

Immune Assessment Symposium

October 5 & 6, 2023 • Northwestern Memorial Hospital, Feinberg Pavilion • Chicago, Illinois

Thursday, October 5

8:00 a.m. **Registration & Continental Breakfast**

8:45 a.m. **Opening Remarks**
Leonidas Platanias, MD, PhD
Director, Lurie Cancer Center

9:00 a.m. **Multomics and Cross-Trial Analyses of Biomarkers for Responses to Cancer Therapy**
Sacha Gnjjatic, PhD
Icahn School of Medicine

10:00 a.m. **Selected Abstracts: Biomarkers**
Abstracts 1-2

10:40 a.m. **Break & Exhibits**

11:00 a.m. **Selected Abstracts: Biomarkers**
Abstracts 3-5

12:00 p.m. **Lunch & Exhibits**

1:00 p.m. **Utility of Proliferative CD8 T Cell Response from a Peripheral Blood Analysis to Predict Response to Immunotherapy**
Rebecca Obeng, MD, PhD, MPH
Case Comprehensive Cancer Center

2:00 p.m. **Selected Abstracts: (Pre)Clinical Trials**
Abstracts 6-10

3:40 p.m. **Break & Exhibits**

4:00 p.m. *SOLDANO FERRONE LECTURE*
Immune Assessment in Cancer-Related Clinical Trials
Herbert Kim Lyerly, MD
Duke University

5:00 p.m. **Welcome Reception & Poster Displays**

6:30 p.m. **Adjourn**

Friday, October 6

8:00 a.m. **Registration & Continental Breakfast**

9:00 a.m. **Addressing Drug Delivery and Refining Patient Selection to Improve Outcomes for Immunotherapy for Gliomas**
Adam Sonabend Worthalter, MD
Lurie Cancer Center

10:00 a.m. **Selected Abstracts: (Pre)Clinical Trials**
Abstracts 11-12

10:40 a.m. **Break & Exhibits**

11:00 p.m. **Immune Monitoring: Everything Everywhere All at Once**
José Guevara-Patiño MD, PhD
Moffitt Cancer Center

12:00 p.m. **Selected Abstracts: Technical Advances**
Abstracts 13-15

1:00 p.m. **Lunch, Exhibits & Poster Displays**

2:00 p.m. **Lessons Learned from Vaccination Against Cancer**
Lisa Butterfield, PhD
University of California at San Francisco

3:00 p.m. **Current Immune Assessment Practices and Standards Panel Discussion**
Panel moderated by
Holden Maecker, PhD
Stanford University

4:00 p.m. **Adjourn**

Selected abstract speakers and titles are provided on the reverse

Selected Abstract Presentations: Biomarkers

Chairs: **Bin Zhang, MD, PhD & Holden Maecker, PhD**

1. **Thursday - 10:00 a.m.**
Arjun Kharel, Jian Shen, Ryan Brown, Yao Chen, Christine Nguyen, Donia Alson, Theresa Bluemn, Matthew Kudek, Nan Zhu, Weiguo Cui: ***Loss of PBAF promotes Effector Differentiation and Limits CD8 exhaustion***
2. **Thursday - 10:20 a.m.**
Victor Karwacinski, Tatiana Carneiro-Lobo, Cheryl Olson, Mayerli Constante, Puja Pradhan, Pinar Mesci, Alysson R Muotri, Daniel J Brat: ***TAMS and hypoxia enhance glioblastoma stem-like cell enrichment***
3. **Thursday - 11:00 a.m.**
Marihan Hegazy, Quinn Roth-Carter, Jennifer Koetsier, Xin Tong, Amber Huffine Bogart, Rosemary DiDominicis, Dongmei Wang, Charlotte Reed, Rui Yi, Ziyu Ren, Lisa Godel, Kathleen Green: ***Epidermal development and inflammation are linked through Desmoglein-1***
4. **Thursday - 11:20 a.m.**
William Q Nguyen, Lauren P Chrisman, Teresa Griffin, Gail Enriquez, Madeline J. Hooper, Lindsey Ayanruoh, Jacqueline Maher, Joan Guitart, Michael Burns, Xiaolong (Alan) Zhou: ***Gut microbial profiles may predict NB-UVB response in CTCL patients***
5. **Thursday - 11:40 a.m.**
Radhika Iyer, Shengnan Wang, Ming Yan, Deyu Fang: ***CRISPR Screening identifies ATXN3 as a Positive Regulator of PD-L1***

