



6th Annual A-BC Islet Workshop

February 8-11, 2017

Invited keynote speakers
Dr. Lori Sussel & Dr. Anil Bhushan

Silver Star Mountain Resort, British Columbia



THE
UNIVERSITY OF
BRITISH
COLUMBIA



Program

6th Annual Alberta-BC Islet Workshop 2017

Wednesday February 8, 2017

The Den Bar & Bistro (#23 on Map)

8:00 pm Welcome Mixer

Thursday February 9, 2017

Town Hall and Coffee (#23 on Map)

7:00 am Breakfast

NATL (# 41 on Map)

7:50 am Welcome from Organizers

8:00 am	Session 1 – β -cell Stress & Death	Chair: Jean Buteau
Christine Doucette	<i>The HNF-1αG319S variant and youth-onset type 2 diabetes in Manitoba: How is β-cell function affected?</i>	PI Presentation

8:30 am Rocky Shi

8:45 am Scott Campbell

9:00 am Yi-Chun Chen

9:15 am Peter Yuanjie Zou

9:30 am Jenny Bruin

9:45 am Coffee Break

10:00 am	Session 2 - Islet Transplantation & T1D Therapies	Chair: Mark Ungrin
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10:00 am Jason Lee

10:15 am Yang Yu

10:30 am Julie Hayward

10:45 am Nelly Saber

11:00 am Derek Toms

11:15 am Wentong Long

Jim Johnson *Novel regulators of beta-cell survival*

PI Presentation

Thursday February 9, 2017 - *continued*

12:00 am Break for Lunch and Activities

12:30 pm Afternoon Lift Rates Begin

4:00 pm Last Chair Closes

4:30 pm Session 3 – β -cell Signaling & Transcriptional Regulation

Chair: Brad Hoffman

4:30 pm Thilo Speckmann

4:45 pm Stephanie Campbell

5:00 pm Guneet Makkar

5:15 pm Austin J. Taylor

5:30 pm Ben Vanderkruk

5:45 pm Keynote Speaker

Dr. Anil Bhushan

Title TBD

UCSF
San Francisco, CA, USA

Pinheads Bowling Alley (#45 on Map)

7:00 pm Dinner and Bowling

Friday February 10, 2017

Town Hall and Coffee (#23 on Map)

7:00 am Breakfast

NATL (# 41 on Map)

8:00 am	Session 4 – Obesity, Hyperinsulinemia & Insulin Resistance	Chair: Jonathan Little
Jonathan Little	<i>High-intensity interval training in the management and prevention of type 2 diabetes</i>	PI Presentation

8:30 am Katarina Ondrusova

8:45 am Anni Zhang

9:00 am Connie L.K. Leung

9:15 am Howard Chen

9:30 am Etienne Myette-Côte

9:45 am Coffee Break

10:00 am	Session 5 – Islet Function & Metabolism	Chair: Jenny Bruin
Patrick MacDonald	<i>Connecting exocytosis to ion channel dysregulation in human T2D</i>	PI Presentation

10:30 am Cara Ellis

10:45 am C.K. Wong

11:00 am Nivedita Seshadri

11:15 am Xiao-Qing Dai

11:30 am Haopeng Lin

11:45 am Break for Lunch and Activities

12:30 pm Afternoon Lift Rates Begin

4:00 pm Last Chair Closes

Friday February 10, 2017 - *continued*

4:30 pm	Session 6 – β -cell Growth & Differentiation	Chair: Francis Lynn
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4:30 pm Alex Kadhim

4:45 pm Nidheesh Dadheech

5:00 pm Shugo Sasaki

5:15 pm Kaiyuan Yang

5:30 pm Nicole Krentz

5:45 pm	Keynote Speaker
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Dr. Lori Sussel	<i>"Regulation of islet cell identity and function"</i>	University of Colorado Denver Denver, CO, USA
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1609 Restaurant & Lounge (#13 on Map)

7:00 pm Dinner and Reception

Saturday February 11, 2017

Town Hall and Coffee (#23 on Map)

7:00 am Breakfast

8:00 am Departure



Silver Star Alpine Resort

Village Map



RESORT OVERVIEW

LODGING

1. The Bulldog Hotel **ATM**
2. Creekside Condominiums
3. Chilcoat Lodge
4. Grandview Condominiums
5. Firelight Lodge
6. Lord Aberdeen Hotel **ATM**
7. Pinnacles Suite Hotel
8. Samesun Backpackers Hostel
9. Silver Creek Lodge
10. Snowbird Lodge
11. Vacation Homes
12. Vance Creek Hotel

