The CME-accredited symposium, 14th International Symposium on Ventricular Arrhythmias: Pathophysiology & Therapy will be presented Friday - Saturday, October 11 - 12, 2019 at the Hyatt at the Bellevue, 200 South Broad Street, Philadelphia, PA 19102. Please review the exhibitor agreement and the course brochure with agenda.

Exhibit space is available during this event at $3,000.00 for one day or $4,000.00 for both days. Each exhibitor will receive a standard 8’ table. A tablecloth and electric will be provided, if needed. Your company will be acknowledged in the conference materials, on the signage and by the course director(s) during the welcome address. Exhibits will be set-up in the lobby, just outside of the ballroom. This high-traffic area will be designated for registration, breaks & lunch. We anticipate approximately 300 attendees and speakers. Please act quickly as space is limited!

Program Overview & Target Audience
The purpose of this educational activity is to provide a current review of new information on the basic pathophysiology of ventricular arrhythmias; to provide an in-depth understanding of the various management strategies that are currently being developed for the management of ventricular arrhythmias in various disease states, including non-pharmacologic therapies such as implantable device therapy and advances in catheter ablation techniques. This course has been developed to meet the educational needs of electrophysiologists, cardiologists and other physicians and associated professionals with an interest in the pathophysiology and management of ventricular arrhythmias.

If you are interested in reserving exhibit space, please complete and sign the attached Exhibitor Agreement and return it along with your exhibit fee to:

Crystal Mathis
Conference/Project Manager
Continuing Medical and Interprofessional Education at Penn Medicine
3620 Hamilton Walk, 150 Anatomy/Chemistry
Philadelphia, PA 19104-6061
Email: ycry@upenn.edu
https://upenn.cloud-cme.com/vt2019
Exhibitor Agreement

14th International Symposium on Ventricular Arrhythmias: Pathophysiology and Therapy
Friday - Saturday, October 11 - 12, 2019

Company Name:__________________________________________________________ ("Exhibitor")

☐ Exhibit Fee: $3,000.00 per Tabletop Exhibit - 1 Day (Please Indicate - October 11☐ or October 12☐)
☐ Exhibit Fee: $4,000.00 per Tabletop Exhibit - 2 Days

# of Tables Requested____1____ @ $______,000.00 each = $__________________

Representative Names (only 2 representatives will be allowed on-site):

1)____________________________________ 2)____________________________________

Email: __________________________________ Email: __________________________________

Phone: __________________________________ Phone: __________________________________

Fax: __________________________________ Fax: __________________________________

Terms & Conditions

All exhibitors are provided with an 8’ table and chairs. Set-up begins on Friday, October 11, 2019 at 5:45 am. If you require additional set-up time, please contact us, and we will assist in any way we can. Exhibitors should expect participants to begin arriving at 6:45 am. Although the exhibit area is secured, vendors are discouraged to leave any valuable items, such as laptops or phones unattended.

Breakdown of exhibits must be completed by 5:00 pm on Saturday, October 12, 2019.

Display Information

Exhibitors are responsible for supply, set-up, takedown, delivery, and any additional costs of display needs beyond the 8’ skirted table. Please let us know what your needs are so that we can accommodate your display:

Will you be bringing your own tablecloth?  □ Yes  □ No

Will you need electricity for your display?  □ Yes  □ No

Will you bring your own extension cord?  □ Yes  □ No

What type of equipment is being displayed (lights, machines, etc.)?______________________________________________

How many pieces of equipment need electricity?_____________

Do any machines require any special outlets for operation? Name outlet type: ________________________________

What additional information regarding your exhibit should we know?______________________________________________
Meeting Location & Display Details
14th International Symposium on Ventricular Arrhythmias: Pathophysiology and Therapy will be held Friday - Saturday, October 11 - 12, 2019 in the Grand Ballroom at the Hyatt at the Bellevue, 200 South Broad Street, Philadelphia, PA 19102.

