

FRONTIERS IN CARDIOVASCULAR BIOLOGY

Biennial meeting of the ESC Council on Basic Cardiovascular Science

Cardiac
Vascular
Discovery
Translation



FCVB 2016

8-10 July - 2016

Florence Italy

POST CONGRESS REPORT



Table of contents

1. General Information.....	2
1.1 Quick facts & figures	3
1.2 Introduction	4
1.3 History	4
1.4 Committees	4
1.5 Congress dates and location	6
1.6 Venue & building overview	6
1.7 Timetable	7
2. Scientific programme	8
2.1 General information.....	8
2.2 Faculty	8
2.3 Sessions	11
2.4 Sessions occupancy report.....	13
2.4 Abstracts.....	19
3. Registration & attendance	23
3.1 Overview & Comparison with previous years.....	23
3.2 Comparison by type of registration	23
3.3 Breakdown of attendance by country of origin	25
3.4 Breakdown of attendance by region of origin	27
4. ESC stand report.....	28
5. Marketing survey	29
Introduction	29
5.1 Congress satisfaction level	29
5.2 Decision making process	31
5.3 Delegates awareness of the Council's activities	33
5.4 Conclusion	34

1. General Information

1.1 Quick facts & figures

The FCVB 2016 congress took place in Florence, Italy from 8-10 July 2016.

- ✓ **658 Total participation**

- 646 Active delegates

- 10 Exhibitors

- 2 Press

- ✓ **44 countries represented**

- ✓ **125 Faculty** members for **284 roles** in the programme

- ✓ **43 Scientific Programme sessions**

- 33 Pre-Arranged Sessions

- 10 Abstract-based Sessions

- ✓ **3 Lecture rooms**

- ✓ **522 abstracts** submitted & 446 abstracts accepted

- ✓ **2 Industry sponsored sessions**

- 2 Session supported with an unrestricted educational grant

1.2 Introduction

Frontiers in CardioVascular Biology 2016 is the fourth Meeting of the Council on Basic Cardiovascular Science (CBCS) of the European Society of Cardiology (ESC).

The Council is composed of representatives from the ESC "basic" Working Groups and from non-ESC "basic" sister organisations.

8 ESC Working Groups:

Atherosclerosis and Vascular Biology
Cardiac Cellular Electrophysiology
Cardiovascular Pharmacology and Drug Therapy
Cellular Biology of the Heart
Coronary Pathophysiology and Microcirculation
Development, Anatomy and Pathology
Myocardial Function
Thrombosis

And

5 Sister Societies:

Association for European CardioVascular Pathology (AECVP)
European Vascular Biology Organisation (EVBO)
European Council for Cardiovascular Research (ECCR)
European Society for Microcirculation (ESM)
International Society for Heart Research European Section (ISHR-ES)

1.3 History

FCVB 2010

16-19 July 2010

Berlin, Charité University Campus

FCVB 2012

30 March – 1 April 2012

London, Imperial College

FCVB 2014

4 – 6 July 2014

Barcelona, Palau de Congressos de Catalunya

1.4 Committees

Core Scientific Programme Committee

Prof. Elisabetta Cerbai (IT) - Chairperson

Prof. Lina Badimon (ES)

Prof. Jeremy Pearson (GB)

Prof. Karin Sipido (BE)

Prof. Johannes Waltenberger (DE)

Programme Committee - WG and Sister Societies Coordinators

European Atherosclerosis Society (EAS)	Lale Tokgozoglu
ISHR, European Section	Peter Ferdinandy
European Council for Cardiovascular Research (ECCR)	Ulrike Steckelings
European Vascular Biology Organisation (EVBO)	Jozef Dulak
European Society for Microcirculation (ESM)	Akos Koller
WG Myocardial and Pericardial Diseases	Pablo Garcia Pavia
WG Atherosclerosis and Vascular Biology	Imo Hoefer
WG Cardiac Cellular Electrophysiology	Dobromir Dobrev
WG Cellular Biology of the Heart	Derek Hausenloy
WG Coronary Pathophysiology and Microcirculation	Dirk Duncker
WG Development, Anatomy and Pathology	Deborah Henderson
WG Myocardial Function	Thomas Thum
WG Thrombosis	Johann Wojta

Giuseppe "Nello" Ambrosio, Perugia (Coronary Pathophysiology & Microcirculation)

Raffaele De Caterina, Chieti (Atherosclerosis & Vascular Biology)

Alessandro Mugelli, Firenze (Cardiovascular Pharmacology)

Corrado Poggesi, Firenze (Myocardial Function)

Emilio Hirsch, Torino (Cellular Biology)

1.5 Congress dates and location

8 - 10 July
Florence, Italy

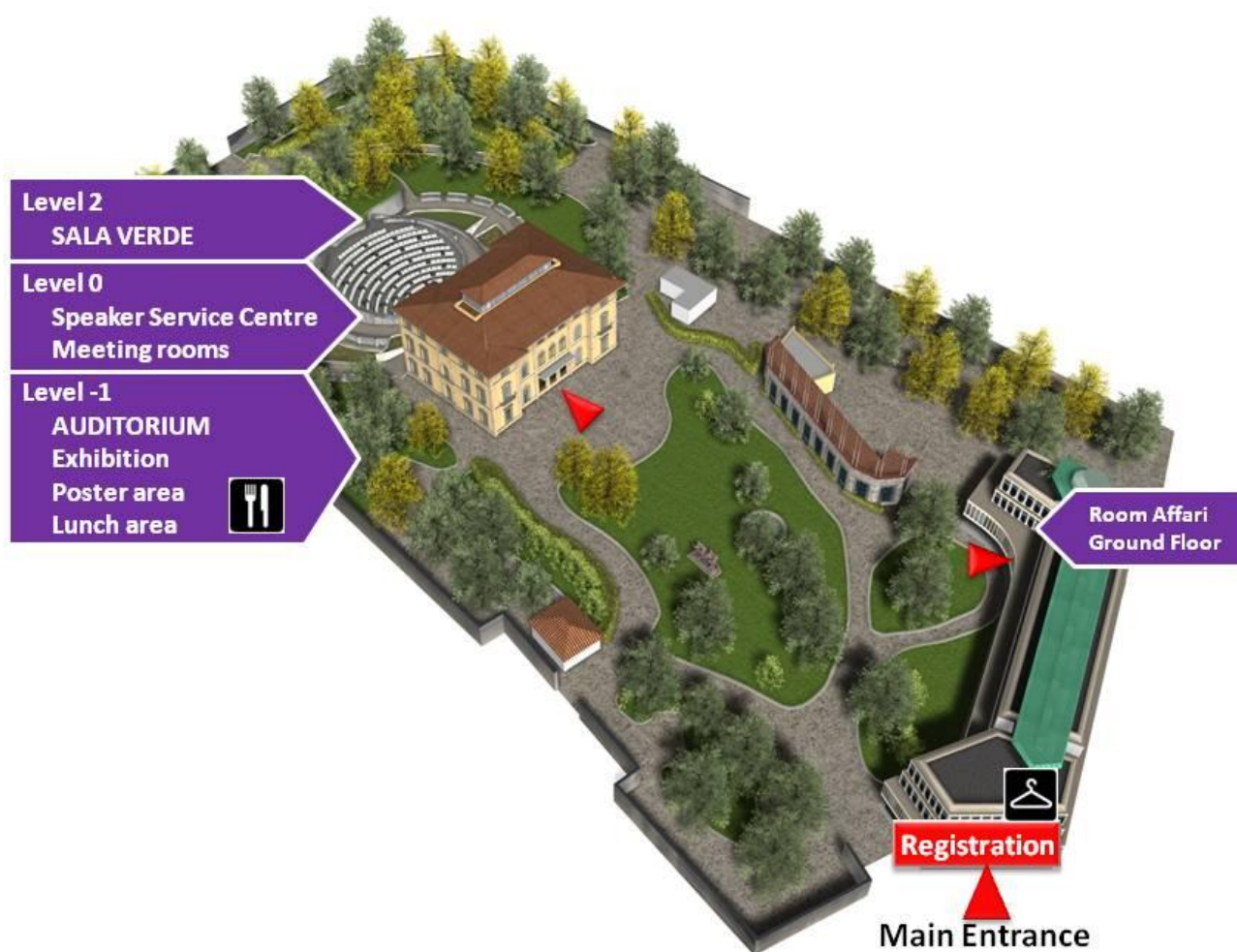
1.6 Venue & building overview

Firenze Fiera

Piazza Adua 1

50123 Firenze – Italy

www.firenzefiera.it



1.7 Timetable

THURSDAY		FRIDAY 8th JULY		SATURDAY 9th JULY		SUNDAY 10th JULY	
08:00	08:00		08:00		08:00		08:00
08:30	08:30		08:30		08:30		08:30
09:00	09:00		09:00		09:00		09:00
09:30	09:30		09:30		09:30		09:30
10:00	10:00		10:00		10:00		10:00
10:30	10:30		10:30		10:30		10:30
11:00	11:00		11:00		11:00		11:00
11:30	11:30		11:30		11:30		11:30
12:00	12:00		12:00		12:00		12:00
12:30	12:30		12:30		12:30		12:30
13:00	13:00		13:00		13:00		13:00
13:30	13:30		13:30		13:30		13:30
14:00	14:00		14:00		14:00		14:00
14:30	14:30		14:30		14:30		14:30
15:00	15:00		15:00		15:00		15:00
15:30	15:30		15:30		15:30		15:30
16:00	16:00		16:00		16:00		16:00
16:30	16:30		16:30		16:30		16:30
17:00	17:00		17:00		17:00		17:00
17:30	17:30		17:30		17:30		17:30
18:00	18:00		18:00		18:00		18:00
18:30	18:30		18:30		18:30		18:30
19:00	19:00		19:00		19:00		19:00
19:30	19:30		19:30		19:30		19:30
20:00	20:00		20:00		20:00		20:00
20:30	20:30		20:30		20:30		20:30
21:00	21:00		21:00		21:00		21:00

