2018 Frontiers of Predictive Oncology and Computing III Meeting

Frontiers of Predictive Oncology and Computing III

** PRELIMINARY MEETING OVERVIEW**

August 14-16, 2018

Intel Headquarters, Santa Clara, CA

Limited Capacity: Participation by Invitation Only

Anticipated Outcomes

- Active, broader connection between the predictive oncology community and oncologists. Greater understanding of oncologists' needs and challenges in delivering patient impact
- Identification of opportunities to: 1) increase awareness of new findings and technologies, and 2) engage clinicians, academia, government, and industry about promising advances in predictive oncology and computing
- Ongoing opportunities to actively connect and share ideas, findings, and progress throughout the year
- Meeting summaries and position papers to inform both public and private stakeholders on insights and lessons learned

Overview of the 2018 Meeting

Now in its third year, the **2018 Frontiers of Predictive Oncology and Computing meeting (FPOC III)** will highlight the **disruptions and innovations** that will **help support and enhance physicians' and oncologists' point-of-care decisions for cancer patients**. By incorporating a critical view of key factors involved in reaching the cancer patient and the physician, the 2018 meeting will explore and integrate new ideas for predictive oncology to deliver the maximum patient impact.

In broad themes, the meeting will emphasize the following primary topics:

2018 Planned Themes

Patient First Opportunities: Bedside to Bench to Bedside – This session highlights research and innovations that focus first and foremost on impact to cancer patients. The session will include useful perspectives on new opportunities and developing ideas in predictive oncology and computing that start first from the bedside—then to the bench—and back to the bedside.

Broader Perspectives: Beyond Oncology and Borders – This session focuses on how insights learned from efforts to advance predictive capabilities in other diseases can be leveraged to identify and refine opportunities to advance the frontiers of predictive oncology and computing. This session will provide insight on innovative research approaches in the United States and across the globe. The session also includes perspectives involving both traditional and non-traditional research settings in industry, academia, and government.

Closing the Gap Between Research and Clinic – To accelerate new advances in patient impact, there is an ever-present need to build bridges across disciplines, communities, and interests. This session will focus on identifying and closing gaps in key areas, including technology, education, regulation, social acceptance, and workforce capabilities that may limit the adoption of advances in predictive oncology and computing.

Disruptions and Innovations: Advancing the Frontier and Looking Ahead – This session focuses on technological, social, and economic innovations and disruptions on the horizon that affect the frontiers of predictive oncology and computing. These disruptions and innovations include the broad use of technology, data driven models, artificial intelligence, computing, persistent health monitoring, and other factors that have the potential to disrupt how cancer care is delivered—and patient impact is achieved—in the future.

History of the Frontiers of Predictive Oncology and Computing (FPOC) Meeting

The Frontiers of Predictive Oncology and Computing (FPOC) meetings are hosted by Intel Corporation and co-sponsored by Lawrence Livermore National Laboratory, a Department of Energy National Laboratory, the Frederick National Laboratory for Cancer Research, and the National Cancer Institute. FPOC is an annual event whose origins are tied to the Biological Applications of Advanced Strategic Computing (BAASIC) program initiated in 2015 by the Department of Energy's (DOE) Lawrence Livermore National Laboratory.

The BAASIC program is itself a component of DOE's Computational Predictive Biology program and focuses on exploring the opportunities and challenges involved in bringing together advanced computing and the life sciences. The goal of this synthesis is to apply the power of extreme computing, big-data analysis, and the explosion of knowledge in life sciences to make possible predictive simulations of human biology and, within that framework, transform the promise of predictive oncology into a reality guiding the clinical care of cancer patients. Realizing this goal requires the creation of a new generation of simulation tools and analytical approaches that can address research challenges of unprecedented complexity.

The FPOC meetings offer a unique opportunity for thought leaders from leading public and private-sector organizations to meet and share ideas and new approaches to predictive oncology and computing. Through a series of presentations, interactive sessions, and informal discussions, the participants engage in a multidisciplinary exploration of critical issues, challenges, and opportunities for accelerating the broader impact—and patient benefit—from both computing technology and predictive oncology.

The **first Frontiers of Predictive Oncology and Computing (FPOC) meeting was held in July 2016 in Washington, DC.** At this meeting over 100 thought leaders from industry, government and academia converged to share insights, knowledge, and a vision for the future of computationally predictive oncology. Intel Corporation compiled the summary report for this meeting, which is available online at this link.

The theme of the **second Frontiers of Predictive Oncology and Computing meeting (FPOC II), held in October 2017 in New York City, was "computational pathology."** Discussions at FPOC II focused on the broader application of technology, computation, and domain expertise to understand and describe the specifics of cancer as a disease. The FPOC II meeting overview and agenda are available online at this link.

Topics at both meetings included emerging avenues for patient impact, the use of advanced computing technologies, access and aggregation of data, and frontiers of describing, probing and measuring the disease in its many forms and stages.

FPOC III is an invitation-only event.
Registration Fees: $325

Click the below for a downloadable version of the preliminary meeting agenda

FPOC 3 Prelimina...080218 clean.pdf

Dates

Tuesday, August 14, through Thursday, August 16, 2018
Cost: $325

Registration link: https://www.eventbrite.com/e/frontiers-of-predictive-oncology-and-computing-iii-tickets-47829910550

Intel is committed to compliance with all applicable laws, regulations, policies and ethics rules. This notice is intended to ensure that your participation in the Frontiers of Predictive Oncology Meeting will not violate any such laws, regulations, policies or rules. The $250 registration fee is partially to allow Intel to provide meals during the course of the event. Intel seeks no promises or favoritism for itself or any of its affiliates in exchange for the opportunity to participate in the Frontiers of Predictive Oncology Meeting or in exchange for the hospitality provided."

** all prices include applicable tax and service fees

Location

Intel Mission Campus

2200 Mission College Blvd

Santa Clara, CA 95054

P: 408.765.5050

Click **HERE** for the Intel Mission Campus website.

Click **HERE** to jump to the Location Map.

The museum is conveniently located near the Montague Expressway exit off Highway 101 in Santa Clara
Lodging is available via the following room block:

The Biltmore Hotel & Suites

2151 Laurelwood Road, Santa Clara, CA 95054

Phone: 408.346.4713

Booking link: http://bookings.ihotelier.com/bookings.jsp?groupID=2273014&hotelID=13370

<u>Rates are as follows:</u>

Suite with King Bed - $218.00 per night (government per diem)

<u>Cut-off Date</u>: Hotel will accept reservations at group rate until Monday, July 30, 2018.

<u>Concessions to include:</u>

- American hot buffet breakfast @ Montague's Café (6am-10am)
- Courtesy Shuttle to/from San Jose Mineta International Airport
- Complimentary guest parking
- Unlimited access to basic Wi-Fi in all guest rooms and public areas

<u>Instructions:</u> Click on the link. Click on "Complete Reservation" to start the reservation process. Select the arrival and departure date and confirm dates of stay. Select a room type, and click on "Book." Once you have selected to "Book" you will be brought to the guest information page where you will enter your information and method of payment. This should complete and confirm you reservation.

To make reservation via phone, please call the hotel directly at (408) 988-8411 and mention **"Frontiers of Predictive Oncology & Computing"** or **Booking ID #35798** to get the special group rate.

Prior to starting the registration, you will be required to upload a biosketch file.

Please visit http://www.cvent.com/d/6tq4dv to upload biosketch information.
For any event related inquiries, please contact Miles Kimbrough via miles.kimbrough@nih.gov or 240.276.5251, or Joy Nally via nally2@llnl.gov, 925.423.0750.