EHRA SUMMIT 2015 - EHRA ACTIVITIES 2015

Prof. Karl-Heinz Kuck, FESC (Germany)
EHRA PRESIDENT

Heart House 26.3.2015
EHRA

• EHRA is a registered branch of the European Society of Cardiology

• 1st sub-specialty Association created within the ESC

• A very active sub speciality of the ESC

• Our goal is to proceed with our mission: “To improve the quality of life of the European population by reducing the impact of cardiac arrhythmias and reduce sudden cardiac death” in the 56 countries of the ESC

• Paying membership to date: more than 1710 members
• **Strategic partnership with**

  - WG of E-Cardiology
  - WG of CE
  - New - WG of GUCH
  - **New** - Association for European Pediatric and Congenital Cardiology (AEPC) (President: Eero Jokinen, Finland)
  - Reed (Cardiostim)
EHRA Committees 2013 – 2015

CONGRESS SCIENTIFIC PROGRAMME

Prof. C. Linde, FESC, Sweden, EHRA Chair
Prof. M. Gilson, FESC, Israel, EHRA Co-Chair

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Prof. P. Jais, France, Cardiostim Co-Chair

Members
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Dr. M.G. Bongiorni, Italy
Prof. G. Boriani, FESC, Italy
Dr. G.L. Botto, Italy
Dr. M. Brignole, FESC, Italy
Prof. J. Brugada, Spain
Prof. P. Daubert, FESC, France
Dr. T. de Potter, Belgium
Prof. J-C. Deharo, FESC, France
Dr. P. Dell’Ava, Italy
Prof. P. Ehrlich, Germany
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Dr. F. Halimi, France
Prof. J. Hastrup Svendsen, FESC, Denmark
Dr. D. Hayes, USA
Prof. H. Heidbüchel, FESC, Belgium
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Dr. V. Kutyifa, FESC, USA
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Dr. E. Rosenthal, UK
Dr. S. Sacher, France
Prof. G. Schmidt, Germany
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Prof. C. Sticherling, Switzerland
Prof. L. Padeletti, Italy
Prof. I. van Gelder, Netherlands
Dr. S. Viskin, Israel
Prof. P. Volders, Netherlands
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Prof. D. Zipes, EFESC, USA

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Dr. N. Linker, FESC, UK,
Chair sub-section AP

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Dr. P. Peichi, Czech Republic
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EHRA Committees 2013 -2015

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Prof. L. Saghy, Hungary

Prof. M. Cowie, FESC, UK  
Dr. C. Kierry, Italy  
Dr. G.H. Mailresse, FESC, Belgium

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Dr. C. Kierry, Italy  
Dr. G.H. Mailresse, FESC, Belgium

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Members  
Dr. A. Metzner, Germany  
Dr. G. Rakauskas, Lithuania  
Prof. L. Szumowski, Poland

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Prof. P. Kirohov, FESC, UK, Chair

Members  
Prof. A. Goette, Germany  
Dr. L. Mont, FESC, Spain  
Prof. P.J. Schwartz, FESC, Italy  
Dr. D. Shah, Switzerland

**NOMINATING**

Prof. A. Auricchio, FESC, Switzerland, Chair

Members  
Prof. M. Brignole, FESC, Italy  
Prof. H. Crijns, FESC, Netherlands  
Prof. J.-C. Deharo, FESC, France  
Prof. H. Klein, FESC, Germany  
Prof. G. Marinski, FESC, Lithuania

**NATIONAL SOCIETIES**

Prof. L. Padeletti, Italy, Chair  
Prof. J. Kautzner, FESC, Czech Republic, Co-Chair

Members  
Dr. D. Armbr, FESC, Iceland  
Dr. M. Duyschaefer, Belgium  
Prof. M. Eldar, FESC, Israel  
Dr. N. Linker, FESC, UK  
Dr. F. Morgado, Portugal  
Prof. H. Püerefellner, FESC, Austria  
Prof. P. Raatikainen, FESC, Finland  
Dr. T. Steen, Norway  
Dr. R.-G. Vatașescu, Romania  
Dr. X. Vinolas, Spain

**SCIENTIFIC DOCUMENTS**

Prof. G.Y.H. Lip, FESC, UK, Chair  
Prof. B. Gorenek, FESC, Turkey, Co-Chair

Members  
Prof. G. Boriani, FESC, Italy  
Dr. M. Brignole, FESC, Italy  
Prof. G.-A. Dan, FESC, Romania  
Prof. L. Fauchier, FESC, France  

Dr. M. Gulizia, FESC, Italy  
Prof. H. Heidbüchel, FESC, Belgium  
Dr. D. Lane, UK  
Dr. F. Marin, Spain

