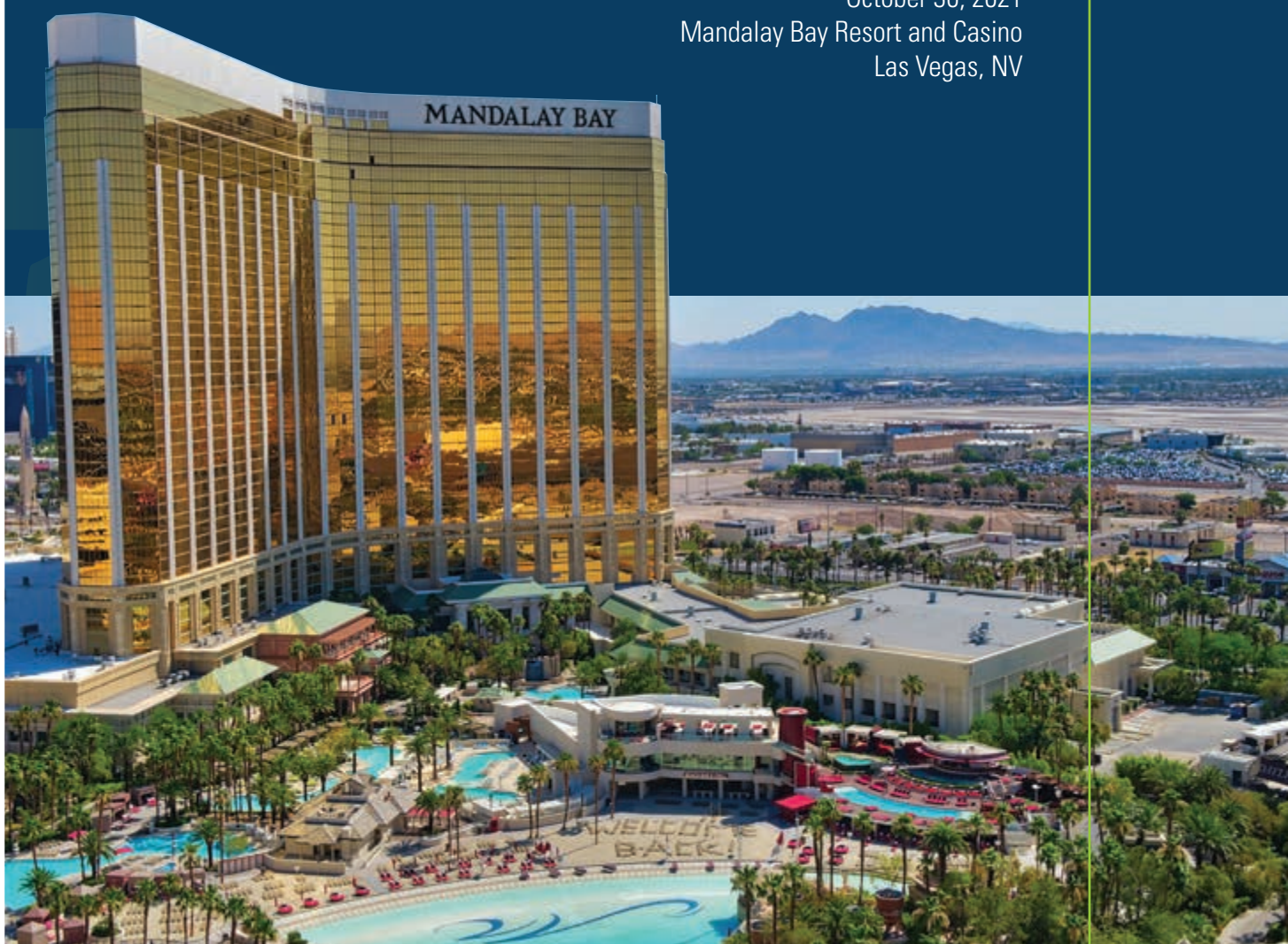


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# 2021 ANNUAL MEETING

October 30, 2021  
Mandalay Bay Resort and Casino  
Las Vegas, NV



# APCR

Academy of Physicians  
in Clinical Research

# PROGRAM BOOK

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## LEADERSHIP

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1100 E Woodfield Dr, Suite 350  
Schaumburg, IL 60173

Barbara Arango, CAE

*Executive Director*

# CME INFORMATION

## Educational Needs

The APCR 2021 Annual Meeting is dedicated to clinical research specifically for physicians. Speakers will address current issues and breakthrough topics relevant to all clinical researchers. The sessions will include up-to-date information on Artificial Intelligence, the business of clinical research, diversity and COVID effects on the research community.

