

Tumor Metabolism (B5)

Scientific Organizers: Lewis C. Cantley, Karen H. Vousden and Jeffrey A. Engelman

February 24–28, 2019

Keystone Resort, Keystone, Colorado, USA

Organized in collaboration with Cancer Research UK

Sponsored by Akebia Therapeutics, Cell Research and Merck & Co., Inc.

BEWARE of booking lodging through companies unaffiliated with Keystone Symposia. [Click here for more details.](#)

Keystone Symposia is committed to maintaining a positive and respectful environment at its meetings. To this end, please review and comply with our [policies](#).

DEADLINES:

**All deadlines end at 11:59 PM US Mountain Standard Time*

Scholarship Deadline: Oct 23, 2018 [\[details\]](#)

Discounted Abstract Deadline: Oct 23, 2018 [\[details\]](#)

Abstract Deadline: Nov 27, 2018 [\[details\]](#)

Discounted Registration Deadline: Jan 8, 2019 [\[details\]](#)

[Click here to view Cancellation Policy](#)

No registration fees are used to fund entertainment or alcohol at this conference

Conference Program [Print](#) | [View meeting in 12 hr \(am/pm\) time](#)

The meeting will begin on Sunday, February 24 with registration from 16:00 to 20:00 and a welcome mixer from 18:00 to 20:00. Conference events conclude on Thursday, February 28 with a closing plenary session from 17:00 to 19:00, followed by a social hour and entertainment. We recommend return travel on Friday, March 1 in order to fully experience the meeting.

SUNDAY, FEBRUARY 24

16:00–20:00	Arrival and Registration	Longs Peak Foyer
18:00–20:00	Welcome Mixer	Longs Peak Foyer
No registration fees are used to fund alcohol served at this function.		

MONDAY, FEBRUARY 25

07:00–08:00	Breakfast	Longs/Quandary Peaks
08:00–09:00	Welcome and Keynote Address	Grays Peak
	Registered attendees can view abstracts starting on 01/24/2019	
	Matthew G. Vander Heiden , Massachusetts Institute of Technology, USA <i>Metabolic Requirements and Vulnerabilities of Cancer Cells</i>	
09:00–11:15	Cancer Cell Metabolism	Grays Peak
	Registered attendees can view abstracts starting on 01/24/2019	
	Joshua D. Rabinowitz , Princeton University, USA <i>Folate Metabolism in Cancer</i>	
	Coffee Break	
	Christian Metallo , University of California, San Diego, USA <i>Coordinating Flux through Amino Acid and Lipid Metabolism in Cancer</i>	
	Jeffrey A. Engelman , Novartis Institutes of BioMedical Research, USA <i>Talk Title to be Announced</i>	

Kevin Marks, Agios Pharmaceuticals, USA
Targeting Metabolic Vulnerabilities in Cancer

Short Talk(s) Chosen from Abstracts

11:15–17:00	On Own for Lunch	
11:15–13:00	Poster Setup	Longs/Quandary Peaks
13:00–22:00	Poster Viewing	Longs/Quandary Peaks
16:30–17:00	Coffee Available	Longs Peak Foyer
17:00–19:00	Feeding the Cancer	Grays Peak
	Registered attendees can view abstracts starting on 01/24/2019	
	Eileen P. White, Rutgers University, USA <i>Autophagy</i>	
	Dafna Bar-Sagi, New York University School of Medicine, USA <i>Macropinocytosis</i>	
	David M. Sabatini, Whitehead Institute for Biomedical Research, USA <i>Regulation of Growth by the mTOR Pathway</i>	
	Short Talk(s) Chosen from Abstracts	
19:00–20:00	Social Hour with Lite Bites	Longs/Quandary Peaks
	No registration fees are used to fund alcohol served at this function.	
19:30–22:00	Poster Session 1	Longs/Quandary Peaks

TUESDAY, FEBRUARY 26

07:00–08:00	Breakfast	Longs/Quandary Peaks
08:00–11:00	Metabolism and Metastasis	Grays Peak
	Registered attendees can view abstracts starting on 01/24/2019	
	Martin O. Bergo, Karolinska Institutet, Sweden <i>Antioxidants and Metastasis</i>	
	Richard White, Memorial Sloan Kettering Cancer Center, USA <i>A Role for Adipocytes in the Melanoma Microenvironment</i>	
	Coffee Break	
	Aimee L. Edinger, University of California, Irvine, USA <i>Starving Cancer Cells to Death by Limiting Nutrient Access</i>	
	Karen H. Vousden, Crick Institute, UK <i>p53 in the Regulation of ROS and Metastasis</i>	
	Short Talk(s) Chosen from Abstracts	
11:00–17:00	On Own for Lunch	
11:00–13:00	Poster Setup	Longs/Quandary Peaks
13:00–22:00	Poster Viewing	Longs/Quandary Peaks
16:30–17:00	Coffee Available	Longs Peak Foyer
17:00–19:00	The Metabolism of ROS and Survival	Grays Peak
	Registered attendees can view abstracts starting on 01/24/2019	
	Navdeep S. Chandel, Northwestern University, USA <i>Mitochondrial Metabolism and Cancer</i>	
	Thales Papagiannakopoulos, New York University School of Medicine, USA <i>Uncovering Metabolic Bottlenecks in KRAS-Driven Lung Cancer</i>	
	David A. Tuveson, Cold Spring Harbor Laboratory, USA <i>ROS and Mitophagy Dependencies in Pancreatic Cancer</i>	
	Short Talk(s) Chosen from Abstracts	