2. Scientific programme

2.1 General information

3 Lecture rooms – 1 Poster area - 43 sessions

30 Pre-arranged sessions

- 21 Featured Symposium
- 5 Main Session
- 4 Symposium

10 Abstract-based sessions

- 3 Abstract Session – (2 Young investigator award + 1 Late Breaking science)
- 4 Poster Session (3 regular poster + 1 Late Breaking poster)
- 3 Moderated poster session

3 Special Session / Special Events

- How to prepare an European Research Council project
- Opening session
- Awards and Closing session

522 Abstracts Received

446 Abstracts Accepted (85 %)

125 Faculty Members

284 Roles

- 67 roles of Chairperson
- 96 roles of Speaker
- 121 roles of Other

2.2 Faculty

2.2.1- Overview ESC Session

Type of sessions	Roles held
Abstract	128
Pre-arranged	156
Total	284

2.2.2 – FCVB 2016 Session

Number of Roles held in the FCVB Programme

284 roles distributed as shown below

Faculty roles distributed for FCVB programme	Total
Chairperson	67
Discussant	114
Judge Abstract	7
Speaker	96
Grand Total	284

Number of Faculty invited for FCVB Programme

125 Faculty members involved in the FCVB 2016 Programme

Faculty Gender Overview

Faculty Gender	Total
Women	43
Man	82
Total	125

ORIGIN of the Faculty

By region

Region	Total
ESC	118
North America	7
Total	125

By country

Country	Total
Austria	2
Belgium	5
Canada	1
France	10
Germany	15
Hungary	2
Israel	1
Italy	30
Netherlands	12
Norway	1
Poland	1
Spain	6
Sweden	4
Switzerland	6
United Kingdom	23
United States of America	6
Grand Total	125

2.2.4 - Comparison report 2014 & 2016

Activities

Faculty roles distributed for FCVB programme	2014	2016
Chairperson	51	67
Discussant	41	114
Judge Abstract	10	7
Speaker	87	96
Grand Total	196	284

Role distribution

Total	2014	2016
1 roles	77	53
2 roles	25	31
3 roles	8	16
4 roles	6	14
5 roles	-	5
6 roles	6	4
8 roles	-	1
Total faculty	119	125

Top Country Representation

*Host country 2016

** Host country 2014

Country List	FCVB 2014	FCVB 2016
Italy	9	30**
United Kingdom	24	23
Germany	17	15
Netherlands	12	12
France	6	10
Spain	20*	6
United States of America	13	6
Switzerland	2	6
Belgium	3	5
Sweden	1	4
Austria	5	2
Hungary	2	2
Norway	2	1
Israel	1	1
Poland	1	1
Canada		1
Luxembourg	1	
Grand Total	119	125

Faculty By regions

Region	FCVB 2014	FCVB 2016
ESC	106	118
North America	13	7
Total	119	125

2.3 Sessions

2.3.1 -All sessions

Process Type	Type	Total
Abstract	Abstract Session	1
	Moderated Posters	3
	Poster Session	4
	Young Investigators Awards Abstracts	2
	Total abstract sessions	10
Pre-arranged	Featured Symposium	21
	Main Session	5
	Special Event	2
	Special Session	1
	Symposium	4
	Total Pre-arranged sessions	33
	Grand Total	43

Session by Topic

Main Topic	Total
00.00 - Miscellaneous	8
01.00 - Developmental biology	1
02.00 - Molecular and cellular biology	8
03.00 - Atherosclerosis, thrombosis and vascular biology	7
04.00 - Myocardium	2
04.01 - Calcium fluxes and excitation-contraction coupling	1
04.05 - Mitochondria and energetics	1
05.00 - Integrative mechanisms, diagnostic and therapeutic approaches	5
05.03 - Genetics and epigenetics	2
05.04 - Genomics, proteomics, metabolomics, lipidomics and glycomics	1
Grand Total	36

Sessions by lecture room by day

Room location	Friday 08 July	Saturday 09 July	Sunday 10 July	Total by room
Affari Ground floor	310	208	155	673
Auditorium	1000	850	585	2435
Sala Verde	217	180	660	1057
Total by day	1527	1238	1400	4165

2.3.2 - Session comparison FCVB 2014 – 2016

Number of sessions by type - ALL sessions

Process Type	Type	2014	2016
Abstract	Abstract Session (Late Breaking science)	0	1
	Moderated Posters	0	3
	Poster Session	3	4
	Young Investigators Awards Abstracts	1	2
Abstract Total		4	10
Pre-arranged	Featured Symposium	21	21
	Main Session	5	5
	Special Event	2	2
	Special Session	2	1
	Symposium	3	4
Pre-arranged Total		33	33
Industry	Satellite Symposium	1	0
Grand Total		38	43

Number of Sessions by type

These charts below does not include poster, Mod posters, special events and industry sessions

Process Type	Type	2014	2016
	Abstract Session (Late-Breaking science)	0	1
Abstract	Young Investigator Award abstracts	1	2
	Total abstract sessions	1	3
Pre arranged	Featured Symposium	21	21
	Main Session	5	5
	Special Session	2	1
	Symposium	3	4
	Total Pre-arranged sessions	31	31
Total		32	34

Number of Sessions per day

Day	2014	2016
Friday	10	11
Saturday	11	12
Sunday	11	11
Grand Total	32	34

2.4 Sessions occupancy report

2.4.1 - Occupancy all session

Total attendance by day

	Total Attendance all rooms
Friday 08 July	1527
Saturday 09 July	1238
Sunday 10 July	1400
Grand Total	4165

2.4.2 - Occupancy FCVB scientific sessions only

Attendance per time slot per day

Session Date	Session Start Time	Affari Ground floor (Room Capacity 350)	Auditorium (Room Capacity 700)	Sala Verde (Room Capacity 200)	Grand Total
Friday 08 July	09:30		230		230
	11:00	80	160	120	360
	12:45		100		100
	15:00	130	200	45	375
	17:00	100	100	52	252
Total		310	790	217	1317
Saturday 09 July	08:30	80	100	60	240
	10:45		260		260
	11:45		110		110
	13:30	50	150	60	260
	15:30	78	70	60	208
	17:15		160		160
Total		208	850	180	1238
Sunday 10 July	08:30	75	80	60	215
	10:45		270		270
	12:00	80			80
	13:30	N/A	130	110	240
	15:30		105	110	215
	16:45			230	230
Total		155	585	510	1250
Grand Total		673	2225	907	3805

Session by occupancy brackets

Occupancy Bracket	Total
100-200	10
200-300	5
50-100	18
less 50	2

List of sessions– Attendance by day

Session Title	Type	Main Topic	Session quality	Occupancy @Start	Occupancy @Peak	Max Occup %	Bracket	Session Capacity	Session Start Time
Keynote lecture - Immunity and repair as novel targets for intervention in atherosclerosis	Main Session	03.00 - Atherosclerosis, thrombosis and vascular biology		215	230	33%	200-300	700	08/07/2016 09:30
Alternative ways to die	Featured Symposium	02.00 - Molecular and cellular biology	4	100	160	23%	100-200	700	08/07/2016 11:00
Anticoagulants in cardiovascular disease – from basics to translation	Symposium	00.00 - Miscellaneous	5	60	100	14%	50-100	700	08/07/2016 12:45
Heart failure: from protein to phenotype	Featured Symposium	02.00 - Molecular and cellular biology	5	160	200	29%	100-200	700	08/07/2016 15:00
Advances in imaging technology for cardiac research	Featured Symposium	05.00 - Integrative mechanisms, diagnostic and therapeutic approaches	5	80	100	14%	50-100	700	08/07/2016 17:00
Epigenetics in cardiac health and disease	Featured Symposium	05.03 - Genetics and epigenetics	4	60	100	14%	50-100	700	09/07/2016 08:30
Keynote lecture - Dystrophin and nNOS on atrial-fibrillation-induced electrical remodelling in man.	Main Session	05.04 - Genomics, proteomics, metabolomics, lipidomics and glycomics	5	170	260	37%	200-300	700	09/07/2016 10:45
New approaches in lipid-lowering therapy: from molecular medicine to therapeutic opportunities	Symposium	00.00 - Miscellaneous	4	50	110	16%	50-100	700	09/07/2016 11:45
Microparticles: induced exosomes in cardiovascular pathology	Featured Symposium	03.00 - Atherosclerosis, thrombosis and vascular biology	5	100	150	21%	100-200	700	09/07/2016 13:30
Sciences within European Young Researcher Community	Featured Symposium	05.00 - Integrative mechanisms, diagnostic and	5	40	70	10%	50-100	700	09/07/2016 15:30