## Educational Objectives

At the conclusion of the APCR 2021 Annual Meeting, attendees will be able to:

1. Review the AI - A primer.
2. Discuss the current state of AI in healthcare.
3. Discuss future applications and challenges of AI in healthcare.
4. Discuss the pipeline for doing medical research using artificial intelligence.
5. List options for hardware and software requirements for AI projects.
6. Demonstrate and end to end AI model creation and deployment.
7. Discuss explainable AI and potential biases.
8. Review the social media platforms available for advertising.
9. Describe how to create a landing page for your advertising.
10. Discuss how to process the referrals from the advertising.
11. Identify best practices to ensure clinical trial administrators of multiple sites are communicating effectively.
12. Review the financial aspects of revenue diversification in a private practice setting.
13. Recognize the impact that ethnic minority patients who underrepresented in most clinical trials of new medicines and the data deficit on the perpetuation of health disparities.
14. Recognize the diversity of American physicians and patients in clinical research as is necessary to improve patient care.
15. Discuss lessons learned from the last almost two years of forced change due to the COVID-19 pandemic.
16. Review the update on science and innovation of COVID-19 vaccines and therapeutics.
17. Discuss the regulatory adaptations of how clinical trials are conducted due to the COVID-19 pandemic.
18. Describe the state-of-art of Covid19 in UK.
19. List the key points to conduct a clinical trial during covid times.
20. Discuss how the future of clinical research will look in the UK post covid pandemic.
21. Describe the effects of Covid 19 on select patient populations.
22. Discuss the effect of Covid 19 on patients getting infused with immunosuppressive medicines in our infusion centers.
23. Review the effect of Covid 19 on patients getting infused with immunosuppressive medicines in an understandable format to a wide audience.

## Accreditation

### **Category 1**

Creighton University Health Sciences Continuing Education designates this live activity for a maximum of **5.25 AMA PRA Category 1 Credit(s)<sup>TM</sup>**. Physicians should claim only credit commensurate with the extent of their participation in this activity.

AAPA accepts AMA category 1 credit for the PRA from organizations accredited by ACCME.

### **Accreditation Statement**



In support of improving patient care, this activity has been planned and implemented by Creighton University Health Sciences Continuing Education (HSCE) and the Academy of Physicians in Clinical Research.

Creighton University Health Sciences Continuing Education (HSCE) is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

### **General Disclaimer**

The statements and opinions contained in this program are solely those of the individual authors and contributors and not of the Academy of Physicians in Clinical Research. The appearance of the advertisements is not a warranty, endorsement, or approval of the products or services advertised or of their effectiveness, quality, or safety. The content of this publication may contain discussion of off-label uses of some of the agents mentioned. Please consult the prescribing information for full disclosure of approved uses. The Academy of Physicians in Clinical Research disclaims responsibility for any injury to persons or property resulting from any ideas or products referred to in the abstracts or advertisements.

### **Special Assistance**

We encourage participation by all individuals. If you have a disability, advance notification of any special needs will help us better serve you. Call (847) 517-7225 if you require special assistance to fully participate in the meeting.

## Faculty Disclosures

Faculty disclosures for the APCR 2021 Annual Meeting can be found online at [tinyurl.com/APCR2021-disclosures](https://tinyurl.com/APCR2021-disclosures).

# CME INSTRUCTIONS

## Online CME Submission Instructions

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*Please note the electronic CME submission form will open Saturday, October 30, 2021 at 12:00 p.m. (noon) Pacific time and close on Sunday, November 21, 2021 at 11:59 p.m. Pacific time.*

The CME submission form may be accessed via the link below or the QR code at right.

Submit your CME Certification online at [virtual.association-service.org/apcr/cme](https://virtual.association-service.org/apcr/cme).



### CME Instructions

#### (THREE STEP PROCESS: SUBMIT CERTIFICATION ONLINE AND COMPLETE EVALUATION)

1. **Submit your CME certification online and record your attendance.** In order to submit your CME, visit [virtual.association-service.org/apcr/cme](https://virtual.association-service.org/apcr/cme). Attendees should claim only credit commensurate with the extent of their participation in the activity. For physicians to officially receive *AMA PRA Category 1 Credits™* and for nonphysicians to document their attendance, participants are required to submit the CME online certification.