Dr. A. M. Mitjans, FESC, Spain  
Dr. I. Savelieva, FESC, UK  
Prof. C. Sticherling, FESC, Switzerland  
Prof. M.A. Vos, Netherlands

www.escardio.org/EHRA
### SCIENTIFIC INITIATIVES

**Prof. C. Blomström-Lundqvist, FESC, Sweden, Chair**

**Dr. M.G. Bongiorni, FESC, Italy, Co-Chair**

**Members**
- Dr. J. Chen, Norway
- Prof. N. Dagres, Greece
- Dr. H. Estner, Germany
- Dr. M. Hocini, France
- Dr. T.B. Larsen, Denmark
- Assoc. Prof. A. Madrid, Spain
- Dr. L. Pison, Netherlands
- Asst. Prof. T. Potpara, FESC, Serbia
- Dr. A. Proclemer, Italy
- Dr. E. Sciaraffia, Sweden
- Dr. D. Todd, UK

### TRAINING FELLOWSHIPS

**Prof. J.L. Merino, Spain, Chair**

**Dr. E. Wissner, Germany, Co-Chair**

**Members**
- Prof. E. Aliot, FESC, France
- Dr. A. Berruezo, Spain
- Dr. P. Raatikainen, FESC, Finland
- Prof. L. Szumowski, Poland
- Prof. C. Wolpert, FESC, Germany

### WEBSITE AND COMMUNICATIONS

**Prof. M. Didanko, Russia, Chair**

**Prof. H. Püerrerfellner, FESC, Austria, Co-Chair**

**Members**
- Dr. N. de Groot, Netherlands
- Dr. D. Lane, UK
- Assoc. Prof. A. Madrid, Spain
- Dr. M. Martinek, Austria
- Dr. C. Mayer, Germany
- Dr. A. Romanov, FESC, Russia
- Prof. R. Schilling, FESC, UK
- Ms. M. True Hills, USA

### WOMEN IN EP

**Prof. A. Sarkozy, Belgium, Chair**

**Members**
- Dr. M.G. Bongiorni, FESC, Italy
- Dr. C. Gonzales, Belgium
- Dr. M. Greco, FESC, Romania
- Prof. S.G. Priori, FESC, Italy
- Prof. R. Schilling, FESC, UK

### YOUNG EP

**Dr. T. de Potter, Belgium, Chair**

**Members**
- Dr. E. Arbelo, Spain
- Dr. V. Kutylia, FESC, Hungary
- Dr. A. Metzner, Germany
- Dr. M. Pazdernik, Czech Republic

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[www.escardio.org/EHRA](http://www.escardio.org/EHRA)
• EHRA Rules for Early Resignation:

  • Attendance to 50% of personal meetings and telephone conferences
  • Delivery of at least 75% of assigned tasks within 3 weeks of the pretended time are expected
# EHRA Membership Status (to date – 27/02/2015)

## Countries Top 10 Ranking

<table>
<thead>
<tr>
<th>Country</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spain</td>
<td>151</td>
</tr>
<tr>
<td>Germany</td>
<td>142</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>75</td>
</tr>
<tr>
<td>Italy</td>
<td>73</td>
</tr>
<tr>
<td>Netherlands</td>
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<tr>
<td>France</td>
<td>51</td>
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<tr>
<td>Switzerland</td>
<td>46</td>
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<tr>
<td>Colombia</td>
<td>45</td>
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<tr>
<td>Brazil</td>
<td>37</td>
</tr>
<tr>
<td>Romania</td>
<td>28</td>
</tr>
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</table>

## EHRA Membership

<table>
<thead>
<tr>
<th>Year</th>
<th>Membership</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>863</td>
</tr>
<tr>
<td>2011</td>
<td>1363</td>
</tr>
<tr>
<td>2012</td>
<td>1600</td>
</tr>
<tr>
<td>2013</td>
<td>1704</td>
</tr>
<tr>
<td>2014</td>
<td>1789</td>
</tr>
<tr>
<td>2015</td>
<td>1254</td>
</tr>
</tbody>
</table>

## Membership Costs 2015

<table>
<thead>
<tr>
<th>Category</th>
<th>Basic membership (per year)</th>
<th>Online Membership (per year)</th>
<th>Full Membership (per year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physicians</td>
<td>60 €</td>
<td>110 €</td>
<td>195 €</td>
</tr>
<tr>
<td>Allied professionals, Under 35, Non-clinicians, Basic Scientist</td>
<td>50 €</td>
<td>85 €</td>
<td>180 €</td>
</tr>
</tbody>
</table>

www.escardio.org/EHRA
EHRA 2014 Activity Report

2014 Effective Communications

As part of the EHRA's strategic plan, the following initiatives have been undertaken to improve the effectiveness of communications to members and other stakeholders.

