



Workshop on Techniques in Modeling Human Colon Cancer in Rodents

September 29 – October 4, 2009

Contact: Laura Lelansky – Events and Meetings Planner

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Tuesday, September 29, 2009

Location: Highseas Conference Center

4:30pm Registration and social hour

5:30pm Dinner - Highseas Conference Center

Location: Highseas Living Room

6:30pm Orientation – Colon Cancer in 2009 - Highseas Conference Living Room – **John Macauley, PhD, The Jackson Laboratory and David Threadgill, PhD, North Carolina State University**

Current and Future Challenges in Colon Cancer Research - **William Dove, Ph.D., University of Wisconsin**

Wednesday, September 30, 2009

7:00am Breakfast - Highseas Conference Center

Location: Highseas Conference Center – 3rd floor conference room

8:30am Introduction to colon cancer models - **Richard Halberg, Ph.D., University of Wisconsin and David Threadgill, PhD, North Carolina State University**

10:00 Van transports participants to GRB 3rd Floor GRB Training Lab

Location: GRB Training Lab

- 10:15am Lab (GRB Training Lab)
- Working with mice and rats – **Richard Halberg, Ph.D., University of Wisconsin and James Amos-Landgraf, Ph.D., University of Wisconsin**
- 12:30pm Lunch – Roscoe's
- 1:30pm Lab (GRB Training Lab)
- Optical and fluorescent endoscopy - **Richard Halberg, Ph.D., University of Wisconsin**
 - Gastrointestinal dissections
 - Tumor analysis and morphology
- 5:00pm Discussion-colon cancer models (3rd Floor GRB Rm. 3225)
- 6:00pm Vans transport Participants back to Highseas Conference Center
- 6:30pm Dinner - Highseas Conference Center

Location: Highseas Conference Center – 3rd floor conference room

- 7:30pm Imaging modalities – **Jamey Weichert, PhD, University of Wisconsin**

Thursday, October 1, 2009

- 7:00am Breakfast – Highseas Conference Center

Location: Highseas Conference Center – 3rd floor conference room

- 8:30am Comparative Pathology – **Kay Washington, Ph.D., Vanderbilt University**
- 10:00 Van transports participants to GRB 3rd Floor GRB Training Lab**

Location: GRB Training Lab

- 10:15am Lab (training lab)
- Crypt and colonocyte isolation
 - Polyp analysis
- 12:30pm Lunch – Roscoe's
- 1:30pm Lab (training lab)
- Histology preps
 - Immunohistochemistry - **Kevin Haigis, Ph.D., Harvard University**
- 5:00pm Discussion – colon cancer pathology (3rd Floor GRB Rm. 3225)

6:00pm Vans transport Participants back to Highseas Conference Center

6:30pm Dinner - Lobster - Highseas Conference Center

Location: Highseas Conference Center – 3rd floor conference room

7:30pm Modifier analysis with J/qtl - **Randy Smith, Ph.D. – The Jackson Laboratory**

8:30pm Colon cancer modifiers and genetic screens - **Robert Cormier, Ph.D., University of Minnesota – Duluth**

Friday, October 2, 2009

6:00am **Optional Hike - Precipice Trail** - *One of the steepest and most dramatic climbs in Acadia, the Precipice Trail hiking trail has many rungs and ladders along the trail's length and is approximately 1.6 mile/2.6 km round trip providing you with a bird's-eye view of the coast.*

7:00am Breakfast - Highseas Conference Center

Location: Highseas Conference Center – 3rd floor conference room

9:00am In Situ Hybridization - **Xiaodi Chen, Ph.D., University of Wisconsin**

10:30 **Van transports participants to GRB 3rd Floor GRB Training Lab**

Location: GRB Training Lab

10:45am Lab (training lab)

- Immunohistochemistry (cont'd)
- In situ hybridization

12:30pm Lunch – Roscoe's

1:30pm Lab (training lab)

- Proliferation analysis
- Apoptosis analysis
- Cell migration

5:00pm Discussion - Cell biology of colon cancer (3rd Floor GRB Rm. 3225)

6:00pm Vans transport Participants back to Highseas Conference Center

6:30pm Dinner - Highseas Conference Center

Saturday, October 3, 2009

7:00am Breakfast - Highseas Conference Center

Location: Highseas Conference Center – 3rd floor conference room

8:30am Colon cancer metastasis - **David Threadgill, Ph.D., University of North Carolina, Chapel Hill**

10:00 Van transports participants to GRB 3rd Floor GRB Training Lab

Location: GRB Training Lab

10:15am Lab (training lab)

- Continue in situ hybridization

12:30pm Lunch – Bag Lunches by Mona

1:30pm Lab (training lab cont'd)

- Laser capture microdissection
- Orthotopic metastatic model

5:00pm Discussion - Colon cancer proteomics and biomarkers (3rd Floor GRB Rm. 3225)

6:00pm Vans transport Participants back to Highseas Conference Center

6:30pm Dinner - Highseas Conference Center

Location: Highseas Living Room

7:30pm Wrap-up Discussion

Sunday, October 4, 2009

Departures from Highseas