**Electronic CME submission form will open Saturday, October 30th at 12:00 p.m. (noon) Pacific time and close on Sunday, November 21st at 11:59 p.m. Pacific time.**

2. **Complete Evaluation.** Approximately 4 weeks post-meeting, you will receive an email with a link to the CME Evaluation Survey. Follow the link to complete the survey online. The CME evaluation is open for 60 days.
3. **Access your Certificate.** Following completion of the CME Evaluation Survey, you will be redirected to the Certificate site. Once you sign-in you will have access to your CME or Participation Certificate.

**Attendance and evaluations will be tracked.**

### Need Help?

If you have difficulties with the online CME submission, you may contact us via email at [cmeinfo@wjweiser.com](mailto:cmeinfo@wjweiser.com) or via phone at (847) 517-7225, Monday through Friday from 8:30 a.m. - 5:00 p.m. Central.

# PROGRAM

All sessions will be located in **Tradewinds ABCD** unless otherwise noted. Speakers and times subject to change.

## SATURDAY, OCTOBER 23, 2021

7:00 a.m. - 3:30 p.m.	<b>Registration/Information Desk Open</b> <i>Location: Tradewinds Foyer</i>	11:30 a.m. - 11:50 a.m.	<b>Annual Business Meeting</b>
7:30 a.m. - 8:00 a.m.	<b>Breakfast*</b> <i>Location: Tradewinds ABCD</i> *Not CME Accredited	11:50 a.m. - 1:00 p.m.	<b>Lunch</b>
8:00 a.m. - 8:10 a.m.	<b>Welcoming Remarks</b> Harry Sarles, MD, FAPCR <i>Digestive Health Assoc of Texas, Rockwall, TX</i>	1:00 p.m. - 2:00 p.m.	<b>Session 3: Diversity</b> Moderator: Michael Koren, MD, FACC, FAPCR, CPI <i>Jacksonville Center for Clinical Research, Jacksonville, FL</i>
8:10 a.m. - 9:40 a.m.	<b>Session 1: Artificial Intelligence</b> <b>Moderator:</b> Chaitanya Mamillapalli, MD, MRCP, FAPCR <i>Springfield, IL</i>	1:00 p.m. - 1:40 p.m.	<b>Keynote - Investigator Training and the Magic of Merging Cross Cultural Medicine and Deductive Reasoning</b> Michael Koren, MD, FACC, FAPCR, CPI <i>Jacksonville Center for Clinical Research, Jacksonville, FL</i>
8:10 a.m. - 8:30 a.m.	<b>AI in Healthcare - An Overview</b> Piyush Mathur, MD, FCCM <i>Cleveland Clinic, Cleveland, OH</i>	1:40 p.m. - 2:00 p.m.	<b>Digital Holistic Approach to Clinical Trial Inclusion for Therapeutic Equity</b> James Powell, MD <i>Know Rx, Austin, TX</i>
8:30 a.m. - 8:50 a.m.	<b>Practical Aspects of Using AI in Clinical Research</b> Johnson Thomas, MD,FACE <i>Springfield, MO</i>	2:00 p.m. - 3:20 p.m.	<b>Session 4: COVID Effects on the Research Community</b> Moderator: Ricardo Correa, MD, EdD, FACP, FACE <i>University of Arizona College of Medicine-Phoenix, Phoenix, AZ</i>
8:50 a.m. - 9:10 a.m.	<b>Demonstrating Utility and Value for AI in Medicine</b> Rajarshi Banerjee, PhD <i>Perspectum, Oxford</i>	2:00 p.m. - 2:20 p.m.	<b>Lessons Learned From COVID</b> Michael Ybarra, MD, FAPCR <i>Bethesda, MD</i>
9:10 a.m. - 9:40 a.m.	<b>Panel Q&amp;A</b> Rajarshi Banerjee, PhD <i>Perspectum, Oxford</i>  Piyush Mathur, MD, FCCM <i>Cleveland Clinic, Cleveland, OH</i>  Johnson Thomas, MD,FACE <i>Springfield, MO</i>	2:20 p.m. - 2:40 p.m.	<b>Clinical Experience with COVID in the UK</b> Rajarshi Banerjee, PhD <i>Perspectum, Oxford</i>
9:40 a.m. - 10:10 a.m.	<b>Break</b>	2:40 p.m. - 3:00 p.m.	<b>Effects of the Covid-19 Pandemic on Patients Receiving Infusion Biologics in Gastroenterology Clinics</b> Harry Sarles, MD, FAPCR <i>Digestive Health Assoc of Texas, Rockwall, TX</i>
10:10 a.m. - 11:30 a.m.	<b>Session 2: The Business of Clinical Research</b> Moderator: Harry Sarles, MD, FAPCR <i>Digestive Health Assoc of Texas, Rockwall, TX</i>	3:00 p.m. - 3:20 p.m.	<b>Panel Q&amp;A</b> Rajarshi Banerjee, PhD <i>Perspectum, Oxford</i>  Harry Sarles, MD, FAPCR <i>Digestive Health Assoc of Texas, Rockwall, TX</i>  Michael Ybarra, MD, FAPCR <i>Bethesda, MD</i>
10:10 a.m. - 10:30 a.m.	<b>SOCIAL MEDIA: How to Enhance Recruiting for Your Clinical Trial</b> Cara East, MD, FAPCR <i>Baylor Soltero CV Research, Dallas, TX</i>	3:20 p.m. - 3:30 p.m.	<b>Conference Closing</b> Ricardo Correa, MD, EdD, FACP, FACE <i>University of Arizona College of Medicine-Phoenix, Phoenix, AZ</i>
10:30 a.m. - 10:50 a.m.	<b>Central Management of Multiple Sites – AKA Herding Cats</b> Timothy Edward Ritter, MD <i>GI Alliance, Coppell, TX</i>		
10:50 a.m. - 11:10 a.m.	<b>Thinking Beyond Clinical Trials - Diversification of Research Revenue Streams</b> Vanessa Pico <i>GI Alliance, Phoenix, AZ</i>		
11:10 a.m. - 11:30 a.m.	<b>Panel Q&amp;A</b> Cara East, MD, FAPCR <i>Baylor Soltero CV Research, Dallas, TX</i>  Vanessa Pico <i>GI Alliance, Phoenix, AZ</i>  Timothy Edward Ritter, MD <i>GI Alliance, Coppell, TX</i>		

