

## PREGNANCY: Graduate Course 2016

**BMED 829 – Pregnancy, Queen’s University (Seminar and Laboratory Course)**  
Meeting in Videoconference Room 155 at the School of Medicine (SoM) or as announced

**BIOM 6070 – Pregnancy, Birth and Perinatal Adaptation**  
**Spring/Summer 2016 University of Guelph (Seminar Course only).**  
Meeting in videoconference room-location to be announced

### Course Coordinators

**Queen’s University:** Dr. Anne Croy, DVM, PhD. ([croya@queensu.ca](mailto:croya@queensu.ca))-seminars B924  
Dr. Chandra Tayade, DVM, PhD. ([tayadec@queensu.ca](mailto:tayadec@queensu.ca))-laboratory B860

**University of Guelph:** Dr. Jon LaMarre, DVM, PhD. ([jlamarre@uoguelph.ca](mailto:jlamarre@uoguelph.ca))-seminars OVC 3606  
Dr. Rami Kridli, DVM, PhD. ([rkridli@uoguelph.ca](mailto:rkridli@uoguelph.ca)) OVC 2602

### Clinical Participants:

Dr. Graeme Smith, Department of Obstetrics and Gynecology, [gns@queensu.ca](mailto:gns@queensu.ca)  
Dr. Michael Flavin, Department of Pediatrics, [MF6@queensu.ca](mailto:MF6@queensu.ca)

**University of Guelph Scheduler:** Ms. Kim Best, Secretary, Dept. Biomedical Sciences  
[kbestb@ovc.uoguelph.ca](mailto:kbestb@ovc.uoguelph.ca)

Videoconference Support: Queens: [medsvc@queensu.ca](mailto:medsvc@queensu.ca)  
U. Guelph: Jim Hare [jhare@ovc.uoguelph.ca](mailto:jhare@ovc.uoguelph.ca)  
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### Part I of the Course: A Literature Review and Discussion Based Component

Tuesday May 3 Guelph & Queen’s	<b>First Class Meeting</b> – 9.30 – 10.30 – Videoconferene Room 155 SoM, Queen’s University linked with Ontario Veterinary College PATH4838 Reading List Topic #1 assigned. Discuss grant writing elective topic task, value of memberships in learned societies.
Thursday, May 5 Queen’s ONLY.	<b>Grand Rounds, Obstetrics and Gynecology with Reproduction Research Group.</b> Room to be announced, 7:30-8:30 AM. Guest Dr. Kelle Moley, James P. Crane Professor of Obstetrics and Gynecology; Director of the Division of Basic Science Research, Department of Obstetrics and Gynecology, Washington University, St. Louis. Topic: Obesity and Reproductive Outcomes. <a href="http://diabetesresearchcenter.dom.wustl.edu/members/moley_kelle.htm">http://diabetesresearchcenter.dom.wustl.edu/members/moley_kelle.htm</a>
Tuesday May 10 Guelph & Queen’s	<b>Discussion of Topic #1</b> –9:30 – 11:30– Video Conference Rooms Structure of placenta, development of placental blood flow and diagnostic approaches to fetal health assessment. United Nations Millenium Development Goals. Grand Challenges Canada Program and 2 minute videos.

