

ESC CONGRESS

ROME 2016

27 – 31 August



Final Programme

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WELCOME TO ESC CONGRESS 2016!

GI

We are grateful to see you in Rome and thank you for attending ESC Congress where all together we will meet, learn and establish new friendships.

The world's largest cardiovascular congress is truly multinational with faculty, abstract presenters, sister societies and cardiology experts from over 140 countries.

This year's spotlight, '**The Heart Team**' highlights the importance of teamwork and interactions between all professionals and specialties involved in managing patients with cardiovascular disease.

Exciting new tracks are organised on surgery, stroke, and e-cardiology. The Gladiator's Arena will feature live and engaging discussions between leading speakers on topical and controversial issues. After the "debate" cast your vote for the best argument presented.

Latest evidence and recommendations will be presented during the 'ESC Clinical Practice Guidelines' sessions with face to face exchanges to help you implement them in your practice. Meet the Guidelines Task Force, discuss Clinical Cases, learn about their application in different countries through the My NCS@ESC Sessions and test your knowledge with the ESC Cardiology Quiz in the Hub!

Novel clinical trial results will be announced in the popular 'hot line' sessions while the 'Advances in Science' will feature the best from over 11 000 abstracts submitted to ESC Congress.

Keep a finger on the **pulse of industry partners** in the exhibition or during the satellite symposia.

For easy planning download the 'ESC 2016' Mobile App to select the presentations you don't want to miss as well as interact and vote during the 'Mobile app interactive sessions'. The Mobile App also gives you a direct access to ESC Congress 365 and ESC TV to review Congress resources all year long.

We welcome you to the Inaugural session on Saturday 27 August to officially open ESC Congress 2016 in the eternal city of Rome.

We wish you a great ESC Congress, the place where the world of cardiology comes together!

All the best,



Fausto Pinto, FESC
President 2014 - 2016
European Society of Cardiology



Geneviève Derumeaux, FESC
Chairperson 2014 - 2016
Congress Programme Committee

and all ESC Members of the Congress
Programme Committee

The Scientific Programme has been prepared by the ESC Congress Programme Committee in close collaboration with the ESC Working Groups, Associations, Councils and Ad hocs according to the nine following topic groups.

J F Pinto FESC (Lisbon, PT)

G A Derumeaux FESC (Creteil, FR)

Most scientific sessions, except satellite symposia, are arranged by topics in themed villages. You will also find the scientific highlights of the 9 main topics of ESC Congress 2016 in The Hub, the Agora and the main auditorium.

VILLAGE 1 – BASIC SCIENCE

L Badimon	FESC (Barcelona, ES) – Coordinator – Council on Basic Cardiovascular Science
J-L Balligand	FESC (Brussels, BE)
C Basso	FESC (Padua, IT) – WG Development, Anatomy & Pathology
P Ferdinandy	FESC (Budapest, HU) – WG Cellular Biology of the Heart
S Hatem	(Paris, FR)
I Hoefer	FESC (Utrecht, NL) – WG Atherosclerosis & Vascular Biology
I Komuro	FESC (Tokyo, JP) – Japanese Circulation Society (JCS)
J D Pearson	FESC (London, UK)
R F Ventura Clapier	(Chatenay-Malabry, FR)

VILLAGE 2 – INTERVENTIONS - PERIPHERAL CIRCULATION - STROKE -

M Valgimigli	FESC (Rotterdam, NL) – Coordinator
V Aboyans	FESC (Limoges, FR)
Y D Chen	FESC (Beijing, CN) – Chinese Society of Cardiology (CSC)
W Doehner	FESC (Berlin, DE)
P H Kolh	FESC (Liege, BE)
H K Najm	FESC (Riyadh, SA) – Saudi Heart Association (SHA)
J-F Obadia	(Lyon-Bron, FR)
Y Ozaki	FESC (Toyoake, JP)
M Roffi	FESC (Geneva, CH)
F Sellke	(Providence, US) – American Heart Association (AHA)
K-H Sim	FESC (Kuching, MY) – Asian Pacific Society of Cardiology (APSC)
S Windecker	FESC (Bern, CH) – EAPCI Representative

VILLAGE 3 – HYPERTENSION - PHARMA

B Williams	FESC (London, UK) – Coordinator
M A Alonso	FESC (London, UK)
D Atar	FESC (Oslo, NO)
A Coca	FESC (Barcelona, ES) – Hypertension Council Representative
A G de Simone	FESC (Naples, IT)
F Mahfoud	(Homburg/Saar, DE)
E Shlyakhto	FESC (St. Petersburg, RU) – Russian Society of Cardiology (RSC)