# SPEAKER BIOS



## Rajarshi Banerjee, PhD

Rajarshi Banerjee, Ph.D. has served as our Chief Executive Officer and a member of our board of directors since November 2012. Prior to co-founding Perspectum in 2012, Dr. Banerjee was a research fellow at the University of Oxford and developed the magnetic resonance imaging techniques for rapid non-invasive liver assessment and commercialized the method as LiverMultiScan, which has received 510(k)

clearance from the FDA and is used in over 420 sites. Dr. Banerjee continues to work as a consultant physician with the Oxford University Hospitals NHS Foundation Trust, with research into the phenotyping of liver disease at an individual and population level in adults and children.

Dr. Banerjee has many years of experience in running clinical trials and working in multidisciplinary scientific teams to develop applications for cutting-edge imaging technology and is a keen advocate of smart trial design. Dr. Banerjee received a BM. BCh. in Medicine and a Ph.D. in Cardiovascular Health from the University of Oxford, as well as a MSc. in Public Health from the London School of Hygiene and Tropical Medicine.



## Ricardo Correa, MD, EsD, FACP, FACE, FAPCR, FACMQ

Ricardo is the Program director for Endocrinology, diabetes and metabolism fellowship and the director for diversity of Graduate Medical education at the University of Arizona College of Medicine-Phoenix, Staff Clinician and Researcher at Phoenix VAMC and Faculty at Mayo School of Medicine, Mayo Clinic-Arizona and Creighton

SOM-Phoenix campus. He is editor of Dynamed, SGIM Forum, JGIM and outreach unit director of Endotext.org and Thyroid manager and multiple other journals.

He completed his Medical School and Education Master at University of Panama. He completed a research fellowship in Epidemiology and Tropical disease at ICGES in Panama City and his internal medicine residency at Jackson Memorial hospital-University of Miami (UM) program. In 2012, he was honored with the AOA and GoldDOC Award. Then he pursued his clinical and research fellowship in endocrinology, diabetes and metabolism with special focus in neuroendocrine research at NIH.

He was trained in Evidence-based Medicine at McMaster University in Canada and in Editorial process and OJS by LATINDEX.