Tables will be designated. Continental breakfast and breaks will be set-up among the exhibits in the foyer. Each exhibitor can expect to receive one 8’ skirted table and two chairs. Please be sure your exhibit materials fit within the specs of 8’x8’. If needed, you are welcome to purchase additional booth space.

Overnight Information
A limited number of rooms have been reserved at the Hyatt at the Bellevue at a special group rate of $269 per night single/double occupancy. Taxes are 15.5% per room per night and are subject to change. We recommend you make a reservation as soon as possible since there are a limited number of rooms available. Please call the Bellevue at the Hyatt reservations directly at 215-893-1234 or 1-800-GO-HYATT. Identify yourself as a “Penn VT Symposium” participant. This room block is available until September 20, 2019 or until the block is full.

The Warwick at Rittenhouse Square: Located at 220 S. 17th Street, Philadelphia, PA (about two blocks away from the Hyatt). Please visit the Warwick reservations directly at www.warwickrittenhouse.com or call 215-735-6000.

Club Quarters Hotel: Located at 1628 Chestnut Street, Philadelphia, PA (about two blocks away from the Hyatt). Please visit Club Quarters reservations directly at memberservices@clubquarters.com or call 203-905-2100.

Attendee Registration
If you would like to attend any or all of the sessions during 14th International Symposium on Ventricular Arrhythmias: Pathophysiology and Therapy, you must complete the registration form either online or by fax or mail and submit payment. Please visit https://upenn.cloud-cme.com/vt2019 for registration and additional conference information. Please note: If you intend to exhibit and attend the conference, then you must also register and pay the conference registration fee.

*****************************************************************************

Shipping Information
(Please label all boxes with the following information)

Hyatt at the Bellevue
200 South Broad Street
Philadelphia, PA 19102
Attention: Amanda Dinan /Ansheai Spence
215-893-1234

HOLD FOR CONFERENCE
Ansheai Spence/Amanda Dinan
14th International VT Symposium
October 11 - 12, 2019

[YOUR COMPANY] • [REPRESENTATIVE’S NAME]
Package #________ of ________

Please do not ship any materials to the venue before Thursday, October 10, 2019
Payment Methods (check the one that applies):

- [ ] Check

Make your check payable to the **Trustees of the University of Pennsylvania/CME** and return it with the completed exhibit agreement to the address below (Our Tax ID number is 23-1352685):

Crystal Mathis  
Office of Continuing Medical Education  
Perelman School of Medicine at the University of Pennsylvania  
150 Anatomy Chemistry Building, 3620 Hamilton Walk  
Philadelphia, PA 19104

- [ ] Credit Card *(DO NOT INCLUDE CREDIT CARD INFORMATION ON THIS FORM)*

If paying by Credit Card, you may fax or email this completed form.  
Fax: 215-898-1888 or Email: ycry@upenn.edu  
You will then be contacted by Crystal Mathis to complete the transaction.

Contact Person: ________________________________________________________________  
Phone: ________________________________________________________________  
E-Mail: ________________________________________________________________

Questions: **Elizabeth Butler**: 215-898-6126 or **Crystal Mathis** or 215-746-8133

***A wire transfer is also available for payment***

Please contact Crystal Mathis at ycry@upenn.edu for further instructions

Terms & Conditions

Educational activities in the exhibit area which appear to compete with the scientific program and present research results that are being presented concurrently in the scientific program are prohibited. This includes, but is not limited to, displaying posters or other promotional materials summarizing research results, promoting meeting faculty, or distributing meeting materials such as syllabi, handouts, slides, or invitations.

The only activities which may be appropriate in exhibits are for the purpose of informing meeting participants about an organization and its products and services.

The distribution (either for free or for sale) of educational enduring materials on-site that award CME credit, including but not limited to full-text reprints or copies of articles or journal self-study programs, audiotapes, videotapes, or CD ROMs, is prohibited.

Exhibitor assumes entire responsibility for all claims, losses, costs, expenses, and damages to persons or property, as well as governmental charges or fines and attorney’s fees arising out of or caused by Exhibitor’s installation, removal, maintenance, occupancy, or use of the exhibition premises or a part thereof.