VILLAGE 4 – ARRHYTHMIAS - PACING - RESYNCHRONISATION

C Leclercq	FESC (Rennes, FR) – Coordinator
M Brignole	FESC (Lavagna, IT)
H Burri	(Geneva, CH)
A De Paola	FESC (Sao Paulo, BR) – Brazilian Society of Cardiology (BSC)
M Glikson	FESC (Ramat Gan, IL) – EHRA Representative
J Kautzner	FESC (Prague, CZ)
K H Kuck	FESC (Hamburg, DE)
C Linde	FESC (Stockholm, SE)
P Volders	FESC (Maastricht, NL)

VILLAGE 5 – ISCHAEMIA - CORONARY ARTERY DISEASE - ACUTE CARDIAC CARE - ACUTE CORONARY SYNDROMES

J-P Collet	FESC (Paris, FR) – Coordinator
D Erlinge	FESC (Lund, SE)
A Koller	(Budapest, HU) – WG Coronary Pathophysiology & Microcirculation
J Mehilli	FESC (Munich, DE)
D Milicic	FESC (Zagreb, HR)
J Morais	FESC (Leiria, PT) – WG Thrombosis
S Price	FESC (London, UK) – ACCA Representative
C J MVrints	FESC (Edegem, BE)

VILLAGE 6 – IMAGING - E-TECHNOLOGY

P Lancellotti	FESC (Liege, BE) – Coordinator – EACVI Representative
J Bax	FESC (Leiden, NL)
C Bucciarelli	FESC (Bristol, UK)
P Colonna	FESC (Bari, IT)
L Ernande	FESC (Paris, FR)
F A Flachskampf	FESC (Uppsala, SE)
G Krstacic	FESC (Zagreb, HR) – WG e-Cardiology
D Neglia	FESC (Pisa, IT)
H Ukkonen	(Turku, FI)
Z Vered	FESC (Zerifin, IL)

VILLAGE 7 – PREVENTION - REHABILITATION - SPORTS CARDIOLOGY - NURSING - AGEING

M C Deaton	FESC (Cambridge, UK) – Coordinator
A Abreu	(Lisbon, PT)
D Gaita	FESC (Timisoara, RO) – World Heart Federation (WHF)
A O Nedoshivin	FESC (St. Petersburg, RU)
E Prescott	(Copenhagen, DK)
S Sharma	FESC (London, UK) – EAPCR Representative
L Tokgozoglu	FESC (Ankara, TR)

VILLAGE 8 – HEART FAILURE - LEFT VENTRICULAR DYSFUNCTION

S Anker	FESC (Gottingen, DE) – Coordinator
J Bauersachs	FESC (Hannover, DE)
D A Brito	FESC (Lisbon, PT)
G Filippatos	FESC (Athens, GR) – HFA Representative
A A Hagege	FESC (Paris, FR)
J Lopez-Sendon	FESC (Madrid, ES)
T McDonagh	FESC (London, UK)
M F Piepoli	FESC (Piacenza, IT)
O Smiseth	FESC (Oslo, NO)

VILLAGE 9 – VALVULAR DISEASE - PULMONARY CIRCULATION - MYOCARDIAL - PERICARDIAL DISEASE - CONGENITAL HEART DISEASE AND PAEDIATRIC CARDIOLOGY

R Rosenhek	FESC (Vienna, AT) – Coordinator – WG Valvular Heart Disease
H Baumgartner	FESC (Muenster, DE)
A L P Caforio	FESC (Padua, IT) – WG Myocardial & Pericardial Diseases
M Delcroix	(Leuven, BE)
E Jokinen	(Helsinki, FI)
S Konstantinides	FESC (Mainz, DE) – WG Pulmonary Circulation & Right Ventricular Dysfunction
A Linhart	FESC (Prague, CZ)
JL Monin	(Creteil, FR)
A Poppas	(Providence, US) – American College of Cardiology (ACC)

SPECIAL COORDINATORS

S Achenbach	FESC (Erlangen, DE)
L M Goncalves	FESC (Coimbra, PT) – Education
A Auricchio	FESC (Lugano, CH) – EU Regulation and MEP Relation
A Keren	FESC (Jerusalem, IL) – My NCS@ESC
S Matskeplishvili	(Moscow, RU) – My NCS@ESC
S D Kristensen	FESC (Aarhus, DK) – ESC TV
L Ernande	FESC (Paris, FR)
J-L Zamorano	FESC (Madrid, ES) – ESC Guidelines
M Boehm	FESC (Homburg/Saar, DE) – Industry Programme
M Komajda	FESC (Paris, FR) – Industry Programme