Dr. Correa has been involved in multiple academic, scientific and educational activities. Dr. Correa has published more than 55 papers in peer review journal, has one NIH Grant and is part of multiple scientific journal editorial committees, etc. Also, he is consultant for Latin-American science center including Bolivia and Panama national science department. He is a national speaker for adrenal and pituitary topic as well as healthcare disparities and transgender.

He is board certified in Medical Quality. He is the editor and co editor of the book title "Case report: basics and publication" and "Endocrinology of Aging". His research is focus on the study of long-term consequences of hormonal replacement therapy on transgender population, subclinical Cushing and adrenal incidentaloma and using peer support system to decrease the burden of diabetes complications in underserved Hispanic population in different region of the country. Besides this he is doing a collaboration with other GME community on how to improve recruitment into GME.



## Cara East, MD, FAPCR

Dr. East has been involved in clinical research for 34 years, performing over 100 phase 2 and phase 3 trials as the principal investigator. While basic science finds new products to be tested, only clinical research can test the products in humans to see the actual advantages and risks. "If you take a medication, thank a research patient." She has over 35 publications, has been

a National Leader for 2 trials, and is the chair of the DSMB for an NIH trial.

She previously served as the President of the APCR and strongly agrees with its mission, to support and educate physicians in clinical research.



## Michael J. Koren, MD, FACC, FAPCR, CPI

Michael J. Koren, MD, practices cardiology and serves as the Chief Executive Officer at Jacksonville Center for Clinical Research (JCCR). He founded JCCR which has conducted over 2500 clinical trials at 8 locations in Florida since 1997.

He received his medical degree cum laude at Harvard Medical School, and completed residency in internal medicine, chief residency and fellowship in cardiology at New York Hospital/Memorial Sloan-Kettering Cancer Center/Cornell Medical Center.

Dr. Koren is a fellow of the American College of Cardiology. He is a fellow and past president of the Academy of Physicians in Clinical Research and past president of the regional chapter of the American Heart Association. As a principal investigator, Dr Koren has led more than 500 clinical trials on hypercholesterolemia, cardiovascular disease, and heart failure. He participates in the Cholesterol Treatment Trialist Collaboration based in Oxford.

Dr. Koren's research has been published in peer-reviewed journals including Journal of the American College of Cardiology, Circulation, New England Journal of Medicine, and The Lancet. He has lectured nationally and internationally on topics such as lipid-lowering therapy and preventive cardiology.

Currently he oversees active protocols developing COVID-19 vaccines and early phase research in preventative cardiology.



## Chaitanya Mamilopalli, MD, MRCP, FAPCR

Dr. Mamilopalli is an endocrinologist with a strong interest in harnessing the power of data analytics and machine learning to identify gaps in health care and devise interventions to ensure that patients receive quality medical care. He is intellectually curious and aspires to work at the intersection of technology and health care and use his expertise in developing innovative health care products and services.



## Piyush Mathur MD, FCCM

Piyush Mathur MD, FCCM is a Staff Anesthesiologist and Critical Care physician at Cleveland Clinic, Ohio with more than 20 years of clinical experience. He is also the Quality Improvement Officer and Chair, Compliance Committee, Anesthesiology Institute, Cleveland Clinic. After completing his medical school training from Armed Forces Medical College (AFMC,

Pune, India), he completed residency in Anesthesiology and fellowship in both, Critical Care and Quality at Cleveland Clinic. He is the past program director of the anesthesiology critical care fellowship program at Cleveland Clinic.

A recognized leader in critical care, quality, education and artificial intelligence applications in healthcare, he has led many of the local and national programs including serving as the chair of postgraduate education committee, coding and documentation education committee of the Society of Critical Care Medicine (SCCM). He is currently a member of CPT editorial advisory committee, AMA (American Medical Association). Trained in computer programming, machine learning and deep learning, he is the founder of BrainX, an AI in healthcare application research and development company. He also founded, one of the largest groups for machine learning in healthcare, BrainX Community.

# SPEAKER BIOS



**Vanessa Pico**

Vanessa Pico is the Senior Director in charge of overseeing the GI Alliance Research strategic vision and leading business decisions to drive research growth across the organization. She works collaboratively with GI Alliance leadership team, implements strategic plans for research development, and manages relationships with stakeholders.