In addition, Exhibitor does not hold the meeting venue or the University of Pennsylvania responsible for maintaining insurance to cover Exhibitor’s property.

By signing below, you agree to the terms and conditions of this agreement.

______________________________________________________________________________

Authorized Exhibitor Representative  
Date
14th International Symposium on
VENTRICULAR ARRHYTHMIAS:
Pathophysiology & Therapy
www.vtsymposium.com
https://upenn.cloud-cme.com/vt2019

Friday & Saturday
October 11-12, 2019
Hyatt at the Bellevue
200 South Broad Street
Philadelphia, PA 19102
A CME-ACCREDITED COURSE

Co-hosted by:
Hospital of the University of Pennsylvania
The Mount Sinai Hospital

Co-sponsored with:

Course Directors
Francis Marchlinski, MD
David Callans, MD
Vivek Reddy, MD
Andre d’Avila, MD, PhD
Srinivas Dukkipati, MD
Program Overview
The purpose of this educational activity is to provide a current review of new information on the basic pathophysiology of ventricular arrhythmias; to provide an in-depth understanding of the various management strategies that are currently being developed for the management of ventricular arrhythmias in various disease states, including non-pharmacologic therapies such as implantable device therapy and advances in catheter ablation techniques.

Hosting Organizations
The 14th International Symposium on Ventricular Arrhythmias: Pathophysiology & Therapy is hosted by the Department of Medicine, Division of Cardiology, University of Pennsylvania Health System, Philadelphia, PA and the Division of Cardiology, The Mount Sinai Hospital, New York, NY.

Target Audience
This course has been developed to meet the educational needs of electrophysiologists, cardiologists and other physicians and associated professionals with an interest in the pathophysiology and management of ventricular arrhythmias.

Program Objectives
1. Provide a review of new information on the basic pathophysiology of ventricular arrhythmias
2. Provide an in-depth understanding of current management strategies used for the care of ventricular arrhythmias in various disease states, including non-pharmacological therapies such as implantable device and catheter ablation techniques.

At the conclusion of this symposium, participants should be able to:
- Discuss strategies to improve treatment outcome in patients with ventricular arrhythmias and structural heart disease including new techniques and technologies
- Discuss the current status and future role for device therapy in the management of sudden cardiac death and heart failure.
- Discuss the role of new techniques for VT substrate assessment including functional scar imaging, intra procedure MRI, and high density mapping
- Describe risk stratification for sudden death and treatment including VF ablation in patients with VF due to various substrates and syndromes
- Identify the challenges related to treatment of PVCs and idiopathic VT
• Describe the science critical to the understanding and treatment of ventricular arrhythmias including:
  – The role of the autonomic nervous system in ventricular arrhythmogenesis
  – Anatomic substrate for ventricular tachycardia (VT)
• Describe the status of ongoing multicenter VT related trials and discuss future directions and questions to be answered

Accreditation
In support of improving patient care, Penn Medicine 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.

Designation of Credit
Physicians: Penn Medicine designates this live activity for a maximum of 18.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Assistants: AAPA accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of 18.25 Category 1 credits for completing this activity.

Certificates and Transcripts
After the conference has concluded, all participants will receive a follow-up email with instructions and a link with instructions on how to claim their credit. Once participants submit the request for credit, the earned credits will be available for viewing on your transcript or available for printing at https://upenn.cloud-cme.com. Please note that the individual certificate will not be mailed.
Disclosures
Penn Medicine, Office of Continuing Medical and Interprofessional Education, adheres to the ACCME Standards for Commercial Support. Faculty disclosure information will be made available in the conference materials and syllabus. Faculty members are also expected to disclose to participants any discussions of off-label and/or investigational uses of pharmaceutical products within their presentations.

Registration Fees
Prior to September 6, 2019 the early registration fees for the 14th International Symposium on Ventricular Arrhythmias: Pathophysiology & Therapy are $525 for physicians & industry employees and $275 for all other healthcare professionals, residents and fellows. On or after September 6, 2019 the registration fees for the 14th International Symposium on Ventricular Arrhythmias: Pathophysiology & Therapy are $600 for physicians & industry employees and $350 for all other healthcare professionals, residents and fellows.