DEVELOPING A MOBILE APP
for smartphone and cables allowing members to download EHRA Key Messages in English, Spanish, and Japanese.

CREATING ONLINE COMMUNITIES
using the LinkedIn platform for the Young EP and EHRA Innovation communities.

CATERING TO THE DIFFERENT NATIONALITIES of the ESC countries.

ORGANISING A TRAINING COURSE in Russian and Conducting a webinar in Portuguese.

Recently Established Committees

The new EHRA committees have been established during the presidency of Prof. Karl-Heinz Kamp: Women in EP, Young EP and Innovation.

INNOVATION
The EHRA Innovation Committee (EIC) has been recently formed to encourage innovation in electrophysiologists and related researchers and to translate it into new products. The committee’s scope of work can be summarised under three headings:

- To encourage innovative thinking by EHRA members.
- To share experience using the LinkedIn platform.
- To reward innovation by creating the EHRA Inventors Award.

2015 Key Initiative

To launch the first EHRA Inventors Award and create dedicated Scientific sessions for the EHRA EUROPE - CARDIOSTIM Congress.

WOMEN IN EP
At a clinical level, female patients are frequently under-represented in clinical trials and therefore valid scientific conclusions are not provided about the patient population. For example, atrial fibrillation has a similar incidence in males and females patients. However, the vast majority of trials evaluating catheter ablation therapy have included less than 20% female patients. In addition, although a growing percentage of cardiologists are women, it is clear that the percentage of female trainees in clinical electrophysiology is not increasing proportionally. A recent survey indicated that the main reason not to choose electrophysiology as a specialization is the fear of radiation exposure and the absence of role models. For these reasons, EHRA has launched a Women in EP Committee, its objectives include:

- To emphasise the opportunities of arrhythmia management specialisation for female trainees.
- To promote female physicians in leadership positions through mentoring programmes.
- To identify and provide support for female patients.
- To encourage female cardiologists to choose electrophysiology and support other female electrophysiologists throughout their career.

YOUNG EP
The Young EP Committee was formed to facilitate mentors and acquire the development of young clinical electrophysiologists. The goals are to promote the work of young members, and create a global network within the Clinical EP community to work with non-clinical professional training courses.

- During 2014:
  - Creating a classic and strong network for young EPs with national and localembassadors building interest around 400 specialists.
  - Launching an innovative network community platform on LinkedIn.
  - Organising two sessions dedicated to Young EPs at the CARDIOSTIM-EUROPE - CARDIOSTIM Congress in June 2015.

2015 Key Initiative

To create a Young EP member exchange programme and to organise a dedicated session for Young EPs at the EHRA EUROPE - CARDIOSTIM Congress in Milan, 2015.
Expanding Journal focus

Working Group on Cardiac Cellular Electrophysiology

Working Group on eCardiology

EP: Competitor IF Comparison 2010-2013

New IF in 2013: 3.050

IF in 2012: 2.765 vs. 1.980 in 2011
## Education 2014 & 2015

### 2014 Course Name

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Location</th>
<th>Date</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHRA Advanced EP course</td>
<td>Sophia Antipolis</td>
<td>February</td>
<td>100</td>
</tr>
<tr>
<td>EHRA Cardiac Pacing, ICD, and Cardiac Resynchronisation</td>
<td>Vienna</td>
<td>March</td>
<td>190</td>
</tr>
<tr>
<td>EHRA EP and CP Mini-Courses</td>
<td>Dubai</td>
<td>March</td>
<td>40</td>
</tr>
<tr>
<td>EHRA Introductory Course on Interventional Cardiac EP</td>
<td>Sophia Antipolis</td>
<td>October</td>
<td>82</td>
</tr>
<tr>
<td>EHRA Cardiac Pacing, ICD and Cardiac Resynchronisation (in Russian)</td>
<td>St. Petersburg</td>
<td>October</td>
<td>56</td>
</tr>
</tbody>
</table>

### 2015 Course Name

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHRA EP and CP Mini-Courses</td>
<td>Dubai</td>
<td>January</td>
</tr>
<tr>
<td>EHRA Lead Management and Extraction</td>
<td>Budapest</td>
<td>May 29 &amp; 30</td>
</tr>
<tr>
<td>Cardiac Pacing, ICD &amp; Cardiac Resynchronisation (in Russian)</td>
<td>St. Petersburg</td>
<td>Septembre 10 &amp; 12</td>
</tr>
<tr>
<td>EHRA introductory Course on Interventional Cardiac Electrophysiology</td>
<td>Sophia Antipolis</td>
<td>Octobre 15 &amp; 17</td>
</tr>
</tbody>
</table>
EHRA Webinar