**James H. Powell, MD**

Dr. James H. Powell is a graduate of Virginia Union University, and a graduate and former Assistant Professor at Weill Cornell Medical College. He spent 24 years as a clinical research executive in the pharmaceutical industry, served on the Board of Trustees of the American Academy of Pharmaceutical Physicians and Investigators and received its Lifetime Honorary Membership Award. He has served as Principal Investigator for the National Medical Association's Project IMPACT (Increase Minority Participation and Awareness of Clinical Trials). In this capacity, he designed and directed programs to develop diverse physicians as clinical investigators and educate thousands of consumers in diverse communities on the benefits, processes, and protections in clinical trials. He is a past member of the Secretary's (HHS) Advisory Committee on Human Research Protections, Baylor College of Medicines EDICT Project (Elimination of Disparities in Clinical Trials) and a charter member of Alliance of Multicultural Physicians advocating for clinical trial inclusion. He currently sits on the Board of Closing the Health Gap, a community health advocacy organization in Greater Cincinnati, and is co-Founder and Chief Medical Officer of knowRX, Inc. dba knowRX Health, a company focused on innovations in the delivery of equity in therapeutics.



**Timothy Ritter, MD**

Timothy Ritter, MD, is a board certified gastroenterologist and has been in private practice with the GI Alliance for since 1993. He is a graduate of Texas A&M University and UT Southwestern Medical School in Dallas. He did his residency in Internal Medicine and Fellowship in gastroenterology at UT Southwestern / Parkland Memorial Hospital. He is currently the senior medical director at the GI Alliance and oversees the department of clinical research and educations. His primary interest is inflammatory bowel disease where he has served as the primary investigator on numerous trials.



**Harry Sarles, MD, FAPCR**

Dr. Sarles completed his residency in internal medicine at the University of Texas Medical Branch at Galveston and his fellowship in gastroenterology at V.A. Hospital in Phoenix, Arizona. He is currently practicing gastroenterology with Digestive Health Associates of Texas, P.A. in Rockwell, Texas and is the Medical Director & Principal Investigator with DHAT Research Institute. He is also the current president of the Academy of Physicians in Clinical Research.



**Johnson Thomas, MD, FACE**

Johnson Thomas, MD, FACE is the section chair of Mercy Endocrinology, Springfield, Missouri. He is also an associate faculty at Missouri State University. Dr. Thomas practices general endocrinology with a focus on thyroid nodules and thyroid cancer. He is a recipient of the Kenneth Simcik Award for academic excellence in endocrinology and researcher of the year award from Mercy ministry.

Dr. Thomas has been writing computer programs since 6<sup>th</sup> grade. He developed Endo Tools, an iPhone app for endocrinologists, which has been used by more than 3000 endocrinologists all over the world. He is also the creator of TUMscore, a machine learning tool to predict thyroid cancer. His main research focus is on the application of artificial intelligence in the risk stratification of thyroid nodules. He has created a unique explainable artificial intelligence model - AIBx, which uses image similarity techniques. Dr. Thomas has also written reviews and book chapters on the application of AI in healthcare.



**Michael Ybarra, MD, FACEP, FAPCR**

Michael Ybarra, MD, FACEP, FAPCR is a board-certified emergency physician and Vice President and Chief of Medical Affairs at PhRMA. In his capacity at PhRMA, Dr. Ybarra leads stakeholder outreach on federal and international health policy issues and PhRMA's internal and external medical affairs engagement. Dr. Ybarra continues to work clinically in the Emergency Department at MedStar Georgetown University Hospital.

## SUPPORT THE MANSFIELD MEMORIAL LECTURE



APCR has established the Mansfield Memorial Lecture to honor Dr. Lyndon Mansfield, who served as APCR President from 2019 – 2020. Dr. Mansfield died on July 14th, 2021. He was a trailblazer in the allergy and asthma field and respected by his colleagues. Dr. Mansfield graduated with a Doctor of Medicine degree from Thomas Jefferson Medical School and practiced pediatrics, allergy and immunology for more than 50 years including as a physician in the US Army. He was dedicated to serving APCR and connecting fellow physicians in the clinical research field.



The Lecture will be presented each year at the APCR Annual Meeting. Donate to support the Lecture at [APCRnet.org/donate](https://www.apcrnet.org/donate).

The logo for the Academy of Physicians in Clinical Research (APCER) is displayed within a white rounded rectangle. The letters 'AP' are in a light green color, 'C' is in a dark blue color, and 'ER' is in a dark blue color with a white caduceus symbol integrated into the letter 'R'.

Academy of Physicians  
in Clinical Research

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