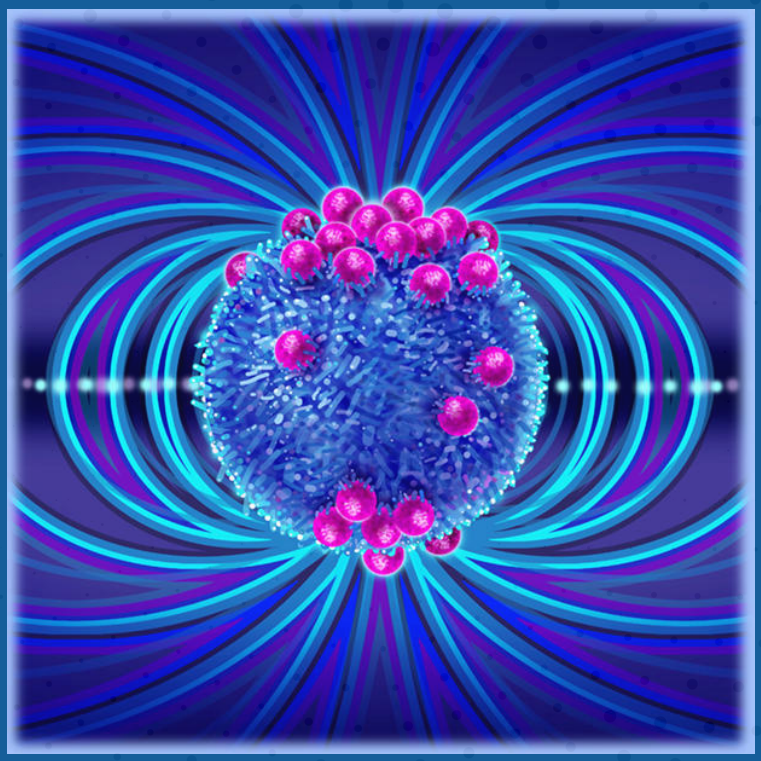
CONTINUING MEDICAL EDUCATION

Advances in Immunoengineering: Fundamentals and Cutting Edge Advances



Tuesdays and Thursdays
January 5 - 28, 2021

INTERNET LIVE CONFERENCE

Presented by
The Johns Hopkins Translational ImmunoEngineering (JH-TIE) BTRC
An NIBIB Biomedical Technology Resource Center
The Johns Hopkins Translational Tissue Engineering Center (TTEC)
The Johns Hopkins University Institute for NanoBio Technology (INBT)

This activity has been approved for *AMA PRA Category 1 Credits™*.

JOHNS HOPKINS MEDICINE

DESCRIPTION

The field of Immunoengineering combines the diverse and complex fields of engineering and immunology and is transforming patient treatment in cancer, autoimmunity, regeneration, and transplantation. There is a significant need for training of engineers in immunology and for training immunologists in quantitative engineering techniques. Moreover, there is need to bridge basic immunological discoveries with advances in clinical application. This course will review the fundamentals of the immune system and its components, engineering strategies to modulate the immune system, and clinical applications.

WHO SHOULD ATTEND

The course is designed for graduate students, medical students, residents, and fellows in engineering, immunology, and related fields. Engineering and clinical faculty and members of industry will benefit from the course as well.

OBJECTIVES

After attending this activity, the learner will demonstrate the ability to:

- Review the fundamentals and recent discoveries in the function of the immune system.
- Identify engineering strategies to manipulate the immune system.
- Describe the clinical applications of immunoengineering.

ACCREDITATION STATEMENT

The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

ACCME
ACCREDITED WITH COMMENDATION

CREDIT DESIGNATION STATEMENT

The Johns Hopkins University School of Medicine designates this live activity for a maximum of 12 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

OTHER CREDITS

American Academy of Nurse Practitioners National Certification Program accepts *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME.

American Nurses Credentialing Center (ANCC) accepts *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME.

National Commission on Certification of Physician Assistants (NCCPA) PAs may claim a maximum of 12 Category 1 credits for completing this activity. NCCPA accepts *AMA PRA Category 1 Credit™* from organizations accredited by ACCME or a recognized state medical society.

The Johns Hopkins University has approved this activity for 12 contact hours for non-physicians.