		therapeutic approaches							
Keynote Lecture - Genetics of cardiac arrhythmias	Main Session	05.03 - Genetics and epigenetics	N/A	150	160	23%	100-200	700	09/07/2016 17:15
Transcriptional and epigenetic controls of vascular homeostasis	Featured Symposium	03.00 - Atherosclerosis, thrombosis and vascular biology	5	25	80	11%	50-100	700	10/07/2016 08:30
Keynote Lecture - Stress, messengers and the fate of cardiac hypertrophy	Main Session	04.00 - Myocardium	N/A	160	270	39%	200-300	700	10/07/2016 10:45
Tissue engineering and repair of the damaged heart	Featured Symposium	02.00 - Molecular and cellular biology	5	120	130	19%	100-200	700	10/07/2016 13:30
Vascular biomechanics	Symposium	02.00 - Molecular and cellular biology	5	60	105	15%	50-100	700	10/07/2016 15:30
Cardiovascular glycobiology	Featured Symposium	05.00 - Integrative mechanisms, diagnostic and therapeutic approaches	4	50	80	23%	50-100	350	08/07/2016 11:00
Young investigator award session - Heart	Young Investigators Awards Abstracts	00.00 - Miscellaneous	5	100	130	37%	100-200	350	08/07/2016 15:00
Microvascular angina: diagnosis and treatment particularities	Featured Symposium	03.00 - Atherosclerosis, thrombosis and vascular biology	4	60	100	29%	50-100	350	08/07/2016 17:00
Vascular remodeling in cardiovascular disease	Featured Symposium	03.00 - Atherosclerosis, thrombosis and vascular biology	4	50	80	23%	50-100	350	09/07/2016 08:30
Young investigator abstract session - Vascular	Young Investigators Awards Abstracts	00.00 - Miscellaneous	5	40	50	14%	50-100	350	09/07/2016 13:30
Control of rhythm and rate	Featured Symposium	02.00 - Molecular and cellular biology	4	35	78	22%	50-100	350	09/07/2016 15:30
Macrophages: new frontier in cardiovascular medicine	Featured Symposium	02.00 - Molecular and cellular biology	5	75	75	21%	50-100	350	10/07/2016 08:30
From Project to Paper:	Symposium	02.00 -	5	80	80	23%	50-	350	10/07/

meet the Editors of Cardiovascular Research		Molecular and cellular biology					100		2016 12:00
How to prepare an European Research Council project	Special Session	00.00 - Miscellaneous	N/A	N/A	N/A	N/A		350	10/07/2016 13:30
Novel insights in intercellular communication within the heart	Featured Symposium	01.00 - Developmental biology	5	110	120	60%	100-200	200	08/07/2016 11:00
Biology of high-density lipoproteins: an update	Featured Symposium	03.00 - Atherosclerosis, thrombosis and vascular biology	5	35	45	23%	less 50	200	08/07/2016 15:00
Mechanisms of cancer-related cardiomyopathy	Featured Symposium	04.00 - Myocardium	5	40	52	26%	less 50	200	08/07/2016 17:00
Dysfunctional adipocytes in cardiovascular biology	Featured Symposium	05.00 - Integrative mechanisms, diagnostic and therapeutic approaches	5	60	60	30%	50-100	200	09/07/2016 08:30
The role of microdomains in beta-adrenoreceptor signalling	Featured Symposium	02.00 - Molecular and cellular biology	5	60	60	30%	50-100	200	09/07/2016 13:30
Platelets: old players revisited	Featured Symposium	03.00 - Atherosclerosis, thrombosis and vascular biology	4	60	60	30%	50-100	200	09/07/2016 15:30
Developmental basis of cardiac inherited diseases	Featured Symposium	04.01 - Calcium fluxes and excitation-contraction coupling	5	20	60	30%	50-100	200	10/07/2016 08:30
Obesity and cardiac microvascular function	Featured Symposium	05.00 - Integrative mechanisms, diagnostic and therapeutic approaches	N/A	70	110	55%	100-200	200	10/07/2016 13:30
Late Breaking Science	Abstract Session	00.00 - Miscellaneous	4	60	110	55%	100-200	200	10/07/2016 15:30
Keynote lecture - Redox homeostasis and mitochondrial (dys) function	Main Session	04.05 - Mitochondria and energetics	N/A	200	230	115 %	200-300	200	10/07/2016 16:45

List of top attended sessions

Session Title	Type	Main Topic	Session quality	Occupancy @Start	Occupancy @Peak	Max Occup %	Bracket	Session Capacity	Session Start Time
Keynote Lecture - Stress, messengers and the fate of cardiac hypertrophy	Main Session	04.00 - Myocardium	N/A	160	270	39%	200-300	700	10/07/2016 10:45
Keynote lecture - Dystrophin and nNOS on atrial-fibrillation-induced electrical remodelling in man.	Main Session	05.04 - Genomics, proteomics, metabolomics, lipidomics and glycomics	5	170	260	37%	200-300	700	09/07/2016 10:45
Keynote lecture - Immunity and repair as novel targets for intervention in atherosclerosis	Main Session	03.00 - Atherosclerosis, thrombosis and vascular biology		215	230	33%	200-300	700	08/07/2016 09:30
Keynote lecture - Redox homeostasis and mitochondrial (dys) function	Main Session	04.05 - Mitochondria and energetics	N/A	200	230	115 %	200-300	200	10/07/2016 16:45
Heart failure: from protein to phenotype	Featured Symposium	02.00 - Molecular and cellular biology	5	160	200	29%	100-200	700	08/07/2016 15:00
Alternative ways to die	Featured Symposium	02.00 - Molecular and cellular biology	4	100	160	23%	100-200	700	08/07/2016 11:00
Keynote Lecture - Genetics of cardiac arrhythmias	Main Session	05.03 - Genetics and epigenetics	N/A	150	160	23%	100-200	700	09/07/2016 17:15
Microparticles: induced exosomes in cardiovascular pathology	Featured Symposium	03.00 - Atherosclerosis, thrombosis and vascular biology	5	100	150	21%	100-200	700	09/07/2016 13:30
Tissue engineering and repair of the damaged heart	Featured Symposium	02.00 - Molecular and cellular biology	5	120	130	19%	100-200	700	10/07/2016 13:30
Young investigator award session - Heart	Young Investigators Awards Abstracts	00.00 - Miscellaneous	5	100	130	37%	100-200	350	08/07/2016 15:00

List of least attended sessions

Session Title	Type	Main Topic	Session quality	Occupancy @Start	Occupancy @Peak	Max Occup %	Bracket	Session Capacity	Session Start Time
Biology of high-density lipoproteins: an update	Featured Symposium	03.00 - Atherosclerosis , thrombosis and vascular biology	5	35	45	23%	less 50	200	08/07 /2016 15:00
Young investigator abstract session - Vascular	Young Investigators Awards Abstracts	00.00 - Miscellaneous	5	40	50	14%	50-100	350	09/07 /2016 13:30
Mechanisms of cancer-related cardiomyopathy	Featured Symposium	04.00 - Myocardium	5	40	52	26%	less 50	200	08/07 /2016 17:00
Dysfunctional adipocytes in cardiovascular biology	Featured Symposium	05.00 - Integrative mechanisms, diagnostic and therapeutic approaches	5	60	60	30%	50-100	200	09/07 /2016 08:30
The role of microdomains in beta-adrenoreceptor signalling	Featured Symposium	02.00 - Molecular and cellular biology	5	60	60	30%	50-100	200	09/07 /2016 13:30
Platelets: old players revisited	Featured Symposium	03.00 - Atherosclerosis , thrombosis and vascular biology	4	60	60	30%	50-100	200	09/07 /2016 15:30
Developmental basis of cardiac inherited diseases	Featured Symposium	04.01 - Calcium fluxes and excitation-contraction coupling	5	20	60	30%	50-100	200	10/07 /2016 08:30
Sciences within European Young Researcher Community	Featured Symposium	05.00 - Integrative mechanisms, diagnostic and therapeutic approaches	5	40	70	10%	50-100	700	09/07 /2016 15:30

Macrophages: new frontier in cardiovascular medicine	Featured Symposium	02.00 - Molecular and cellular biology	5	75	75	21%	50-100	350	10/07 /2016 08:30
Control of rhythm and rate	Featured Symposium	02.00 - Molecular and cellular biology	4	35	78	22%	50-100	350	09/07 /2016 15:30

2.4 Abstracts

Overview by all status – comparison with previous years

This chart does not include Late-breaking science abstracts as they have been submitted after

	2014	2016
Submitted	698	522
Not validated & Withdrawn	13	9
Accepted	657	446
Rejected	28	28
Withdrawn after acceptance	56	23
Acceptance rate	94%	85%
No show	79	35

Composition of the sessions

Sessions assignment: number of abstract for each session type

Session Type	2014	2016
YIA Abstract presentation	6	12
Oral abstract presentation (Late Breaking science)	N/A	6
Featured Presentation	63	63
Poster Presentation	588	359
Moderated posters	N/A	22
Grand Total	657	462