19:00–20:00	Social Hour with Lite Bites No registration fees are used to fund alcohol served at this function.	Longs/Quandary Peaks
19:30–22:00	Poster Session 2	Longs/Quandary Peaks

WEDNESDAY, FEBRUARY 27

07:00–08:00	Breakfast	Longs/Quandary Peaks
08:00–11:00	Metabolism Outside the Tumor Registered attendees can view abstracts starting on 01/24/2019 Ralph J. DeBerardinis , University of Texas Southwestern Medical Center, USA <i>Metabolic Perturbations and Human Disease</i> Katja A. Lamia , The Scripps Research Institute, USA <i>Connecting Circadian Clocks and Cancer</i> Coffee Break Vuk Stambolic , Ontario Cancer Institute/University Health Network, Canada <i>Obesity And Cancer</i> Tak W. Mak , Campbell Family Institute for Breast Cancer, Canada <i>Immune Cells</i> Short Talk(s) Chosen from Abstracts	Grays Peak
11:00–17:00	On Own for Lunch	
11:00–13:00	Poster Setup	Longs/Quandary Peaks
13:00–22:00	Poster Viewing	Longs/Quandary Peaks
16:30–17:00	Coffee Available	Longs Peak Foyer
17:00–19:00	Metabolic Adaptation and the Response to Therapy Registered attendees can view abstracts starting on 01/24/2019 Alec Kimmelman , New York University Langone Medical Center, USA <i>Metabolic Adaption in Pancreatic Cancers</i> Lewis C. Cantley , Weill Cornell Medicine, USA <i>Enhancing Responses to Targeted Therapies through Metabolic Intervention</i> Kathryn E. Wellen , University of Pennsylvania, USA <i>Roles for Acetyl-CoA in Cancers</i> Short Talk(s) Chosen from Abstracts	Grays Peak
19:00–20:00	Social Hour with Lite Bites No registration fees are used to fund alcohol served at this function.	Longs/Quandary Peaks
19:30–22:00	Poster Session 3	Longs/Quandary Peaks

THURSDAY, FEBRUARY 28

07:00–08:00	Breakfast	Longs/Quandary Peaks
08:00–11:00	Imaging Cancer Metabolism in vitro and in vivo Registered attendees can view abstracts starting on 01/24/2019 Kevin M. Brindle , University of Cambridge, UK <i>Imaging Tumor Metabolism with Hyperpolarized ¹³CLlabeled Metabolites - From Mouse to Man</i> Josephine Bunch , University of Birmingham, UK <i>Imaging Tumor Metabolism by Multi-Scale Mass Spectrometry Imaging</i> Coffee Break	Grays Peak

Ysevolod V. Belousov, Shemyakin-Ovchinnikov Institute of
Bioorganic Chemistry RAS, Russia
Imaging and Manipulating Redox in Cells

Short Talk(s) Chosen from Abstracts

11:00–17:00

On Own for Lunch

16:30–17:00

Coffee Available

[Longs Peak Foyer](#)

17:00–18:45

Modeling Cancer Metabolism in vitro

[Grays Peak](#)

[Registered attendees](#) can view abstracts starting on 01/24/2019

Sarah-Maria Fendt, VIB Leuven, Belgium
Cancer Metabolism during Metastasis Formation

Costas A. Lyssiotis, University of Michigan, USA
Metabolic Networks in the Tumor Microenvironment

Saverio Tardito, Beatson Institute for Cancer Research, Scotland
Reformulating Cell Culture Medium to Improve the Metabolic Fidelity of in vitro Models of Cancer

Short Talk Chosen from Abstracts

18:45–19:00

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

[Grays Peak](#)

[Registered attendees](#) can view abstracts starting on 01/24/2019

19:00–20:00

Social Hour with Lite Bites

[Longs/Quandary Peaks](#)

No registration fees are used to fund alcohol served at this function.

20:00–23:00

Entertainment

[Longs/Quandary Peaks](#)

Entertainment is not subsidized by conference registration fees nor any U.S. federal government grants. Funding for this expense is provided by other revenue sources.

FRIDAY, MARCH 1

Departure

*Session Chair †Invited, not yet responded.

Keystone Symposia thanks our Sponsors for generously supporting this meeting:



Cell Research



We gratefully acknowledge additional support from these exhibitors at this conference:



Please stop by to meet these exhibitors during the conference.

We appreciate the organizations that provide Keystone Symposia with additional support, such as marketing and advertising:

[Click here to view more of these organizations](#)

Special thanks to the following for their support of Keystone Symposia initiatives to increase participation at this meeting by scientists from underrepresented backgrounds:

[Click here to view more of these organizations](#)

If your organization is interested in joining these entities in support of Keystone Symposia, please contact: **Sarah Lavicka**, Director of Development, Email: sarahl@keystonesymposia.org, Phone: +1 970-262-2690

[Click here](#) for more information on Industry Support and Recognition Opportunities.

If you are interested in becoming an advertising/marketing in-kind partner, please contact: **Yvonne Psaila**, Director, Marketing and Communications, Email: yvonnep@keystonesymposia.org, Phone: +1 970-262-2676