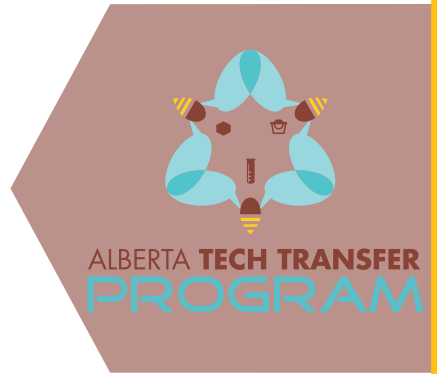




**SMART** beekeeping  
**HEALTHY** hives



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**2020**  
**Integrated Pest**  
**Management**  
**Workshop**



## TUESDAY, FEBRUARY 4TH, 2020

- 8:00 8:45 Registration
- 8:45 8:50 Welcome and Opening Remarks  
*Jeremy Olthof, Alberta Commission, President*
- 8:50 9:00 IPM Workshop Overview and Introductions  
*Dr. Renata Borba, Alberta Beekeepers Commission*
- 9:00 9:50 Commercial Beekeeping Research: How University of Florida is Helping Beekeepers in The Practical Level  
*Dr. Humberto Boncristiani, University of Florida*
- 9:50 10:10 Building Manitoba's Tech Transfer Program: An Update  
*Daryl Wright, Manitoba Beekeepers Association*
- 10:10 10:40 **BREAK**
- 10:40 11:30 Managing the Disease Triangle: Varroa-Virus-Honey bee  
*Dr. Olav Rueppell, University of North Carolina Greensboro*
- 11:30 12:00 Provincial Apiculture Program in Manitoba: Looking back and Planning Forward  
*Rhéal Lafrenière, Manitoba Provincial Apiculturist*
- 12:00 13:15 **LUNCH**
- 13:15 14:00 *Varroa destructor*: effects on bee health and IPM management in Ontario  
*Dr. Nuria M. Ramirez, University of Guelph*
- 14:00 14:45 The Do's and Don'ts of Best Management Practices for *Varroa*  
*Sam Muirhead, Alberta Agriculture and Forestry*
- 14:45 15:15 Use of Oxalic Acid for Varroa treatment: an update and future directions  
*Cassandra Docherty, Alberta Agriculture and Forestry*
- 15:15 15:45 **BREAK**
- 15:45 16:15 Beekeeper Spot: This is How We Do it! Pest Management Practices at Our Farm  
*Jerry Poelman, Poelman Apiaries*

## WEDNESDAY, FEBRUARY 5TH, 2020

- 8:30 9:10 National Bee Health Survey: Round 2 Update  
*Patricia Wolf-Veiga, National Bee Diagnostic Center*
- 9:10 9:50 Alberta Tech Transfer: 2020 Integrated Hive Management Program and IPM training  
*Dr. Renata Borba, Alberta Beekeepers Commission*
- 9:50 10:20 iGEM Nosema Project Update  
*iGEM team, University of Alberta*
- 10:20 10:50 **BREAK**
- 10:50 11:30 Projects update: Developing new miticides and fungicides  
*Dr. Rassol Bahreini, Alberta Agriculture and Forestry*
- 11:30 12:10 Honey Bee Biosecurity  
*Dr. Savannah Howse-Smith, DVM*
- 12:10 13:25 **LUNCH**
- 13:25 14:05 A Versatile Laboratory Model of European Foulbrood Disease  
*Dr. Sarah Wood, University of Saskatchewan*
- 14:05 14:40 Foulbrood (AFB and EFB) Detection and Management  
*Dr. Steve Pernal, Agriculture and Agri-Food Canada*
- 14:40 15:15 Honey Bee Nutrition: A Research Update  
*Dr. Shelley Hoover, Alberta Agriculture and Forestry*
- 15:15 15:45 **BREAK**
- 15:45 16:20 Beekeeping Problems That Beekeepers Don't Talk About  
*Dr. Humberto Boncristiani, University of Florida*
- 16:20 16:40 I am a Beekeeper/Bee Scientist: Ask me Anything!  
*Round table*