The registration fee includes tuition, a course booklet with access to presentations online, link to credit certificate, continental breakfasts, breaks and lunches.

If you are registering with a credit card, please register online at https://upenn.cloud-cme.com/vt2019. You must log-in with your Penn ID or your email and password or if you do not already have a profile, you must create one before you can register for an event. We cannot accept faxed or mailed registration forms with credit card information. To pay by check, complete the registration form and mail it in with your check. Please see the registration form for mailing information. Please note: mailed registrations can take up to 5-10 business days before they are received. All registrations will be confirmed by email as long as your registration is received no later than September 27, 2019.

For VT Symposium Information Contact:
Carolyn Siwinski or Erica Zado
Hospital of the University of Pennsylvania
Tel: 215-662-6005 | Fax: 215-662-2879
Website: www.vtsymposium.com
Email: carolyn.siwinski@uphs.upenn.edu or erica.zado@uphs.upenn.edu (Subject: VT Symposium)

Cancellation and Refund Policy
In order to process refunds for course withdrawals, cancellations must be received in writing by September 27, 2019 (subject to a service charge equivalent to 10% of the registration fee, but no less than $25.00). No refunds will be issued thereafter. The University reserves the right to cancel or postpone any course due to unforeseen circumstances. In the event of cancellation or postponement, the University will refund registration fees but is not responsible for related costs or expenses to participants, including cancellation fees assessed by hotels, airlines, and travel agencies.
Meeting Location and Parking

The 14th Annual International Symposium on Ventricular Arrhythmias: Pathophysiology & Therapy will take place at the Hyatt at the Bellevue, 200 South Broad Street, Philadelphia, PA 19102. The hotel's main number is 215-893-1234. Please visit the Hyatt website at www.philadelphiabellevue.hyatt.com for directions and additional information.

The Hyatt at the Bellevue Philadelphia offers valet services and a self-parking garage. Parking and associated fees are not included in the registration fee and will not be validated.

Overnight Options

Hyatt at the Bellevue: A limited number of rooms have been reserved at the Hyatt at the Bellevue at a special group rate of $269 per night single/double occupancy. Taxes are 15.5% per room per night and are subject to change. We recommend you make a reservation as soon as possible since there are a limited number of rooms available. Please call the Bellevue at the Hyatt reservations directly at 215-893-1234 or 1-800-GO-HYATT. Identify yourself as a “Penn VT Symposium” participant. This room block is available until September 20, 2019 or until the block is full.

Alternate Options

The Warwick at Rittenhouse Square
220 S. 17th Street
Philadelphia, PA 19103
http://www.warwickrittenhouse.com/
215-735-6000

Club Quarters Hotel
1628 Chestnut Street
Philadelphia, PA 19103
https://clubquartershotels.com/locations/club-quarters-hotel-philadelphia
215-282-5000

Services for the Disabled If special arrangements are required for an individual with a disability to attend this meeting, please contact the Office of Continuing Medical Education no later than September 27, 2019 at 215-898-6400.

Nondiscrimination Statement The University of Pennsylvania values diversity and seeks talented students, faculty, and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic origin, age, disability, or status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic, or other University administered programs or employment. Questions or complaints regarding this policy should be directed to Executive Director, Office of Affirmative Action and Equal Opportunity Programs, 3600 Chestnut Street, Sansom Place East Suite 228, Philadelphia PA 19104-6106 or 215-898-6993 (Voice) or 215- 898-7803 (TDD). www.upenn.edu/affirm-action
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Tel Aviv, Israel

David Wilber, MD
Loyola University Medical Center
Chicago, IL

Katja Zeppenfeld, MD
Leiden University Medical Center
Leiden, Netherlands
Session I
New Concepts in Risk Stratification
Moderators – David Callans, MD; Samee Dukkipati, MD