WITH SPECIAL THANKS TO OUR AD HOC MEMBERS

S Agewall	FESC (Oslo, NO) – WG Cardiovascular Pharmacology & Drug Therapy
R Asteggiano	FESC (Turin, IT) – Council for Cardiology Practice
M Brodmann	(Graz, AT) – WG Peripheral Circulation
M de Bonis	(Milan, IT) – WG Cardiovascular Surgery
A Eicken	FESC (Munich, DE) – WG Grown-up Congenital Heart Disease
S Heymans	(Maastricht, NL) – WG Myocardial Function
A W Hoes	FESC (Utrecht, NL) – Council on Cardiovascular Primary Care
C S Jennings	FESC (London, UK) – Council on Cardiovascular Nursing and Allied Professions
A N Kitsiou	FESC (Athens, GR) – EACVI – Nuclear Cardiology and Cardiac CT section
O Oto	FESC (Izmir, TR)
S Plein	(Leeds, UK) – EACVI – CMR section
G L Smith	(Glasgow, UK) – WG Cardiac Cellular Electrophysiology

ESC CARDIOLOGISTS OF TOMORROW NUCLEUS

E A Jankowska	FESC (Wrocław, PL)
S Muscoli	(Rome, IT)
M Pazdernik	(Prague, CZ)
J Poess	(Luebeck, DE)
M Rubini Gimenez	(Basel, CH)
S M A Sohaib	(London, UK)
M Wallner	(Graz, AT)

ESC SCIENTISTS OF TOMORROW NUCLEUS

C Antoniadis	(Oxford, UK)
J Fauconnier	(Montpellier, FR)
S Ljubojevic	(Graz, AT)
N Smart	(Oxford, UK)
S Sossalla	(Goettingen, DE)
G Vilahur	FESC (Barcelona, ES)

GUIDELINES FOR INDUSTRY PARTICIPATION COMMITTEE

G Derumeaux	FESC (Creteil, FR) – Chairperson ESC Congress Programme Committee
I Marti	(Allschwil, CH) – Actelion Pharmaceuticals Ltd
M Weimers	(Mölnal, SE) – AstraZeneca AB
S L Willems	(Best, NL) – Philips
S Winter	(Erlangen, DE) – Siemens Healthcare GmbH

ESC PRESS COMMITTEE

S D Kristensen	FESC (Aarhus, DK) – Chairperson
L Badimon	FESC (Barcelona, ES)
L Bolognese	FESC (Arezzo, IT)
K A A Fox	FESC (Edinburgh, UK)
J R Gonzalez Juanatey	FESC (Santiago de Compostela, ES)
M M Gulizia	FESC (Catania, IT)
K Huber	FESC (Vienna, AT)
J Perk	FESC (Oskarshamn, SE)
S Price	FESC (London, UK)
F Romeo	FESC (Rome, IT)
F Schiele	FESC (Besançon, FR)
M Valgimigli	FESC (Rotterdam, NL)
F W A Verheugt	FESC (Amsterdam, NL)

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10:05–10:55 | Moderated poster station - Poster Area

ION CHANNELS: FROM THE MOLECULAR LEVEL TO INTEGRATIVE BIOLOGY

Moderated Posters

Chairperson(s): S. Hatem (Paris, FR); J.L. Tamargo (Madrid, ES)