By Topic

Topic	Accepted	Accepted Withdrawn	No show	Presented
01.01 - Morphogenetic mechanisms	4	1		3
01.02 - Developmental genetics	3		2	1
02.01 - Cell growth, differentiation and stem cells - Heart	30	1	1	28
02.02 - Cell growth, differentiation and stem cells - Vascular	7	2	1	4
02.03 - Cell death and apoptosis - Heart	7			7
02.04 - Cell death and apoptosis - Vascular	2			2
02.05 - Transcriptional control and RNA species - Heart	12		1	11
02.06 - Transcriptional control and RNA species - Vascular	5			5
02.07 - Cytokines and cellular inflammation - Heart	17	2		15
02.08 - Cytokines and cellular inflammation - Vascular	12		3	9

02.09 - Growth factors and neurohormones - Heart	6			6
02.10 - Growth factors and neurohormones - Vascular	2	1	1	
02.11 - Signal transduction - Heart	13		1	12
02.12 - Signal transduction - Vascular	6			6
02.13 - Nitric oxide and reactive oxygen species - Heart	5			5
02.14 - Nitric oxide and reactive oxygen species - Vascular	8	2		6
02.15 - Cytoskeleton and mechanotransduction - Heart	2	1		1
02.16 - Cytoskeleton and mechanotransduction - Vascular	1			1
02.17 - Extracellular matrix and fibrosis - Heart	14		1	13
02.18 - Extracellular matrix and fibrosis - Vascular	5			5
02.19 - Ion channels, ion exchangers and cellular electrophysiology - Heart	21			21
03.01 - Vasculogenesis, angiogenesis and arteriogenesis	15			15
03.02 - Microcirculation	7	1	1	5
03.03 - Endothelium	21	1	5	15
03.04 - Smooth muscle and pericytes	5		2	3
03.05 - Lipids	4		1	3
03.06 - Coagulation, thrombosis and platelets	6		1	5
03.07 - Atherosclerosis	33	3	1	29
04.01 - Calcium fluxes and excitation-contraction coupling	14	2	2	10
04.02 - Contractile apparatus	4			4
04.03 - Oxygen sensing, ischaemia and reperfusion	18	2	2	14
04.04 - Hibernation, stunning and preconditioning	5		1	4
04.05 - Mitochondria and energetics	9		1	8
04.06 - Cardiomyopathies and fibrosis	35	1		34
05.01 - Gender issues	1			1
05.02 - Aging	10	1	1	8
05.03 - Genetics and epigenetics	12		2	10
05.04 - Genomics, proteomics, metabolomics, lipidomics and glycomics	9		1	8
05.05 - Computer modelling, bioinformatics and big data	1			1
05.06 - Metabolism, diabetes mellitus and obesity	20	2		18
05.07 - Arterial and pulmonary hypertension	12			12
05.08 - Biomarkers	18		3	15
05.09 - Invasive, non-invasive and molecular imaging	3			3
05.10 - Gene therapy and cell therapy	9	1		8
05.11 - Tissue engineering	9		1	8
Grand Total	462	24	36	402

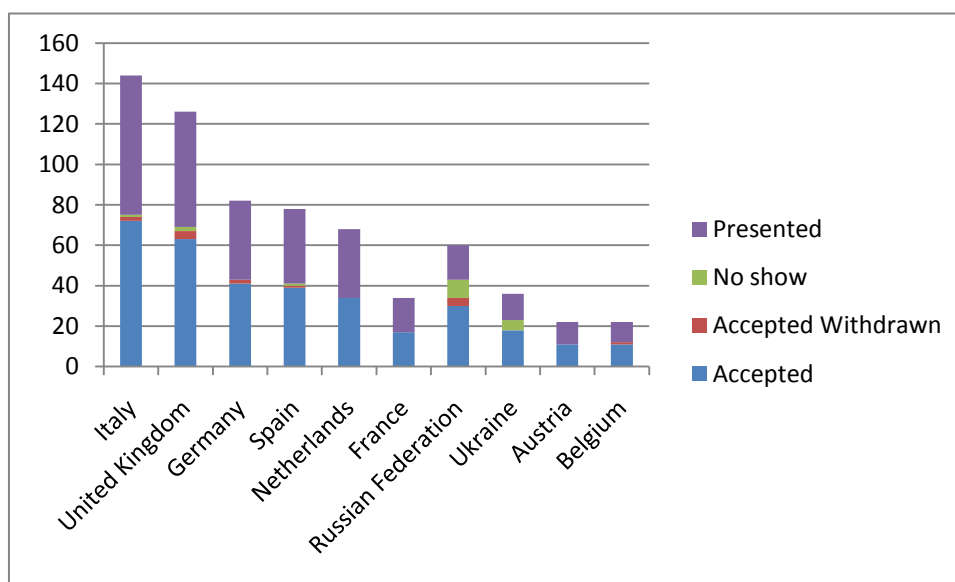
Abstracts by country

Country	Accepted	Accepted Withdrawn	No show	Presented
Australia	4			4
Austria	11			11
Belarus	3	2		1
Belgium	11	1		10
Brazil	6			6
Bulgaria	2		1	1
Canada	2		1	1
China	4	2	2	
Czech Republic	4			4
Denmark	1		1	
Egypt	3		2	1
Finland	6			6
France	17			17
Georgia Republic of	1			1
Germany	41	2		39
Greece	4	1	1	2
Hong Kong	1			1
Hungary	8		1	7
India	1		1	
Ireland	5		1	4
Israel	3			3
Italy	72	2	1	69
Japan	4		1	3
Korea Republic of	4		1	3
Malta	1			1
Mongolia	1		1	
Morocco	1		1	
Nepal	1	1		
Netherlands	34			34
Norway	1			1
Poland	6			6
Portugal	2			2
Romania	9		1	8
Russian Federation	30	4	9	17
Serbia	1		1	
Singapore	1	1		
Slovak Republic	6			6
South Africa	4			4
Spain	39	1	1	37
Sweden	3		1	2
Switzerland	7			7
Taiwan ROC	3	1		2
Tanzania	1	1		

Turkey	1			1
Ukraine	18		5	13
United Arab Emirates	1			1
United Kingdom	63	4	2	57
United States of America	7	1		6
Uzbekistan	3			3
Grand Total	462	24	36	402

Top ten countries

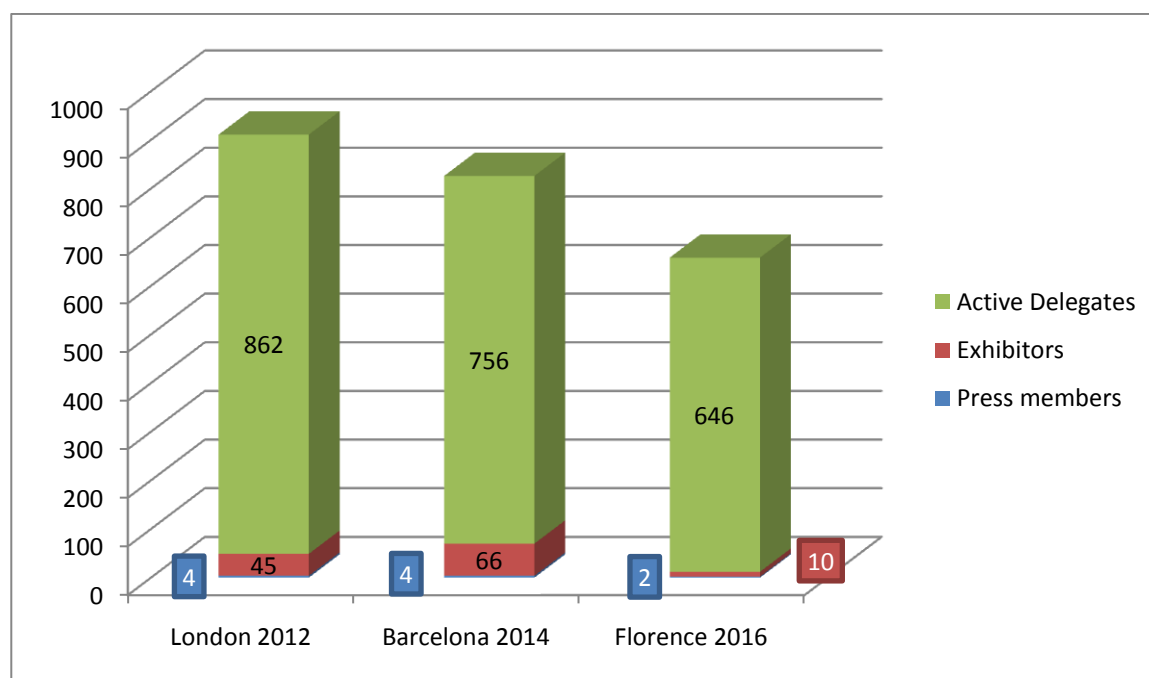
Country	Accepted	Accepted Withdrawn	No show	Presented
Italy	72	2	1	69
United Kingdom	63	4	2	57
Germany	41	2		39
Spain	39	1	1	37
Netherlands	34			34
France	17			17
Russian Federation	30	4	9	17
Ukraine	18		5	13
Austria	11			11
Belgium	11	1		10



3. Registration & attendance

3.1 Overview & Comparison with previous years

	2012 London	2014 Barcelona	2016 Florence	+/- 2014/2016
Active delegates	862	756	646	-110
Press members	4	4	2	-2
Exhibitors	45	66	10	-56
TOTAL	911	826	658	-168



3.2 Comparison by type of registration

List of fees available in 2016:

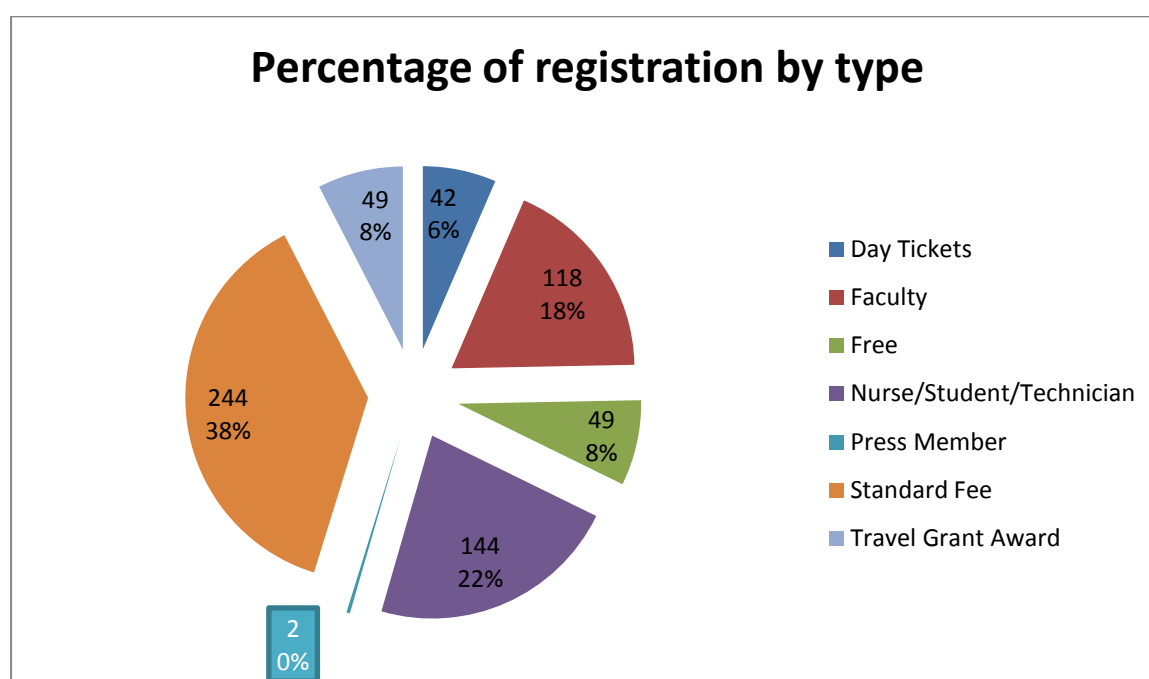
Fee Structure	Early Fee	Late Fee	Last Minute/Onsite Fee
Day Ticket	€170	€170	€170
Nurse/Student/Technician	€170	€205	€205
Standard	€395	€445	€445
Get Together Networking Event (extra)	€30	€30	€30

What was included in the registration fee:

- Access to scientific sessions and the exhibition area
- Networking reception on the first day
- Lunch bags and coffee breaks
- Online subscription to the Journal on Cardiovascular Research for both paying and free registrations

Distribution of attendance by type of fee in 2016:

	Early Fee	Late Fee	Last Minute/Onsite	TOTAL
Day Tickets	11	12	19	42
Faculty (free)	0	107	11	118
Free Registration (free)	0	1	48	49
Nurse/Student/Technician	112	18	14	144
Press Member	0	0	2	2
Standard Fee	169	39	36	244
Travel Grant Award (reduced fee)	6	41	2	49
Get Together Networking Event (extra)	89	33	47	169
TOTAL (excluding extra)	298	218	132	648



Distribution of attendance by type of fee – comparison with previous years:

	2012 London	2014 Barcelona	2016 Florence	Difference +/- 2014/2016
Day Tickets	39	59	42	-17
Faculty	153	132	118	-14
Free Registration	4	0	49	+49
Nurse/Student/Technician	204	205	144	-61
Press Member	4	4	2	-2
Standard Fee	405	316	244	-72
Travel Grant	57	44	49	+5
TOTAL	866	760	648	-112

Notes:

- For 2012 and 2014, the Faculty category also encompasses Core Scientific Committees, Programme Committees, and ISHR Faculty Members, which were not represented in 2016.

3.3 Breakdown of attendance by country of origin

Country	2012 London	2014 Barcelona	2016 Florence	2016 % of participation
Albania	0	1	0	0,00%
Algeria	0	10	0	0,00%
Argentina	1	0	0	0,00%
Australia	0	3	7	1,08%
Austria	15	0	14	2,16%
Azerbaijan	0	1	0	0,00%
Belarus	3	2	1	0,15%
Belgium	28	16	21	3,24%
Brazil	6	5	1	0,15%
Bulgaria	4	1	1	0,15%
Canada	3	11	3	0,46%
Chile	0	2	0	0,00%
China People's Republic of	1	2	1	0,15%
Colombia	0	1	0	0,00%
Cyprus	0	2	0	0,00%
Czech Republic	8	7	5	0,77%
Denmark	9	7	0	0,00%
Egypt	0	1	1	0,15%
Finland	11	7	8	1,23%
France	39	44	36	5,56%
Georgia Republic of	0	1	2	0,31%
Germany	90	78	55	8,49%
Greece	61	11	9	1,39%
Hong Kong SAR People's Republic of China	0	0	2	0,31%
Hungary	14	36	10	1,54%
India	1	0	0	0,00%
Indonesia	1	3	1	0,15%
Ireland	0	0	5	0,77%
Israel	2	3	5	0,77%
Italy	69	60	143	22,07%
Japan	10	7	10	1,54%
Korea Republic of	1	4	5	0,77%
Latvia	3	0	0	0,00%
Lebanon	0	1	0	0,00%
Lithuania	1	1	0	0,00%
Luxembourg	4	4	0	0,00%
Malta	0	0	1	0,15%
Mexico	0	2	0	0,00%
Moldova Republic of	1	1	0	0,00%
Mongolia	0	1	1	0,15%
Morocco	0	0	1	0,15%
Netherlands	67	56	55	8,49%

New Zealand	4	1	0	0,00%
Nigeria	0	0	3	0,46%
Norway	14	28	5	0,77%
Poland	6	2	5	0,77%
Portugal	11	19	1	0,15%
Qatar	1	2	0	0,00%
Romania	2	6	14	2,16%
Russian Federation	24	20	22	3,40%
Saudi Arabia	1	0	0	0,00%
Serbia	2	0	0	0,00%
Slovak Republic	3	13	3	0,46%
South Africa	0	7	2	0,31%
Spain	43	94	42	6,48%
Sweden	17	10	10	1,54%
Switzerland	14	17	16	2,47%
Taiwan ROC	7	2	2	0,31%
Thailand	4	0	0	0,00%
Tunisia	1	0	0	0,00%
Turkey	1	2	1	0,15%
Ukraine	2	7	13	2,01%
United Arab Emirates	0	1	2	0,31%
United Kingdom	239	110	88	13,58%
United States of America	16	26	15	2,31%
Uzbekistan	1	0	0	0,00%
Vietnam	0	1	0	0,00%
TOTAL	866	760	648	

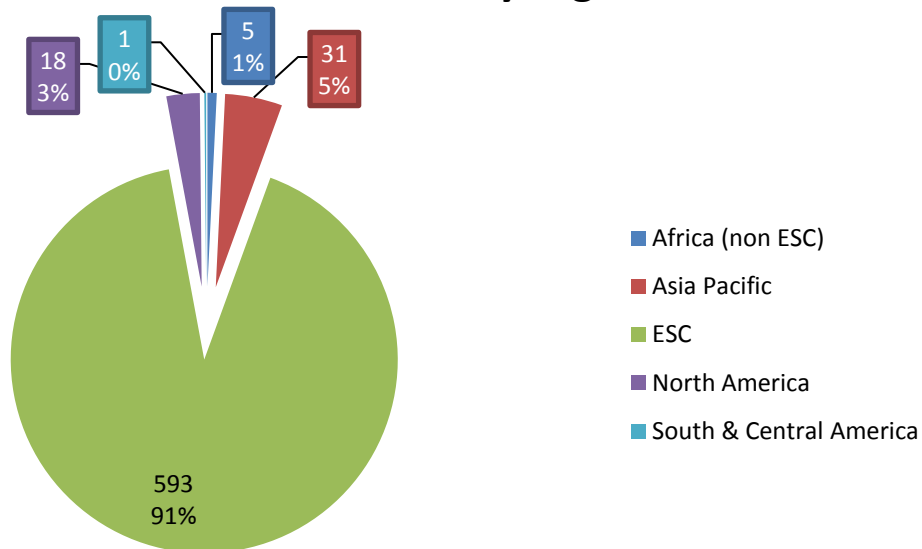
Top 10 in 2016:

Rank	Country	2012 London	2014 Barcelona	2016 Florence
1	Italy	69	60	143
2	United Kingdom	239	110	88
3	Germany	90	78	55
4	Netherlands	67	56	55
5	Spain	43	94	42
6	France	39	44	36
7	Russian Federation	24	20	22
8	Belgium	28	16	21
9	Switzerland	14	17	16
10	United States of America	16	26	15

3.4 Breakdown of attendance by region of origin

Region	2012 London	2014 Barcelona	2016 Florence
Africa (non ESC)	0	7	5
Asia Pacific	32	28	31
ESC	808	678	593
North America	19	39	18
South & Central America	7	8	1
TOTAL	866	760	648

Breakdown of attendance by region in 2016



4. ESC stand report

Type of stand

- Size 9m²
- Equipment delivered on-site:
 - One cupboard with tabletop
 - One table and 2 chairs
 - One stool
 - 2 brochure racks

Staff attending

- Susan Del Gaiso
- Lea Bergamaschi

Figures 2016

- Total of 645 participants from over 40 countries.
- There were a total of 4 stands (including ESC and OUP stands)
- Very small number of new members created on the stand.