Selected Abstract Presentations: (Pre)Clinical Trials

Chairs: **Deyu Fang, PhD & Surya Pandey, PhD**

6. **Thursday - 2:00 p.m.**
Sarah E Fenton, Markella Zannikou, Briana Hryhorysak, Liliana Ilut, Mariafausta Fischietti, Chunni Ji, Chidera V Oku, Curt M Horvath, I Caroline Le Poole, Marcus Bosenberg, Elizabeth T Bartom, Masha Kocherginsky, Leonidas C Plataniotis, Diana Saleiro: ***Regulation of IFN-gamma signaling to increase responses to ICIs***
7. **Thursday - 2:20 p.m.**
Sangeeta Kowli, Caroline Duault, Netra Unni Rajesh, Elysse N. Grossi-Soyster, Tyson H. Holmes, Holden T. Maecker: ***CyTOF reveals chronic activation of CD8+ cell subsets in melanoma patients***
8. **Thursday - 2:40 p.m.**
Rohan Shivde, Serena Gacek, Irina Balyasnikova, Caroline Le Poole: ***TYRP1-reactive bispecifics and CAR T-cells contain melanoma tumors in mice***
9. **Thursday - 3:00 p.m.**
Hui Tang, Ping Xie, Jihae Ahn, Miran Choi, Jie Fan, Rachel Orpano, Bin Zhang: ***Reprogramming of tumor-induced granulopoiesis overcomes ICT resistance***
10. **Thursday - 3:20 p.m.**
Y. David Seo, Hailing Lu, Graeme Black, Kimberly Smythe, Yuexin Yu, Cynthia Hsu, Juliana Ng, Pedro Viveiros, E. Houston Warren, Brett A. Schroeder, Ryan B. O'Malley, Lee D. Cranmer, Elizabeth Loggers, Michael Wagner, Lynn Bonham, Venu G. Pillarisetty, Gabrielle Kane, Peter Berglund Frank J. Hsu, Xinlei Mi, Borislav A. Alexiev, Robert A. Pierce, Stanley R. Riddell, Robin L. Jones, Jan ter Meulen, Edward Y. Kim, Seth M. Pollack: ***CD4 TIL clonal divergence following TLR4 agonists + RADs***

11. **Friday - 10:00 a.m.**
Tyler A Smith, Sizhe Liu, Lisha Zhu, Jennifer D Wu: ***NKG2D Co-stimulation enhances CD8 T cell stemness in tumors***
12. **Friday - 10:20 a.m.**
April Bell, Margaret Johnson, Kristen L. Lauing, Erik Ladomersky, Manon Penco, Yajas Shah, Elizabeth Mauer, Joanne Xiu, Theodore Nicolaidis, Michael Drumm, Kathleen McCortney, Olivier Elemento, Lijie Zhai, Miri Kim, Prashant Bommi, Justin T. Low, Ruba Memon, Jennifer Wu, Junfei Zhao, Xinlei Mi, Michael J. Glantz, Soma Sengupta, Bakhtiar Yamini, Craig Horbinski, Darren J. Baker, Theresa L. Walunas, Gary E. Schiltz, Rimas V. Lukas, Derek A. Wainwright: ***Targeting senescent cells to boost immunotherapy responses in Glioblastoma***

Selected Abstract Presentations: Technical Advances

Chairs: **Caroline Le Poole, PhD & Seth Pollack, MD**

13. **Friday - 12:00 p.m.**
Dauren Biyashev, Zofia E. Siwicka, Ummye V. Onay, Michael Demczuk, Dan Xu, Madison K. Ernst, Spencer T. Evans, Cuong V. Nguyen, Florencia A. Son, Navjit K. Paul, Naneki C. McCallum, Omar K. Farha, Stephen D. Miller, Nathan C. Gianneschi, Kurt Q. Lu: ***Topical application of synthetic melanin promotes tissue repair***
14. **Friday - 12:20 p.m.**
Anumeha Singh, Chi Zhang, Eric Mao, Rui Yi: ***Transcriptional control of immune privilege of hair follicle stem cells***
15. **Friday - 12:40 p.m.**
Victor A. Arrieta, Jasim K. Benotmane, Junfei Zhao, Silpol Dhiantravan, David Hou, Joshua L. Katz, Si Wang, Brandyn Castro, Surya Pandey, Meghan E. Cholak, Yu Han, Chetan Bettogowda, Craig M. Horbinski, Jason Miska, Roger Stupp, Maciej S. Lesniak, Adam M. Sonabend, Jean-Paul Wolinsky, Dieter Henrik Heiland, Catalina Lee-Chang: ***Integrated Single-Cell analysis reveals immune landscape in chordomas***