLOGY

2006-2010

*with distinction*

Guelph, Ontario

University of Guelph

## Work Experience

### GENETICIST AND BUSINESS ANALYST

2018-Present

Semex Alliance

Guelph, Ontario

- Statistical analysis for research and business purposes, focused on Immune Genomics
- Genetic presentations for training of sales staff, and key client education
- Development of software tools for implementation of global business needs

### GLOBAL DAIRY SOLUTIONS COORDINATOR

2016-2018

Semex Alliance

Guelph, Ontario

- Technical lead on Immunity+ genetics and key developer of mating software
- Collaborate with Genetics, product development, fertility and global education teams

**ASSITANT FARM MANAGER**

Larco Farms/Vintage Land and Cattle Ltd.

1995-2016  
Blackstock, Ontario

- Effectively managed and ran an originally 35, now 70 cow dairy operation
- Collaborated on farm decisions including breeding and nutritional strategies

**Teaching Experience**

**SESSIONAL INSTRUCTOR**

University of Guelph

Fall 2013  
Guelph, Ontario

- Course: MBG 2400 “Introduction to Plant and Animal Genetics”
- Developed and taught lectures on basic genetic principles of animal breeding to 300 students
- Met regularly with students for one on one help sessions

**TEACHING ASSISTANT**

University of Guelph

Fall 2012  
Guelph, Ontario

- 5 Courses Including: “Animal Breeding Methods”, “Applied Animal Genetics”
- Taught labs and gave guest lectures on dairy genetics and genomics among other topics

**Leadership Experience**

**ACTIVITIES AND COMMUNICATIONS COORDINATOR**

University of Guelph Graduate Student’s Association

2012-Present

- Organize, advertise, and execute student events for graduate student population
- Plan and host trivia night for 50-100 students each week

**CHAIRPERSON**

University of Guelph Graduate Student’s Association (GSA)

2010-2012

- Oversee meetings, work to maintain order and ensure meeting timelines are met
- Ensure all GSA by-laws are complied with

**VICE PRESIDENT EXTERNAL**

Student Federation of the Ontario Agricultural College (SFOAC)

2009-2010

- Responsible for planning and organizing events such as the end of the year pig roast for 400 OAC students
- Coordinated with other members to advertise all SFOAC events
- Liaised with professionals from industry for support for OAC students and events

**AWARDS**

- 2013 Frank Wallace Cockshutt Scholarship for interest and aptitude in dairy cattle breeding
- 2012 Brian W Kennedy Memorial Scholarship for academic standing, contribution to department and university
- 2010 Class of ’51 O.A.C. Leadership Graduation Scholarship
- 2010 Member of Platinum Winning North American Intercollegiate Dairy Challenge Team
- 2010 Member of Canadian Agri-Marketing Association University of Guelph presentation team at the National Agri-Marketing Association competition in Kansas City

**PUBLICATIONS**

- Four first author publications, two more in various states of preparation and submission
- Three 2<sup>nd</sup> or higher author publications
- Three accepted conference abstracts
- All publications focused on dairy or beef genomics in reputable scientific journals

*References and full list of publications available upon request.*