

Welcome to

## Conversations with Scientists

# IMMUNOLOGY

## The Best Offense is a Good Defense

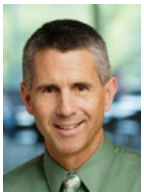
*Presented in partnership with the MCW Center for Immunology*

**Tuesday, October 30, 2018**  
**6:30 - 8:30 p.m.**

**Medical College of Wisconsin**  
Milwaukee | Central Wisconsin | Green Bay

### Speakers

#### Changing the Game: Cancer Immunology



“Using the Immune System to Fight  
Cancer: Immunotherapy is now a reality”

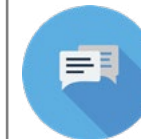
**Bryon Johnson, PhD**  
Professor of Medicine  
Division of Hematology and Oncology  
Medical College of Wisconsin



“Cancer Immunotherapy in  
the Clinic”

**Jonathan Thompson, MD, MS**  
Assistant Professor of Medicine  
Division of Hematology and Oncology  
Medical College of Wisconsin

### Online Webcast



For the best viewing experience,  
view on a desktop or laptop  
computer. Be sure to engage  
with our speakers throughout  
the program by emailing us your  
questions at [ahw@mcw.edu](mailto:ahw@mcw.edu).

# ABOUT THE SPEAKERS



## **Bryon Johnson, PhD**

Professor of Medicine  
Division of Hematology and Oncology  
Medical College of Wisconsin

Bryon Johnson, PhD, is a Professor of Medicine, Division of Hematology and Oncology at the Medical College of Wisconsin. Dr. Johnson received his PhD from the University of Health Sciences/The Chicago Medical School (now Rosalind Franklin University), in 1989.

**Area of Interest:** My research interest is in understanding the biology and immunology of cancer and uncovering new immune-based approaches to treat cancer. My current research focuses on combining the following approaches to improve the use of cancer immunotherapy for treating both solid tumors and blood cancers: (1) immune checkpoint protein blockade, (2) adoptive transfer of cancer-reactive T lymphocytes, and (3) use of novel agents to modify the cancer microenvironment so that the immune system can more effectively eliminate the disease.

**Highlight of My Career:** Being named Director of the MCW Blood & Marrow Transplant Program Cell Therapy Lab in January of 2017.

**Fun Fact:** I love to travel with my wife and have become addicted to photography. I also enjoy playing tennis, and my wife and I have a tandem bicycle that we love riding in the warmer months.

**Take Away Message:** Cancer immunotherapy is here to stay! The challenge that lays ahead for scientists and clinicians will be do figure out how best to use these exciting therapies so that we can more routinely achieve cures for patients.



## **Jonathan Thompson, MD, MS**

Assistant Professor of Medicine  
Division of Hematology and Oncology  
Medical College of Wisconsin

Jonathan Thompson, MD, MS, is an Assistant Professor of Medicine, Division of Hematology and Oncology, at the Medical College of Wisconsin. Dr. Thompson received his MD from the Medical College of Wisconsin in 2010.

**Area of Interest:** My research/clinical interest is using immunotherapy and targeted therapy to treat lung cancer. I am leading multiple clinical trials at MCW to look at ways to improve outcomes with these promising treatments. I am also studying how the body's natural "good" bacteria can interact with the immune system and cancer immunotherapy.

**Highlight of My Career:** Joining the faculty at MCW as an oncologist has been very rewarding. I am a Wisconsin native, and it is a privilege to help people through challenging times in my home state.

**Fun Fact:** I have two rambunctious kids who keep me busy in my free time. I also like to cook and enjoy the great restaurants in Milwaukee.

**Take Away Message:** Cancer immunotherapy uses your body's defense system to kill cancer. It has led to huge improvements in the treatment of cancer, and it has already helped countless people live longer. Through further research, we hope to benefit more people with immunotherapy.

# DO MORE ... THINK BIG

Explore the power of your immune system and its role in our health with these resources:

## ● Watch

- A quick video that explains the basics of cancer: [youtu.be/h8X8beT44iQ](https://youtu.be/h8X8beT44iQ)
- An animated video that explains immunotherapy as treatment for cancer: [youtu.be/afdq8Op-jQM](https://youtu.be/afdq8Op-jQM)
- Dr. Jyoti Patel from the University of Chicago Medicine provides an overview of immunotherapy and how it's changing cancer treatment: [youtu.be/zpVRdcWJBgQ](https://youtu.be/zpVRdcWJBgQ)

## ● Read

- Information about cancer immunotherapy: [www.cancer.org/treatment/treatments-and-side-effects/treatment-types/immunotherapy.html](http://www.cancer.org/treatment/treatments-and-side-effects/treatment-types/immunotherapy.html)
  - Cancer immunotherapy patient resources: [www.sitcancer.org/patient/resources](http://www.sitcancer.org/patient/resources)
  - An explanation of the different types of immunotherapies: [www.cancer.net/navigating-cancer-care/how-cancer-treated/immunotherapy-and-vaccines/understanding-immunotherapy](http://www.cancer.net/navigating-cancer-care/how-cancer-treated/immunotherapy-and-vaccines/understanding-immunotherapy)
  - Comprehensive, reliable information from the National Institutes of Health National Cancer Institute on immunotherapy and other cancer therapies: <https://www.cancer.gov/about-cancer/treatment/types/immunotherapy>
  - Learn about two scientists just awarded the Nobel Prize in Physiology or Medicine for their discoveries which led to cancer immunotherapy treatments: [www.npr.org/sections/health-shots/2018/10/01/653251667/james-p-allison-and-tasuku-honjo-win-2018-nobel-prize-in-physiology-or-medicine](http://www.npr.org/sections/health-shots/2018/10/01/653251667/james-p-allison-and-tasuku-honjo-win-2018-nobel-prize-in-physiology-or-medicine)
- ## ● Do
- Volunteer or participate in a fundraiser with the American Cancer Society: [cancer.org](http://cancer.org)
  - Educate yourself and get involved with Wisconsin's cancer control efforts: [wicancer.org](http://wicancer.org)



## JOIN US NEXT SERIES!

Thank you for attending our Fall 2018 Conversations with Scientists learning series! Please join us in the spring, when Conversations with Scientists will be back with an exciting new series.

Do you have ideas for topics you'd like to see explored? Visit [www.AHWendowment.org/Learning-Series](http://www.AHWendowment.org/Learning-Series) to share your ideas.



ADVANCING A HEALTHIER  
WISCONSIN ENDOWMENT

Driven by a vision of a healthier Wisconsin, the Advancing a Healthier Wisconsin Endowment was established at the MCW Medical School to propel the most promising work and ideas to build a healthier Wisconsin for generations to come.

Conversations with Scientists is a free, public learning series presented by AHW to bring the research of MCW experts to the public, translating new discoveries into community knowledge and taking discussions out of the classroom or health clinic and into public conversation.

[www.AHWendowment.org](http://www.AHWendowment.org)