- 10:05 **SCN10A/Nav1.8 channels contribute to arrhythmogenesis in the human failing heart.** P3111
– N. Dybkova, S. Ahmad, N. Hartmann, P. Tirilomis, S. Pabel, E. Stevens, N. Frey, S. Sossalla (Göttingen and Kiel, DE; Cambridge, UK)
- 10:12 **A novel alternative splicing isoform promotes proteasomal degradation of L-type CaV1.2 calcium channels in the hypertrophic heart.** P3112
– J.W. Wang, Z.Y. Hu, D. Yu, J.L. Soon, D.P.V. De Kleijn, P. Liao, H.M. Colecraft, T.W. Soong (Singapore, SG; New York, US)
- 10:19 **Terminating ventricular arrhythmia by optogenetic hyperpolarisation.** P3113
– T. Bruegmann, M. Funken, C.C. Vogt, D. Malan, P. Sasse (Bonn, DE)
- 10:26 **Optogenetic modulation of fibroblasts membrane potential directly affects excitability and conduction in coupled cardiomyocytes in vitro.** P3114
– M. Funken, T. Bruegmann, P. Sasse (Bonn, DE)
- 10:33 **Circadian rhythm in heart rate is due to an intrinsic circadian clock in the sinus node.** P3115
– Y. Wang, A. D'Souza, A. Johnsen, S. Oleslagers, C. Cox, A. Bucci, S. Wegner, E. Gill, E. Cartwright, U. Wisloff, P. Da Costa Martins, D. DiFrancesco, H. Dobrzynski, H. Piggins, M. Boyett (Manchester, UK; Trondheim, NO; Maastricht, NL; Milan, IT)
- 10:40 **Decremental conduction in the atrioventricular node and heart block in pulmonary arterial hypertension.** P3116
– S.J. Logantha, I.P. Temple, M. Absi, Y. Zhang, M.A. Petkova, J. Yanni, T.T. Yamanushi, M. Zi, G. Hart, A.M. Gurney, E. Cartwright, H. Dobrzynski, M.R. Boyett (Manchester, UK; Kagawa, JP)
- 10:47 **Combined use of transgenic LQT2, LQT5 and LQT2-5 rabbit models with decreased repolarization reserve as novel tool for pro-arrhythmia research.** P3117
– T. Hornyik, A. Castiglione, G. Franke, S. Perez-Feliz, P. Major, L. Hiripi, G. Koren, Z.S. Bosze, A. Varro, M. Brunner, C. Bode, I. Baczkó, K. Odén (Szeged and Gödöllo, HU; Freiburg, DE; Providence, US)

10:05–10:55 | Moderated poster station - Poster Area

NOVEL PHARMACOLOGICAL THERAPY IN CHRONIC HEART FAILURE

Moderated Posters

Chairperson(s): To be announced; A. Pathak (Toulouse, FR)

- 10:05 **Contribution of central donepezil to prevention of cardiac dysfunction and improvement of long-term survival in chronic heart failure rats after myocardial infarction.** P3118
– M. Li, C. Zheng, T. Kawada, M. Inagaki, K. Uemura, T. Shishido, M. Sugimachi (Osaka, JP)
- 10:12 **Stimulation of the soluble guanylate cyclase attenuates pressure-overload induced cardiac hypertrophy in mice.** P3119
– J. Ruedebusch, A. Benkner, K. Klingel, M. Doerr, S.B. Felix, K. Grube (Greifswald and Tübingen, DE)
- 10:19 **Magnesium orotate improves symptoms, exercise capacity and quality of life in patients with valve prosthesis: results from a randomized, open-label, case-control 2-year study.** P3120
– I.R. Gaisin, A.S. Gazimzyanova, V.M. Abseeva, A.A. Galimova, N.I. Maksimov, M.A. Voronova, E.R. Sabirzyanova, E.A. Chernikch, L.V. Richkova (Izhevsk, RU)
- 10:26 **Effect of ipragliflozin, a sodium-glucose co-transporter 2 inhibitor, on diuresis and neurohormonal activation in type 2 diabetes mellitus and heart failure.** P3121
– T. Takeuchi, K. Dohi, T. Omori, K. Moriwaki, E. Sugiura, N. Kumagai, N. Fujimoto, E. Fujii, N. Yamada, M. Itou (Tsu, JP)
- 10:33 **Get the right balance: a novel vasopressin receptor antagonist equally blocks human V1a and V2 receptors and inhibits the release of plasminogen activator inhibitor-1 from cardiomyocytes.** P3122
– P. Kolkhof, H. Tinel, A. Buchmueller, E. Pook, P. Wasnaire, C. Schmeck, A. Kretschmer (Wuppertal, DE)
- 10:40 **The CaMKII inhibitor RA123456 attenuates heart failure and prevents ventricular and atrial arrhythmias in vivo.** P3123
– J. Mustroph, M. Baier, S. Neef, C.M. Sag, B. Floerchinger, L.S. Rupprecht, C.M. Schmid, Y. Zausig, G. Begis, V. Briand, A.J. Muslin, P. Janiak, P. Beauverger, L.S. Maier, S. Wagner (Regensburg, DE; Chilly-Mazarin, FR; Cambridge, US)
- 10:47 **The effects of LCZ696 on left ventricular remodeling in hypertensive patients - Results of a double blind, randomized, multicenter trial.** P3124
– R.E. Schmieder, F. Wagner, M. Mayr, C. Delles, C. Ott, C. Keicher, S. Aichner, Y. Khder, D. Yates, D. Albrecht, T. Langenickel, P. Freyhardt, R. Janka, J. Bremerich (Erlangen and Berlin, DE; Basel, CH; Glasgow, UK)

11:00–12:30 | Cairo - Village 3

AM I MISSING SECONDARY HYPERTENSION?