9:00 – 9:10 AM Discussion

Opening Remarks
Francis Marchlinski, MD

9:10 – 9:20 AM
Registration and Continental Breakfast

9:20 – 9:25 AM
AGENDA

Session II
VT in NICM
Moderators – Paolo Della Bella, MD; Vivek Reddy, MD

8:55 – 9:05 AM
Sudden Death Risk in Patients with PVCs
Daniele Musumeci, MD

8:10 – 8:20 AM
Racial Differences in SCD Risk
Francis Kothari, MD

8:20 – 8:55 AM
Session III
Ventricular Tachycardia: Important Considerations
Moderators – Andrew D’Avila, MD, PhD; William Stevenson, MD

10:35 – 10:45 AM
Phenotype Classification of VF Associated with Structurally Normal Hearts
Michel Haisaguirre, MD

10:45 – 10:55 AM
Ablation of PVC Triggered VF
Samuel Asirvatham, MD

10:55 – 11:05 AM
Polymorphic VT in Coronary Heart Disease
Samee Dukkipati, MD

11:05 – 11:15 AM
Endocardial Mapping and Ablation of VF
David Krummen, MD

11:15 – 11:25 AM
Induction of VF During PES, Non-random Patterns?
Timon Dickfeld, MD, PhD

11:25 – 11:50 AM Discussion

11:50 – 12:00 AM Pick up box lunch

12:00 – 2:00 PM Live Cases With Working Lunch
Live Cases from Hospital of the University of Pennsylvania
Moderator: Francis Marchlinski, MD
Operators: David Callans, MD; Pasquale Santangeli, MD; Robert Gentles, MD; Gregory Speroff, MD; Furman Garcia, MD; Jeffrey Arkles, MD; Ramanan Kumareswaran, MD; Robert Schaller, DO; Matthew Hyman, MD, PhD; David Liu, MD
Panel: Andre d’Avila, MD, PhD; Luigi Di Biase, MD; PhD; Vivek Reddy, MD; William Stevenson, MD; Paolo Della Bella, MD; Pierre Jas, MD

2:00 – 2:20 PM Break

Session IV
Device Therapy
Moderators – Andrew Epstein, MD, Eric Pyszewski, MD

2:20 – 2:30 PM
Natural History of Arrhythmias After ICD Implant: PREDICT Lessons
Paolo Della Bella, MD

2:30 – 2:40 PM
Reynchronization with His and LV Pacing
Kenneth Ellenbogen, MD

2:40 – 2:50 PM
Should DFT Testing be Required in S-ICD?
Michal Gold, MD, PhD

2:50 – 3:00 PM
New Leadless ICD Technologies
Martin Burke, DO

3:00 – 3:10 PM
Does Recovery of EF Preclude ICD Generator Replacement?
Sanjay Dixit, MD

3:10 – 3:20 PM
PROTECT-ICD Study: Programmed Stimulation Post MI
Framchou Kouris, MBBS, PhD

3:20 – 3:30 PM Discussion

3:45 – 4:05 PM Break

Session V
Physiology of VT
Moderators – David Callans, MD; Vivek Reddy, MD

4:05 – 4:15 PM
The Footprint Study: Evolution of Post MI VT Substrate
Antonio Berruezo, MD, PhD

4:15 – 4:25 PM
Is the VT Circuit Fixed or Functional? Insights from Differential Wavefront Mapping
Rodrick Tung, MD

4:25 – 4:35 PM
Role of His-Purkinje System in VT
John Miller, MD

4:35 – 4:45 PM
Wavefront and Frequency Mapping in Post MI VT
Eldar Aster, MD

4:45 – 5:05 PM
VT Post MI: Where is the Parasympathetic Nervous System?
Marmar Vasgul, MD

4:55 – 5:20 PM Discussion

Session VI
Radioablation for VT
Moderators – Douglas Packer, MD; Vivek Reddy, MD

5:10 – 5:30 PM
Epidural Exit Sites May Not Localize VT Circuits
Eugene Downar, MD