Thursday May 12	<b><u>Discussion of Topic #1 Continued</u></b> –9:30 – 11:30 – Video Conference Rooms <u>Reading List #2 assigned.</u>
Friday May 13, all Queen's and hopefully all Guelph participants	<b><u>SORB Meeting at Queen's.</u></b> SORB is the Southern Ontario Reproductive Biology Annual meeting. It is a research trainee presentation day with invited speaker Dr. Susan Ozanne, MRC Metabolic Diseases Unit, Cambridge University UK who will speak on Developmental programming of type 2 diabetes: early nutrition and epigenetic mechanisms.  Your research advisor should have full details of this meeting. If not, please contact the meeting chair Dr. Madhuri Koti at Queen's for information. <a href="mailto:madhuri.koti@queensu.ca">madhuri.koti@queensu.ca</a>
Tuesday, May 17 Guelph & Queen's	<b><u>Discussion of Topic #2</u></b> –9:30 – 11:30 – Video Conference Rooms Spontaneous fetal death after implantation – intrauterine therapy.
Friday, May 20 Guelph & Queen's	<b><u>Discussion of Topic #2 Continued</u></b> –9:30 – 11:30 – Video Conference Rooms Reading List #3 assigned.
Tuesday, May 24 Guelph & Queen's	<b><u>Discussion of Topic #3</u></b> – 9:30 – 11:30 – Video Conference Rooms Immunology of the fetomaternal interface, biome effects, vaccinations in pregnancy, Zika Virus.
Friday, May 27 Guelph & Queen's	<b><u>Discussion of Topic #3 Continued</u></b> –9:30 – 11:30 – Video Conference Rooms Reading List #4 assigned.
Tuesday, May 31 Guelph & Queen's	<b><u>Discussion of Topic #4</u></b> – 9:30 – 11:30 – Video Conference Rooms Fetal compromise from maternal causes. <i>Dr. Graeme Smith, Head Ob/Gyn at Kingston General Hospital is invited to join the 2<sup>nd</sup> hour of this discussion.</i>
Friday, June 3 Guelph & Queen's	<b><u>Discussion of Topic #4 Continued</u></b> –9:30 – 11:30 – Video Conference Rooms Reading List #5 assigned
Tuesday, June 7 Guelph & Queen's	<b><u>Discussion of Topic #5</u></b> –9:30 – 11:30 – Video Conference Rooms Physiological transitions associated with birth.
Friday, June 10 Guelph & Queen's	<b><u>Discussion of Topic #5 Continued</u></b> –9:30 – 11:30 – Video Conference Rooms <i>Tentative Consultant: Dr. M. Flavin , Neonatologist, Department of Pediatrics, Kingston General Hospital will participate from 10:30AM</i>
Jun 10-July 4 Guelph & Queen's	<b><u>Grant Preparation Time</u></b> –topic of your own choice on post implantation pregnancy
Tuesday, July 5 Guelph & Queen's	<b><u>Grant Circulation to Peer Reviewers.</u></b> 9:30 – 10:30. Video Conference Rooms

July 5-8 Guelph & Queen's	<b><u>Preparation Time for Grant Assessments</u></b>
Friday, July 8 Guelph & Queen's	<b><u>Mock Grants Review Panel Meeting 9:00 – noon – Video Conference Rooms</u></b> <b>And course evaluation.</b> Course ends at University of Guelph
<b>Part II of the Course: <i>The Laboratory Component</i></b> <b>Queen's University Registered Students ONLY</b>	
Sunday July 24 starting at 9AM for all day.	Opening day of Human Placenta Summer Workshop with lectures, lunch, dinner and evening presentations. No payment of registration fees is required from <b>Queen's students</b> registered for this graduate course. <b>Guelph students are invited to consider registering for this course in 2016. Applications are competitive and accepted until April 1st each year.</b> See <a href="http://www.queensu.ca/workshops/placenta/">http://www.queensu.ca/workshops/placenta/</a> Contact Placenta@queensu.ca <i>Lab Course Director, Dr. Chandrakant Tayade.</i>
Monday, July24 To Friday, July29 Queen's ANAT829 registered students Only or Guelph Students accepted by Dr. Tayade and paying fees	Queen's Medical School Building and other announced locations. Sessions of Human Placenta Summer Workshop, <b>approximately 9AM-9PM each day</b> with meals included. International, regional and local instructors.  Workshop Assessment Thurs 28 <sup>th</sup> July
Special 1 Day Symposium During Placenta Summer Workshop Friday July 29 Donald Gordon Center	<b>Participation as a Delegate is required</b>
Tuesday, August 9 Oral Presentations	<u>9:30 – 11:30 – Video Conference Rooms.</u> Each student will summarize her/his grant proposal, the critiques provided on July 8 and present an oral revision of the grant that is based on the new learning they made during the Human Placenta Summer Workshop. A presentation of 15-20 minutes is expected defining research questions and methodology that would need to be revised and how newly learned material would replace original ideas and predict new or support former outcomes and significance.  <u>Course Ends Queen's University</u>