Distributed documents

- 983 documents were sent and 416 documents distributed (42%)
- What worked best?
 - 134 / 200 ESC Congress magnets were handed out
 - 219 / 250 Guidelines
- What worked?
 - Only 10 Education & Training brochures arrived but they were all picked up by delegates.
 - ESC Congress in review: 19 / 25 were picked up.
- What did not work?
 - ESC Congress calendars 10 / 80 distributed
 - FCVB Posters 2016 and 2018 – almost none taken (why not have first announcements?)
 - ESC Congress first announcements.
- Journals:
 - 102 journals distributed (not only CVR but also “clinical” journals)

Logistics and Location

The location of the stand was good as it was in the middle of the exhibition the catering and the poster areas. FCVB attendees are not really interested in the type of corporate stand represented by the ESC stand. They are interested in stands that demonstrate a real scientific “product”. They attend the poster sessions during breaks.

The SOTs had a small area. Despite communication they did not seem to attract delegates (no feedback from them as yet – 12 July 2016). However this was an area for them to meet colleagues and have an official meeting place.

Recommendations:

- Select appropriate ESC guidelines for the audience (there were requests for the recent heart failure guidelines).

Report to be reviewed by Stands coordinator (GR) once completed.

5. Marketing survey

Introduction

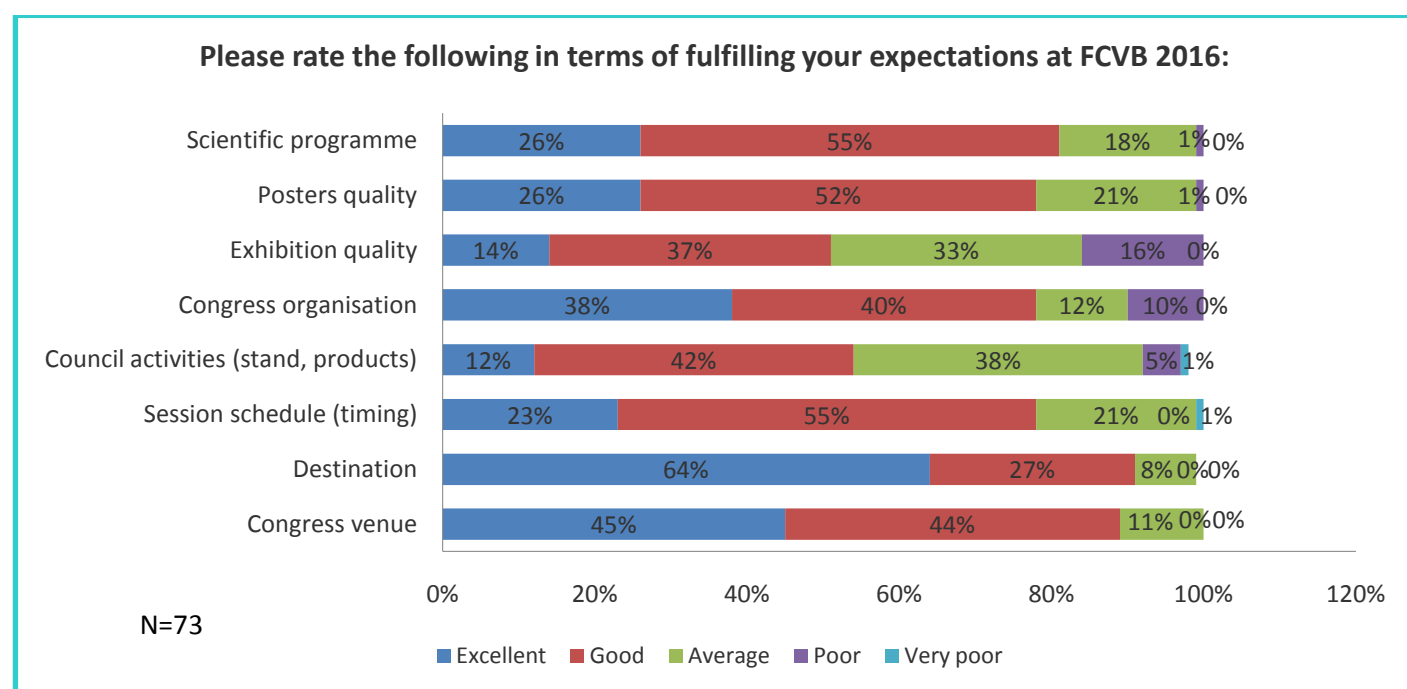
This survey was sent to 648 participants. **73** responses were collected during 15 days which represents **11%** of response rate.

The response rate is quite lower than the previous FCVB 2014 (18%) with 580 participants. However the main objective of the survey was to understand the various factors which would drive the attendee's for future participations.

The following results have been categorised into 3 parts: Congress satisfaction level, Decision making process of respondent's and Delegates awareness of the council activities.

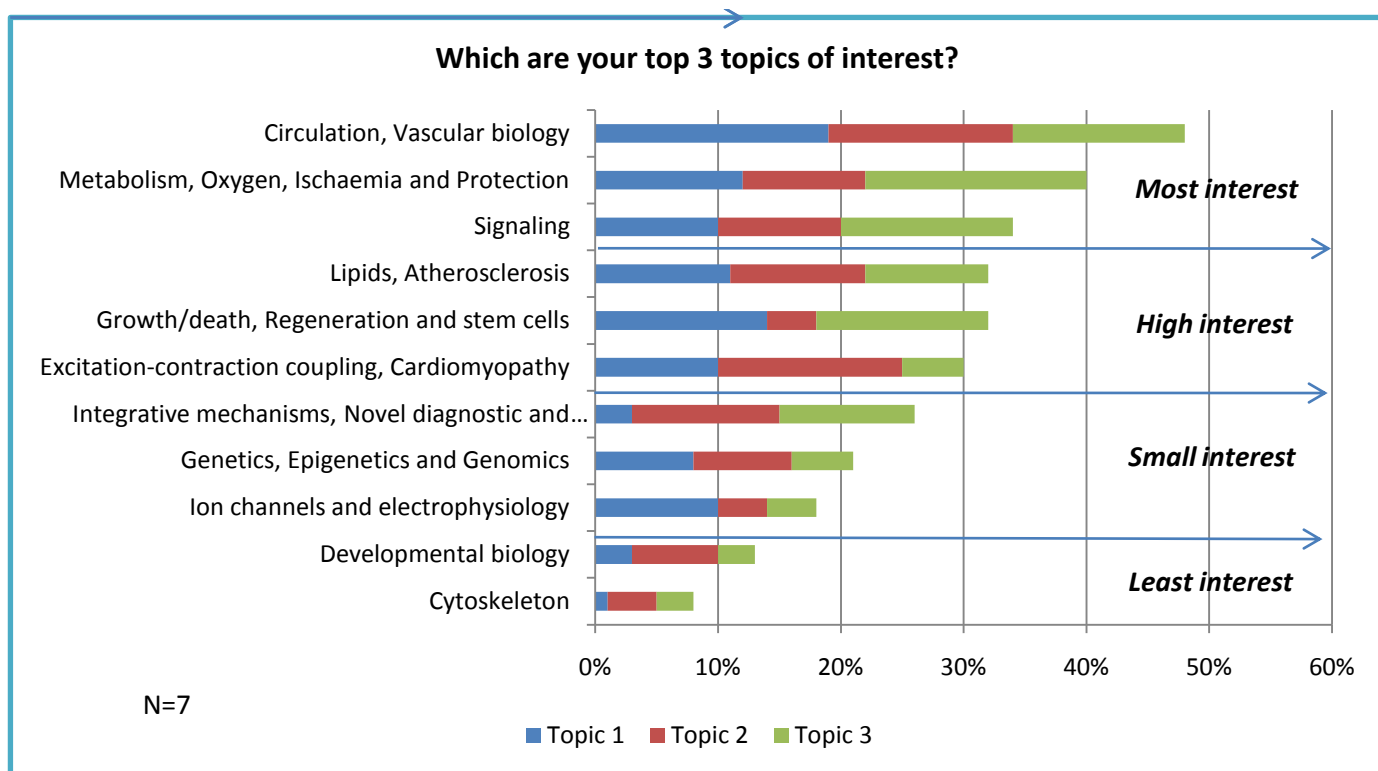
5.1 Congress satisfaction level

The respondents satisfaction level has comparatively increased compared from FCVB 2014 70% to around 80% of the current year's respondent's answers were 'Excellent' and 'Good'.



The destination (91%) and the Congress venue (89%) were most appreciated by respondents. The other aspects had quite reasonable ratings apart from 'Exhibition quality' (33%) and 'Council activities' (38%). The FCVB 2014 too had the similar ratings as this year's edition. These are the 2 areas where there is scope of improvement.

