

# 49th International Congress on Electrocardiology

## Preliminary program

### Wednesday, June 12, AM

Plenary lecture (Morning)			
June 12 09.00-09.30	<b>Bill McKenna</b>	UK	Actionability of genetics in hypertrophic cardiomyopathy: potential for conventional and novel gene therapies

Parallel sessions (Morning)			
June 12 09.40-10.40	<b>1.1 Whole heart modeling</b>		
	<b>Molly Malekar</b>	Norway	Computational cardiac physiology for new modelers: origins, foundations and future
	<b>Mark Potse</b>	France	Modeling the heart at the micrometer scale
	<b>Axel Loewe</b>	Germany	Computational modeling and simulation of the ECG as an enabling technology for machine learning
June 12 09.40-10.40	<b>1.2 ECG in Acute Coronary Syndrome</b>		
	<b>Marina Demidova</b>	Sweden	Ventricular arrhythmias and acute coronary syndrome
	<b>Jan Azarov</b>	Russia	ECG prediction of ventricular fibrillation in experimental myocardial ischemia: from the heart to the body surface
	<b>Kjell Nikus</b>	Finland	ECG challenges in acute STEMI diagnosis
	<b>Pablo Laguna</b>	Spain	ECG signal analysis under ischaemia, and its relation with infarct size, arrhythmia risk and occluded artery
June 12 09.40-10.40	<b>1.3 Cardiogenetics Part 1</b>		
	<b>Wojciech Zareba</b>	USA	Risk stratification in LQTS
	<b>Emanuela Locati</b>	Italy	New ECG methodologies and new criteria for risk stratification in channelopathies
	<b>Alex Christensen</b>	Denmark	Familial ST depression syndrom - New channelopathy?
	<b>Mark Haigney</b>	USA	Post-mortem genetic testing

June 12 11.10-12.10	<b>2. Oral abstract parallel sessions</b>		
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**Wednesday, June 12, PM****Plenary lecture**

June 12 13.30-14.00	<b>Natalia Trayanova</b>	USA	Digital twins for personalized medicine in cardiovascular disease
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**Plenary session**

June 12 14.10-15.10	<b>3. Computing in Cardiology session</b>		
	<b>Rob MacLeod</b>	USA	Imaging and ECG
	<b>Pablo Laguna</b>	Spain	Automatic ECG signal analysis for retrieving relevant, visible or hidden, information
	<b>Maria Guillem</b>	Spain	Modeling and simulation for understanding arrhythmia mechanisms and quantifying the accuracy of signal processing methods
	<b>Gari Clifford</b>	USA	The PhysioNet Challenges: public data, code and foundational models for cardiology

**Parallel sessions**

June 12 15:30-16.30	<b>4.1 AI in Electrocardiology</b>		
	<b>Martin Stridh</b>	Sweden	Artificial intelligence in electrocardiology - possibilities and challenges
	<b>Sam Johnston</b>	USA	Artificial intelligence for evaluation of syncope patients
	<b>Tom Ribeiro</b>	Brazil	AI-ECG in epidemiology
	<b>David Albert</b>	USA	How has AI changed computerized ECG interpretation
June 12 15:30-16.30	<b>4.2 ECG Imaging</b>		
	<b>Matthijs Cluitmans</b>	The Netherlands	Noninvasive detection of spatiotemporal activation and repolarization through ECGi
	<b>Maria Guillem</b>	Spain	Therapy delivery guidance in the EP lab with imageless ECGi
	<b>Peter van Dam</b>	The Netherlands	Localisation of the ventricular pacing site from BSPM and 12-lead ECG
	<b>Mikhail Chmelevsky</b>	Switzerland	12-lead ECG-based noninvasive epi-endocardial mapping in heart failure patients with non-LBBB
June 12 15:30-16.30	<b>4.3 Device therapy</b>		
	<b>Frieder Braunschweig</b>	Sweden	ICD for sudden cardiac death prevention: still needed?
	<b>Bulent Gorenek</b>	Turkey	2023 HRS Expert Consensus Document on Arrhythmias During Pregnancy
	<b>Rasmus Borgquist</b>	Sweden	ECG-based prediction of the outcome of device therapy
	<b>Niraj Varma</b>	USA	How should I electrically optimize CRT - QRS, UHF-ECG or ECGi?

June 12 16:30-17:30	<b>Poster reception</b>		
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**Thursday, June 13, AM****Plenary lecture**

June 13 09.00-09.30	<b>Hugh Calkins</b>	USA	Gene specific diagnosis and management of arrhythmogenic cardiomyopathy: where do we stand in 2024?
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**Parallel sessions**

June 13 09.40-10.40	<b>5.1 Cardiogenetics Part 2</b>		
	<b>Bill McKenna</b>	UK	Diagnostic criteria for hypertrophic cardiomyopathy revisited: importance of the electrocardiogram
	<b>Anneli Svensson</b>	Sweden	ECG phenotype in ARVC
	<b>Julia Cadrin-Tourigny</b>	Canada	ARVC: arrhythmic risk prediction to prevent sudden cardiac death
	<b>Kristina Haugaa</b>	Norway	Management of patients with LMNA-associated cardiomyopathy
June 13 09.40-10.40	<b>5.2 Syncope and Postural Orthostatic Tachycardia Syndrome</b>		
	<b>Artur Fedorowski</b>	Sweden	What's new in syncope diagnosis and management A.D. 2024?
	<b>Gary Tse</b>	Hong Kong	Arrhythmic syncope update
	<b>Sam Johnston</b>	USA	ECG analysis in patients with syncope
	<b>Thomas Kligenheben</b>	Germany	POTS - diagnostic and therapeutic update
June 13 09.40-10.40	<b>5.3 AF Screening</b>		
	<b>Emma Svennberg</b>	Sweden	Population-based AF screening in Sweden
	<b>Jesper Svendsen</b>	Denmark	Screening for atrial fibrillation using implantable loop recorders
	<b>Niraj Varma</b>	USA	Can wearables direct therapy for AF-antiarrhythmics, anticoagulation and neuromodulation
	<b>Jeff Healey</b>	Canada	When should I call it atrial fibrillation?