POLICY ON PRESENTER AND PROVIDER DISCLOSURE

It is the policy of the Johns Hopkins School of Medicine that the presenter and provider globally disclose conflicts of interest. The Johns Hopkins School of Medicine OCME has established policies that will identify and resolve conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

JOHNS HOPKINS STATEMENT OF RESPONSIBILITY

The Johns Hopkins School of Medicine takes responsibility for the content, quality, and scientific integrity of this CME activity.

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INTERNET CME POLICY

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DISCLAIMER STATEMENT

The opinions and recommendations expressed by faculty and other experts whose input is included in this program are their own. This enduring material is produced for educational purposes only. Use of Johns Hopkins School of Medicine name implies review of educational format design and approach. Please review the complete prescribing information of specific drugs or combination of drugs, including indications, contraindications, warnings and adverse effects before administering pharmacologic therapy to patients.

HARDWARE/SOFTWARE REQUIREMENTS

Internet connection.

GENERAL INFORMATION

REGISTRATION

Registration Cut-Off Date: December 30, 2020 5:00 p.m. ET

Register Online: hopkinscme.cloud-cme.com/default.aspx?P=5&EID=25691

Pre-registration is required by December 30, 2020. On the day of, please log into the online platform by 3:45 p.m. ET to test your connection. Exclusive log-in details will be provided via email the week prior.

You will receive a confirmation by e-mail. If you have not received it by December 30, 2020, call (410) 502-9636 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. Under such circumstances registrants will be notified as soon as possible.

LATE FEE AND REFUND POLICY

A $25 late fee applies to registrations received after 5:00 p.m. ET on December 30, 2020.

SYLLABUS

The syllabus will be accessible online and via your mobile device in the CloudCME App prior to the activity.

HOW TO OBTAIN CREDIT

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print. **The last day to access the evaluation and attest to your credits is March 14, 2021.**

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner's practice.

AMERICANS WITH DISABILITIES ACT

The Johns Hopkins School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. *Please notify us if you have any special needs.*

TO REGISTER OR FOR FURTHER INFORMATION

Register Online: hopkinscme.cloud-cme.com/default.aspx?P=5&EID=25691

Register by Phone ..... (410) 502-9636
Register by Fax ..... (866) 510-7088
Confirmation/Certificates/Transcripts..... (410) 502-9636
General Information ..... (410) 955-2959
E-mail the Office of CME..... cmenet@jhmi.edu

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CloudCME
Check out our mobile app CloudCME.
Organization Code: HopkinsCME

For website and CloudCME mobile app technical difficulties, email: cmetechsupport@jhmi.edu
For general information, please visit the activity webpage at: https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=25691

Visit our JH-TIE website: https://jhtie.jhmi.edu/upcoming-training-sessions/

PROGRAM

Tuesdays and Thursdays * January 5 - 28, 2021 * 4:00 - 5:30 p.m. ET

Week 1 – T-Cell Engineering and Antigen Presentation

Tuesday, January 5, 2021
Darrell Irvine, PhD
Yasmine Belkaid, PhD

Thursday, January 7, 2021
Jordan Green, PhD
Jonathan Schneck, MD, PhD

Week 2 – Tissue Immunology and Immunoengineering

Tuesday, January 12, 2021
Grégoire Altan-Bonnet, PhD
Jennifer Elisseeff, PhD

Thursday, January 14, 2021
Kaitlyn Sadtler, PhD
Chris Jewell, PhD

Week 3 – Cancer Immunotherapy and Autoimmunity

Tuesday, January 19, 2021
Franck Housseau, PhD
Drew Pardoll, MD, PhD

Thursday, January 21, 2021
Scott Wilson, PhD
Anthony Rosen, MBChB, MS

Week 4 – Cell Engineering, Metabolism, and Therapies

Tuesday, January 26, 2021
Jamie Spangler, PhD
Jonathan Powell, MD, PhD

Thursday, January 28, 2021
Ivan Borello, MD
Krishnendu Roy, PhD

You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance. The Johns Hopkins School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity. This schedule is subject to change.

ACKNOWLEDGEMENT

The Johns Hopkins School of Medicine did not solicit or receive commercial funding from any commercial entity, including pharmaceutical and medical device manufacturers, for this activity.

We would like to acknowledge financial and management support made possible through an NIBIB P41 Grant,The Johns Hopkins School of Medicine, Provost's Office and Department of Pathology.