The following question was asked to know the respondent's top 3 topics of interest which would help us to focus on prioritising the topics in future FCVB Congress.

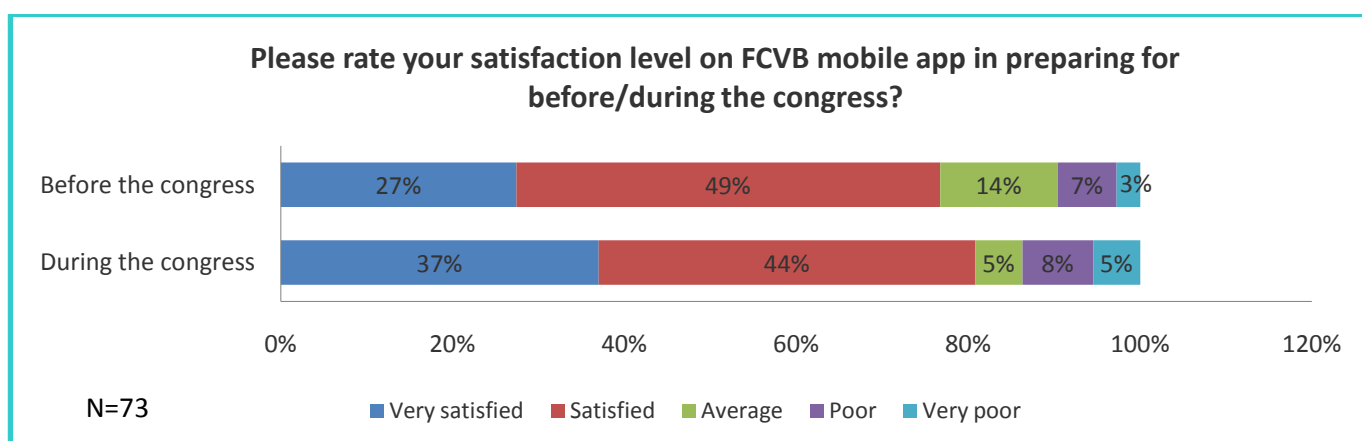


The most/highly interesting topic chosen by the respondent's are circulation, vascular biology (48%), metabolism, oxygen, ischaemia and protection (40%), signalling (34%), growth/death and genomics (32%) and lipids, atherosclerosis (32%).

Cytoskeleton (8%) and developmental biology (13%) these topics had a very less interests shown by the respondents. Hence the following topics can be given less importance compared to other topics.

The most interested topic rated by the respondents is circulation, vascular biology. It would be very important to consider and give top preference to this topic while organising future FCVB Congress to be in line with the respondent's expectations.

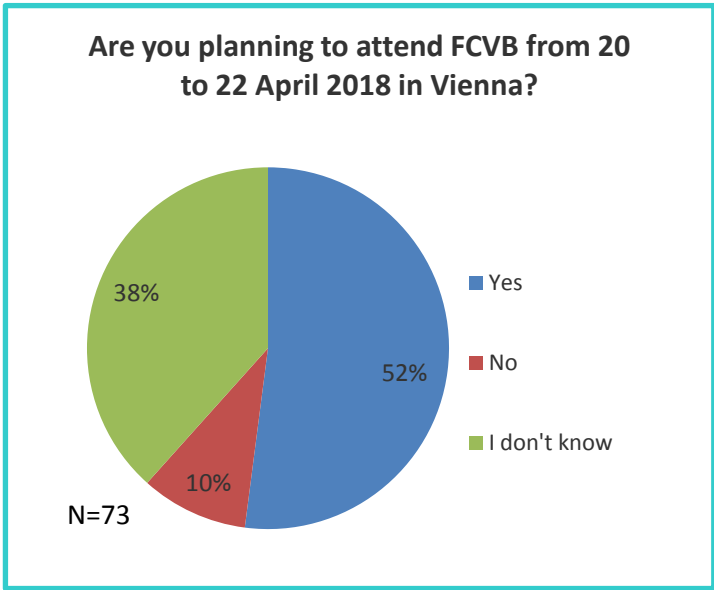
To know about the attendee's source of information through mobile app the following question was asked, the final programme was not available in the current Congress edition.



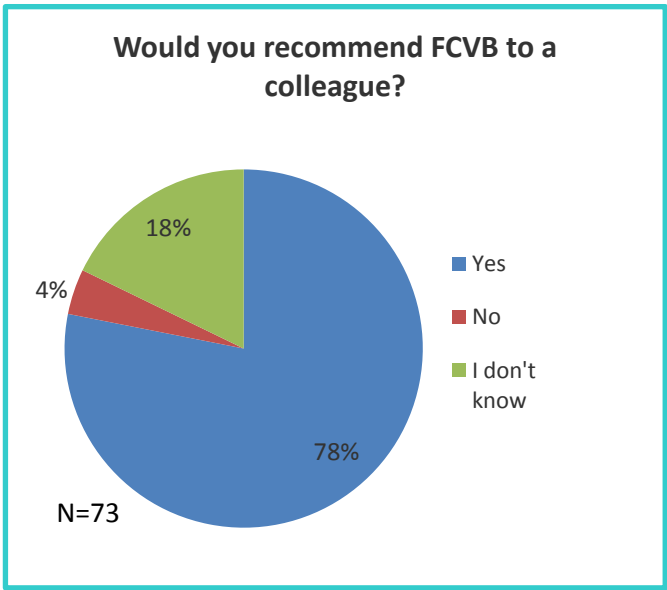
As observed in the above graph the respondents were quite happy with using mobile app as the only source of information before and during the Congress. 76% of respondents were very satisfied and satisfied before the Congress and 81% during the Congress.

The above insights are really interesting as the respondents did not encounter any kind of problem without the final programme. The decision to keep mobile app only as the source of information before and during the Congress is heading in the right direction.

The satisfaction level of the respondent’s can also be measured depending on their decision to attend the Congress in 2018.



In the graph we can see that 52% of the respondents are planning to attend FCVB 2018 in Vienna. There is a slight increase in the numbers compared to previous FCVB (47%). 38% of the respondents answered they were not sure of attending. This fact can be accepted as FCVB Congress is conducted once in 2 years. 10% of the respondents answered that they won’t attend the next FCVB. This can be something where further research could be done to identify the cause as the numbers have increased compared to last FCVB (2%).



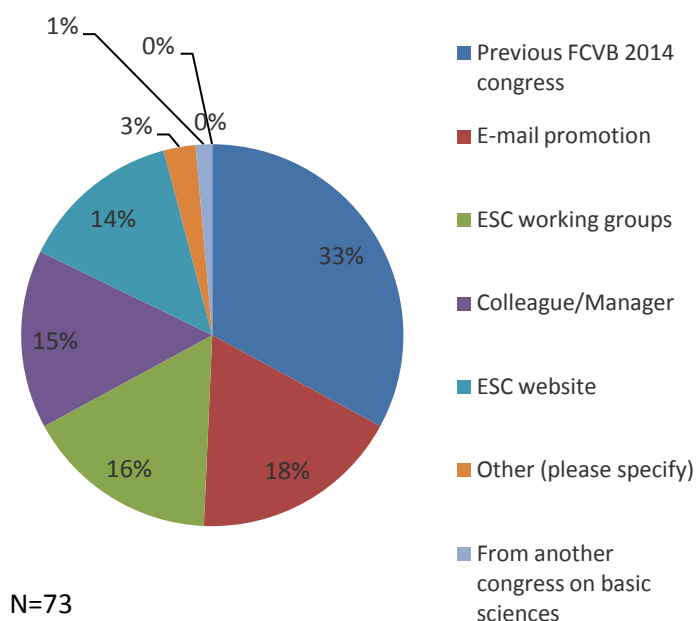
The recommendation level of FCVB respondents is quite high where 78% of the respondents replied that they would recommend it to a colleague. 4% of the respondents answered no and remaining 18% said they don’t know. The higher percentage of yes can be because of the quality of scientific content and the programme provided to the respondents. Hence efforts need to be put to maintain the quality of the programme.

5.2 Decision making process

In-order to know about the elements which influence the respondents to attend the Congress, here are the set of questions which will help us to identify the elements of decision making process.

Here is a question to understand about the source through which the respondents were aware about the FCVB Congress 2016.

Where did you first hear about FCVB 2016?



The respondents were aware of FCVB 2016 through multiple sources.