RESTAURANTS

13. 1609 Restaurant & Lounge
14. Bugaboos
15. Final Run Bar & Bistro
16. HB Pizza
17. Hideaway Lounge
18. Isidore's Cuisine
19. Long John's Pub
20. Out of Bounds Coffee
21. Silver Grill Dining
22. The Bulldog Grand Cafe
23. The Den Bar & Bistro
24. The Saloon **ATM**
25. Town Hall & Coffee + **ATM**
26. Tube Town Cantina

SHOPS & SERVICES

27. Adventure Centre
28. Coldstream Dry Goods
29. Double Diamond Service Centre
30. Equipment Rentals
31. Fitness Centre **NATC**
32. Gallery Odlin
33. Lord Aberdeen Market **ATM**
34. Quaila Day Spa **NATC**
35. Ski Dazzle Retail
36. Snowsports School
37. The Goody Box
38. Village Ski Shop
39. Winter Wedding Meadow
40. Brewer's Pond / Skating
41. Climbing Wall **NATC**
42. Mini Snowmobiles
43. Cross Country Skiing Trail Head
44. Snowshoe Trail Head
45. Pinheads Bowling Alley
46. Tube Town

ACTIVITIES



Silver Star Alpine Resort

Winter Activities

Rentals and Passes (Adult Prices):

Half-day downhill lift tickets (12:30-4:00):

Full-time students (w. student card)	\$59.00 + tax
Adult (non-student)	\$75.00 + tax
Ski/snowboard rental (beginner)	\$31.95 + tax
Ski/snowboard rental (performance)	\$43.95 + tax
Nordic ski pass	\$17.00 + tax
Nordic ski rental	\$15.00 + tax
Snowshoe trail pass	\$10.00 + tax
Snowshoe rental + pass	\$20.00 + tax
Outdoor ice skating	\$6.00 + tax
Skate rental	\$9.00 + tax
Tubing (2 hrs)	\$19.00 + tax
Fat bike pass	\$7.00 + tax
Fat bike rental	\$43.95 + tax

Information: Ph: 250.558.6007; rentals@skisilverstar.com

Information:

Silver Star Alpine Resort

Info Desk: (250) 558-6019

Email: infodesk@skisilverstar.com

Web: <http://www.skisilverstar.com>



Keynote Speakers

Introduction and Biographies

Dr. Lori Sussel

University of Colorado Denver

Professor of Pediatrics and Cell & Developmental Biology at the Barbara Davis Center for Diabetes at the University of Colorado Denver.



Dr. Sussel was born and raised in Chilliwack, BC. She received her undergraduate degree at the University of Texas, Austin and performed her graduate work at Columbia University Medical School. She pursued a postdoctoral fellowship at the University of California, San Francisco, where she studied the transcriptional regulation of CNS and pancreas development. This research led Dr. Sussel to her first faculty position at the Barbara Davis Center at the University of Colorado where her research program focused on characterizing the conserved regulatory pathways that control pancreas development and specification of the islet beta cell lineage. In 2007 she was given the opportunity to continue and expand her research program at Naomi Berrie Diabetes Center at Columbia University Medical School where she rose to the rank of Professor of Genetics and Developmental Biology. In 2016, Dr. Sussel moved back to Colorado to assume the Research Director position of the Barbara Davis Center. In addition to her current research, addressing issues relating to the regulation of beta cell identity and function with a specific focus on transcription factors and long non-coding RNAs, Dr. Sussel is working to establish an internationally recognized research division focusing on all aspects of T1D research and discovery.



Keynote Speakers

Introduction and Biographies

Dr. Anil Bhushan

University of California, San Francisco

Professor, UCSF School of Medicine, Diabetes Center



Dr Bhushan earned his PhD in Biophysics at University of California, Davis. He was a postdoctoral fellow at the Salk Institute of Biological Studies where he worked on TGF- β signaling in the specification and patterning of endoderm. He subsequently worked at Institute Curie and Hospital Robert Debre in Paris on pancreatic development. Between 2009 and 2014 Dr. Bhushan was an Associate Professor at UCLA School of Medicine with his laboratory located in the Harry Hillblom Islet Research Center. Since 2014 Dr. Bhushan has been a Professor at UCSF. The long-term goal of Dr. Bhushan's research at the UCSF Diabetes Center is to develop strategies to restore functional pancreatic beta cells for the treatment of diabetes. These strategies include the generation and analysis of null mouse mutants, transplantation of human islets in immune compromised mice, small molecule screens for beta cell regeneration, and directing the differentiation of embryonic stem cells into endocrine cell lineages. In recent years his group has demonstrated how epigenetic mechanisms control the age-dependent decline in beta cell regenerative capacity, studied how the repertoire of gene expression pattern corresponding to the beta cell is transmitted and maintained after cell replication, and discovered that maintenance of beta cell fate requires de novo DNA methylation of alpha cell determination genes.

This event was generously supported by:



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Diabetes
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