June 13 11.10-12.10	<b>6. Young Investigator Competition (Oral abstract plenary session)</b>		
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**Thursday, June 13, PM****Plenary lecture**

June 13 13.30-14.00	<b>Wojciech Zareba</b>	USA	Risk stratification for sudden cardiac death
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**Plenary session**

June 13 14.10-15.10	<b>7. ISE and ISHNE Session: Meet the Editor</b>		
	<b>Manlio Marquez</b>	Mexico	How to get published: 10 tips for young researchers
	<b>Emanuela Locati</b>	Italy	How to review a paper:
	<b>Linda Johnson</b>	Sweden	Is the IF a relevant metric?
	<b>Gary Tse</b>	Hong Kong	
	<b>Yochai Birnbaum</b>	USA	Panel discussion
	<b>Peter Macfarlane</b>	Scotland	
	<b>Vassilios Vassilikos</b>	Greece	

**Parallel sessions**

June 13 15.30-16.30	<b>8.1 ECG Processing and Interpretation: Part 1</b>		
	<b>Yochai Birnbaum</b>	USA	T-wave inversion in precordial leads
	<b>Kjell Nikus</b>	Finland	Typical and atypical bundle branch blocks
	<b>Pyotr Platonov</b>	Sweden	P-wave morphology variants: prevalence and relevance
	<b>Mark Haigney</b>	USA	The value of pre-participating screening
June 13 15.30-16.30	<b>8.2 Autonomic Nervous System and the Heart</b>		
	<b>Thomas Klingeneben</b>	Germany	Role of autonomic testing in noncardiac systemic diseases with cardiovascular symptoms
	<b>Sebastian Stec</b>	Poland	Cardioneuroablation - a word of hope
	<b>Artur Fedorowski</b>	Sweden	Cardiovascular dysautonomia - a common ground for syncope and post-COVID syndrome
	<b>Branislav Milovanovic</b>	Serbia	Syncope in patients with post-infection syndromes
June 13 15.30-16.30	<b>8.3 Arrhythmias in Infectious Diseases</b>		
	<b>Krzysztof Kaczmarek</b>	Poland	Atrial fibrillation management in infectious diseases and their complications
	<b>Iwona Cygankiewicz</b>	Poland	SCD prevention in infectious diseases
	<b>Tom Ribeiro</b>	Brazil	ECG and arrhythmias in Chagas disease
	<b>Vassilios Vassilikos</b>	Greece	What are we missing from data interpretation? A personal experience

**Plenary session**

June 13 16:30-17:30	<b>ISHNE General Assembly</b>		
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## Friday, June 14, AM

Plenary lecture			
June 14 09.00-09.30	<b>Igor Efimov</b>	USA	Soft transient bioelectronics: novel technology for pacing and defibrillation
Parallel sessions			
June 14 09.40-10.40	<b>9.1 Atrial myopathy</b>		
	<b>Uli Schotten</b>	The Netherlands	Morphological and electrical features of atrial cardiomyopathy
	<b>Yan Huo</b>	Singapore	Separation of left and right atria in patients with end-stage atrial myopathy
	<b>Linda Johnson</b>	Sweden	Atrial myopathy markers in the general population
June 14 09.40-10.40	<b>9.2 Ventricular arrhythmias</b>		
	<b>Mori Krantz</b>	USA	Cardiovascular and arrhythmia risk of drugs of abuse: FDA data
	<b>Sam Johnston</b>	USA	PVC-mediated cardiomyopathy
	<b>Bulent Gorenek</b>	Turkey	Management of ventricular storm in ICCU
	<b>Iwona Cygankiewicz</b>	Poland	Sudden cardiac death - are MADIT criteria still useful for risk stratification?
Parallel sessions			
June 14 11.10-12.10	<b>10.1 AF management</b>		
	<b>Rod Passman</b>	USA	Digital Health for AF management
	<b>Arnljot Tveit</b>	Norway	Rate control in AF - Do we know what is best?
	<b>Yan Huo</b>	Singapore	Low-voltage in left atrium: use in AF ablation and pitfalls
	<b>Takanori Ikeda</b>	Japan	Effect of active cancer on clinical outcomes in patients with AF
June 14 11.10-12.10	<b>10.2 ECG Processing and Interpretation: Part 2</b>		
	<b>Jørgen Kanter</b>	Denmark	Prognostic value of the QT interval
	<b>Juan Pablo Martinez</b>	Spain	ECG based Quantification of Ventricular Repolarization Variation
	<b>Adrian Baranchuk</b>	Canada	Electrocardiography in the altitude: ECG interpretation for highlanders
	<b>Ljuba Bacharova</b>	Slovakia	ECG in left ventricular hypertrophy - the change of paradigm
June 14 11.10-12.10	<b>10.3 Pediatric and Congenital Heart Disease ECG</b>		
	<b>Parvin Dorostkar</b>	USA	ECG in Adult Congenital Heart Disease
	<b>Daniel Cortez</b>	USA	Age-related progression of ECG and VCG abnormalities in congenital heart disease
	<b>Zaklyazminskaya Elena</b>	Russia	Mutations spectrum and intra-cardiac phenotypes in young symptomatic patients with LVH
Plenary session			

June 14 12:15-13:00

**ISE General Asembly and Young Investigator Award/Closing Ceremony**