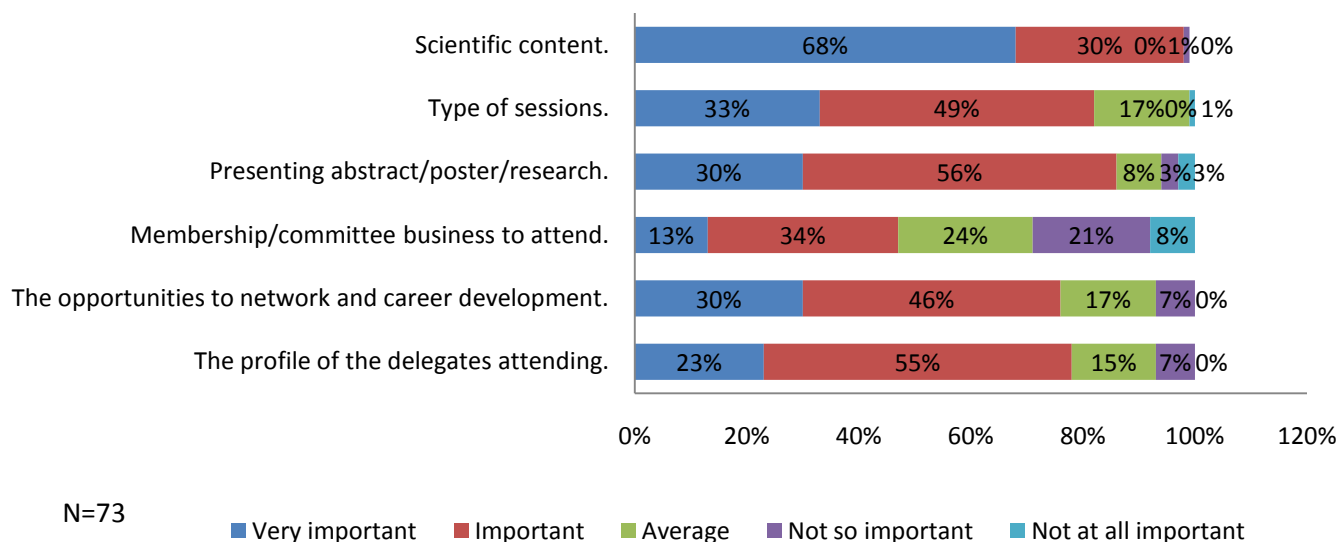
Almost half of the respondents first heard about the FCVB 2016 from the 2 main sources which are from previous FCVB 2014 Congress and E-mail promotion consisting 51%.

The other sources were from ESC working group (16%), colleague/ manager (15%), ESC website (14%).

Other than hearing from colleague/ manager, all the source of awareness were through ESC channels which give an impression of having very effective communication channels of ESC and FCVB.

The following question identifies some of the factors which influenced the respondent's decision to attend.

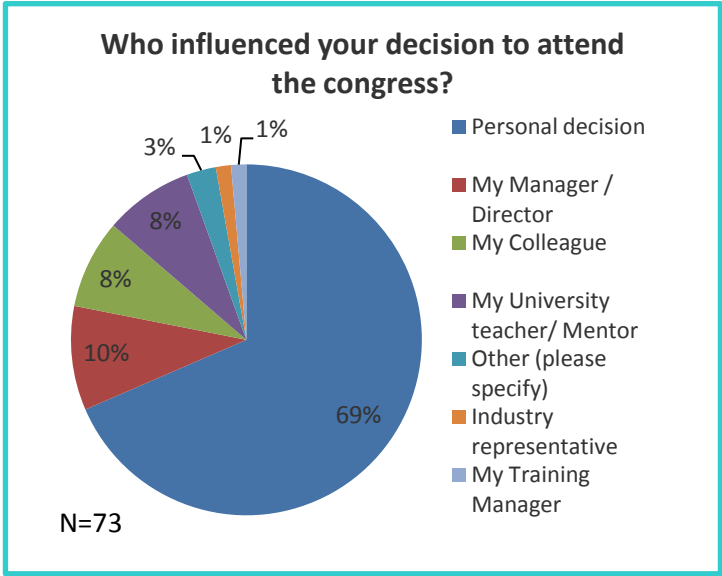
Please rate the importance of the following factors in your decision to attend FCVB 2016.



The top 3 factors rated by the respondent's as very important are scientific content (99%), presenting abstract/ poster/ research (86%) and type of sessions (82%).

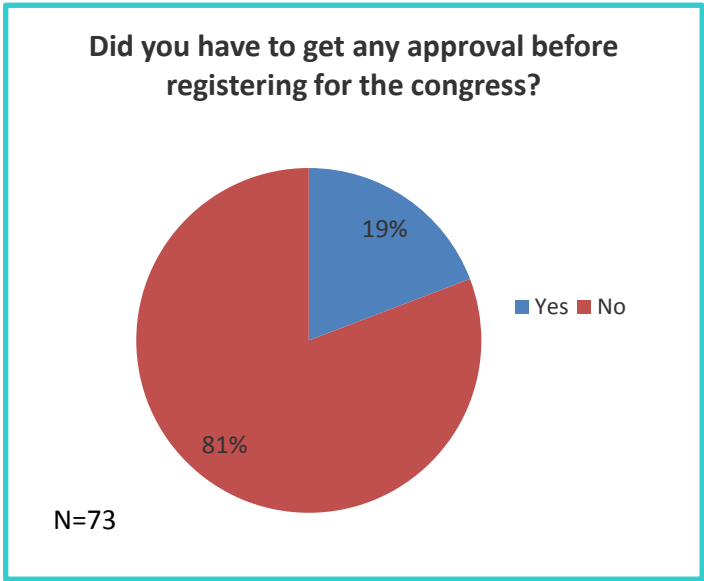
The other factors also had a quite equal level of importance such as networking and career development (76%), and profile of delegates attending (78%) rated them as very important and important. The least important factor was the membership/ committee business to attend (47%) because not all of them have any business to attend. However the most important factor for the respondent's to attend the Congress was simply because of 'Scientific content' (99%). Almost all the respondents indicated it as very important factor so, it is very necessary to maintain the quality of the scientific content.

Another element which drives decision making process is the person who is responsible for influencing their decision to attend the Congress. The following question answers this particular element.



Almost 70% of the respondent’s answers were personal decision. Some of the other individuals were manager/director (10%), colleagues (8%), and university teacher/mentor (8%). Industry representative (1%) and training manager (1%) were at the least influencing individuals.

We shall now see the last element of decision making factor that whether the respondents had to go through any approval before registering for the Congress.

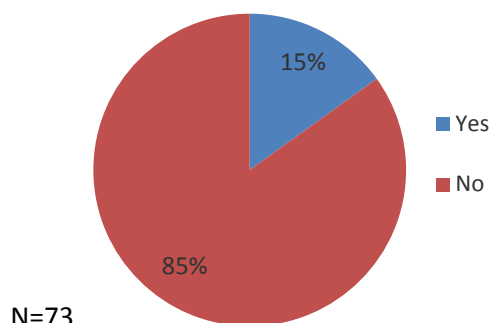


81% of the respondents needed no approval or permission but can be limited to informing their managers before registering for the Congress. Just 19% of respondents needed an approval to register for the Congress. This clearly indicates that the approval factor for registrations is the least affecting for any decline of registrations in the future FCVB Congresses.

5.3 Delegates awareness of the Council’s activities

FCVB is organised by the ESC Council on Basic Cardiovascular Science (CBCS) and they also propose grants to allow young cardiovascular scientists to visit a host institution, propose funding for one-year fellowship in Europe and honours independent researchers in the early stage of their career. The following question was asked to know if the respondents had got any CBCS travel grants to help them attend the ESC Congress.

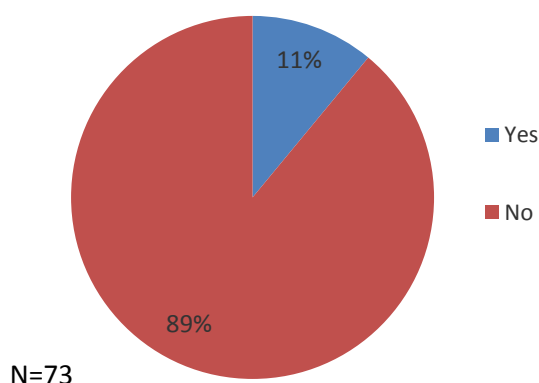
FCVB is organised by the ESC Council on Basic Cardiovascular Science (CBCS). Have you already benefited from a CBCS travel grant to help you attend ESC Congress?



15% of the respondents were benefited from CBCS travel grant. There is slight increase in the percentage of respondents who were benefited from this grant when compared FCVB 2014's (13%). 85% of respondent's didn't benefit from any CBCS travel grant.

The following question aims in providing educational courses given to basic scientists.

Have you attended the Basic Science Summer School?



Just 11% of respondents have attended the Basic science summer school and rest 89% of the respondent's did not attend.

These figures show that the Summer school will need an intensive promotion to obtain a large number of participants.

5.4 Conclusion

The destination (91%) and the Congress venue (89%) were most appreciated by respondents. The other aspects had quite reasonable ratings apart from 'Exhibition quality' (33%) and 'Council activities' (38%). FCVB 2014 had similar ratings as this year's edition. These are the 2 areas where there is scope of improvement.

The most interested topic rated by the respondents is circulation, vascular biology. It would be very important to consider and give top preference to this topic while organising future FCVB Congress to be in line with the respondent's expectations.

Majority of the respondents did not encounter any kind of problem without the final programme. The decision to keep mobile app only as the source of information before and during the Congress is heading in the right direction.

Other than hearing from colleague/ manager, all the source of awareness were through ESC channels which give an impression of having very effective communication channels of ESC and FCVB.

The most important factor for the respondent's to attend the Congress was simply because of 'Scientific content' (99%). Almost all the respondents indicated it as very important factor so, it is very necessary to maintain the quality of the scientific content.

The approval factor for registrations is the least affecting for any decline of registrations in the future FCVB Congresses as 81% of respondents didn't had to take any approval but might have needed to inform their managers.

The attendance to basic science summer school is less (11%). Here efforts need to be put to effectively communicate in-order to increase the awareness among the respondents.