5:30 – 5:40 PM
Cardiac Radioablation: Lessons Learned
Philip Cacchialdi, MD

5:40 – 5:50 PM
Stereotactic Radiosurgery for VT
Joel Kautzer, MD, PhD

5:50 – 6:00 PM
Proton Beam Ablation for VT/VF
Gerhard Hindricks, MD

6:00 – 6:06 PM
Late Effects of Radiotherapy to the Heart: Beware
Andrea Natala, MD

6:06 – 6:30 PM Discussion

6:30 – 7:30 PM Welcome Reception

Saturday, October 12, 2019

Session IX
VT in Inflammatory Cardiomyopathy
Moderators – David Callans, MD; Andre d’Avila, MD; PhD

10:40 – 10:50 AM Basics of PT Imaging
Paco Bravo, MD

10:50 – 11:00 AM Is ICD an Inflammatory Cardiomyopathy?
Marc Miller, MD

11:00 – 11:10 AM Is Brugada Syndrome an Inflammatory Cardiomyopathy?
Pasquale Santangeli, MD

11:10 – 11:30 AM Debate: Ablation Should be Used for VT in the Inflammatory Phase of Cardiac Sarco
Thomas Denke, MD

11:30 – 11:50 PM Discussion

12:00 – 12:50 PM Annual Mark E. Josephson VT Innovation Award
Moderators – David Callans, MD; Francis Marchlinski, MD; Vivek Reddy, MD; Samee Dukkipati, MD; Andre d’Avila, MD; PhD

Session X
VT Ablation in Advanced Heart Failure
Moderators – Pasquale Santangeli, MD; Vivek Reddy, MD

8:40 – 8:50 AM Clinical Trials: Are We Asking the Right Questions?
David Wilber, MD

8:50 – 9:00 AM Less VT Study – Goals and Enrollment
Andrea Natala, MD

9:00 – 9:10 AM VANISH Substitudes and VANISH 2
John Sapp, MD

9:10 – 9:20 AM Sacral Consortium
Frank Bogun, MD

9:20 – 9:30 AM IVTCC 2
Jason Bradford, MD

9:30 – 9:40 AM LV Summit VI: Multicenter Registry
Fa-Po Chung, MD

9:40 – 9:50 AM MR Signature of VT Risk Post MI
Christian de Chillou, MD, PhD

9:50 – 10:20 AM Discussion

Session XI
New Concepts for VT Imaging and Mapping
Moderators – David Callans, MD; Sevanas Dukkipati, MD

1:50 – 2:00 PM Multicenter Study of CT Channel-based Ablation
Pierre Jais, MD

2:00 – 2:10 PM Value of MR Imaging in Recurrent VT Post Ablation
Frank Bogun, MD

2:10 – 2:20 PM Real-time MR for RF Lesion Characterization
Henry Halperin, MD

2:20 – 2:30 PM Intersection Physics and Imaging
Saman Nazarian, MD, PhD

2:30 – 2:40 PM Rapid Wavefront VT Localization
John Sapp, MD

2:40 – 2:50 PM ECM Imaging for Localizing VT
Harkrishna Tandon, MD

2:50 – 3:15 PM Discussion

3:15 – 3:35 PM Break

Session XII
New Ablation Technologies
Moderators – Andre d’Avila, MD, PhD; Hiroshi Nakagawa, MD

3:35 – 4:35 PM Overview of New Technologies
David Haines, MD

3:45 – 3:55 PM Electroporation for Ventricular Ablation
Jack Tanna, MD

3:55 – 4:05 PM SERF Ablation
Atul Verma, MD

4:05 – 4:15 PM Update on Bipolar Ablation
Sevanas Dukkipati, MD

4:15 – 4:25 PM Lattice Tip Catheter Ablation
Vivek Reddy, MD

4:25 – 4:35 PM Discussion

4:55 – 5:00 PM Closing Comments
Francis Marchlinski, MD
14th International Symposium on
VENTRICULAR ARRHYTHMIAS:
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Friday and Saturday
October 11-12, 2019

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