Symposium

Chairperson(s): A.F. Dominiczak (Glasgow, UK); S. Taddei (Pisa, IT)

11:00	Renovascular hypertension. – C. Vlachopoulos (Athens, GR)	5081
11:22	Primary hyperaldosteronism. – M. Azizi (Paris, FR)	5082
11:45	Phaeochromocytoma. – M. Freel (Glasgow, UK)	5083
12:07	Sleep apnea. – A. Konradi (St. Petersburg, RU)	5084

11:00–12:30 | Yerevan - Village 3

PHARMACOTHERAPY OF HEART FAILURE

Symposium

Chairperson(s): B.S. Lewis (Haifa, IL); Z. Kusljagic (Tuzla, BA)

11:00	What is on the horizon for the pharmacological treatment. – J.L. Tamargo (Madrid, ES)	5085
11:22	New therapies for heart failure with preserved ejection fraction. – S. Solomon (Boston, US)	5086
11:45	The treatment of patients with advanced heart failure. – F. Zannad (Vandoeuvre-lès-Nancy, FR)	5087
12:07	New challenges in HF trials. The European Medicines Agency perspective (EMA). – M.A. Alonso Garcia (London, UK)	5088

11:00–12:30 | Berlin - Village 4

PACEMAKER THERAPY: PRIMUM NON NOCERE

Advances in Science

Chairperson(s): M. Biffi (Bologna, IT); F. Braunschweig (Stockholm, SE)

11:00	State of the Art in physiological pacing. – M.O. Sweeney (Boston, US)	5089
11:18	Leadless pacemaker implantation in single high volume center. – P. Neuzil, L. Sediva, J. Petru, J. Simon, M. Chovanec, M. Janotka, P. Hala, J. Sorf, M. Tregler, M. Mudroch, J. Baroch, E. Kronusova, D. Rihova, V.Y. Reddy (Prague, CZ; New York, US)	5090
11:36	Silent atrial fibrillation in pacemaker early post-implantation period: an unintentionally provoked situation? – J. Benezet Mazuecos, J.A. Iglesias, M. Cortes, J.J. De La Vieja, A. Miracle, P. Sanchez-Borquez, J.M. Rubio, J. Farre (Madrid, ES)	5091
11:54	Right ventricular and tricuspid valve function in patients chronically implanted with leadless pacemakers. – L. Tovmassian, E. Salaun, B. Simonnet, F. Franceschi, E. Gitenay, L. Koutbi-Franceschi, J. Hourdain, G. Habib, J.-C. Deharo (Marseille, FR)	5092
12:12	Future direction for research in physiological pacing. – M. Lunati (Milan, IT)	5093

11:00–12:30 | Minsk - Village 4

2016 ATRIAL FIBRILLATION GUIDELINES IN PORTUGAL

My NCS@ESC

Guidelines in Daily Practice

Chairperson(s): P.P. Adragao (Carnaxide, PT); M.T. Tavares Aguiar (Lisbon, PT)

11:00	An atrial fibrillation patient who defies the latest guidelines - Clinical case. – N. Cortez-Dias (Lisbon, PT)	5094
11:20	An atrial fibrillation patient who defies the latest guidelines - What do the Guidelines say? – D.M. Cavaco (Lisbon, PT)	5095
11:40	An atrial fibrillation patient who defies the latest guidelines - Take home message. – P.P. Adragao (Carnaxide, PT)	5096
11:45	Persistent atrial fibrillation in a 60 years-old female with hypertension. Ablation as first choice? - Clinical case. – R. Providencia (London, UK)	5097
12:05	Persistent atrial fibrillation in a 60 years-old female with hypertension. Ablation as first choice? - What do the Guidelines say? – M.M. Oliveira (Lisbon, PT)	5098
12:25	Persistent atrial fibrillation in a 60 years-old female with hypertension. Ablation as first choice? - Take home message. – M.T. Tavares Aguiar (Lisbon, PT)	5099



Chairpersons & Judges / Speakers & Discussants / Authors Tak – Tay

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