One session per Month
From 18:00 to 19:00 CET
Free registration for EHRA Members

Next Webinar: 7 April, 2015
Redefining Electrophysiology – Signal Information that Matters
TRAINING FELLOWSHIPS & ACADEMIC GRANT

2015 Application period starts: 15 September 2015

- Clinical Electrophysiology with emphasis on catheter ablation:
  - 1 year or 2 years
  - Both Centers and Individuals are invited to apply

- Arrhythmias and Cardiac Pacing with emphasis on ICD/ CRT
  - 1 year
  - Both Centers and Individuals are invited to apply

- Academic Research Training Fellowship
  - 1 year
  - Clinical and Basic Science Research

- International Training Fellowship designed to fellows of the Asia Pacific Region
  - 1 year
  - Catheter Ablation

17 grants were awarded in 2014 out of 94 applications received
A new opportunity for Electrophysiology specialists!

This programme has been developed to ease the transition from fellowship to independent practice for former EHRA fellows and for them to acquire additional techniques either in the field of Arrhythmias or Cardiac Pacing.

This training will be organised in two steps:

- During the first step, an applicant, chosen by EHRA, will join your centre for a maximum of two weeks to acquire a new technique with his / her mentor, selected by your centre.

- As a second step, the mentor will travel to the trainee's centre to oversee his / hers first application of the new technique.

6 positions were offered in 2014 out of 25 applications received. 14 individuals & 11 centres
European Heart Academy: Advanced Course in Cardiac Arrhythmias

- Executive Style degree leading to a Diploma of Advanced Studies
- Eight modules over two years
- In partnership with Maastricht University
- Open to cardiologists as well as scientists aiming at a career in arrhythmia research and management
- Expected candidates to enroll around 30-40
- Expected launch in Spring 2016
Stroke Prevention & Management in AFIB/Phase I

Bringing Practice Guidelines to Daily Practice

Specific Programme based on the understanding of the ESC Guidelines in the Management of Atrial Fibrillation & the EHRA NOAC Practical Guide to focus on identification of the gaps in implementation of guidance.

- A scientific approach (behavioural study) to assessing the gaps, challenges, met & unmet needs of hcps and stakeholders

- The output is to be published in a peer-reviewed journal: presentation EHRA EUROPACE CARDIOSTIM 2015, publication for ESC Congress 2015

- Development and delivery of educational programmes based on identified gaps: Phase II
EHRA Certification

Certified Candidates since 2005

Next EHRA certifications at the EHRA EUROPACE – CARDIOSTIM, Milan - Italy

- 23 June: Invasive Cardiac Electrophysiology
- 23 June: Allied Professionals Certification
- 24 June: Cardiac Pacing and Implantable Cardioverter Defibrillators (ICDs)

All EHRA Exams are on iPads
EHRA KEY Message – App

Spanish & Japanese versions are now live!

www.escardio.org/EHRA
The EHRA website for patients was developed:

- To contribute to improvements in the quality of life and health of patients with atrial fibrillation
- To help patients, their families and caregivers have a better understanding of atrial fibrillation

Italian & Spanish versions are coming soon!
EHRA White Book: An impressive and unique collection of key data

The EHRA White Book of Cardiac Electrophysiology is a platform for the progressive harmonisation of access to arrhythmia treatment.

The enthusiastic cooperation of National Cardiac Societies and Working Groups means that EHRA was able to report on 49 of the ESC’s 56 member countries in the 2014 edition.

The book also serves as a continuous reference for all EHRA initiatives in education and training, and has become the standard information source for comparing arrhythmia treatment between countries.

The online version of all White Book editions is available at the EHRA website.
EP Network, Clinical registries and Trials

- **EP Surveys**
  - To date EHRA recruited **274** Research Network partners
  - **12 EP Wire surveys** were published in the EP Europace Journal during 2014 on various aspects of EP practice and can be found on the EHRA website.

- **Trials: Early comprehensive Atrial fibrillation Stroke prevention Trial (EAST)**
  - At the end of 2014, over **1,700 patients** were enrolled in 11 European countries.
  - We expect to continue enrolment until 2016.

- **Clinical Registries:**

  ![Registries Table](image)

<table>
<thead>
<tr>
<th>EORP Registries</th>
<th>Number of Centres</th>
<th>Number of Expected Patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atrial Fibrillation Ablation</td>
<td>72</td>
<td>1,410 (presented at Hot Line ESC 2012)</td>
</tr>
<tr>
<td>• Pilot Phase</td>
<td>112</td>
<td>2,750 (enrolled as of November 2014)</td>
</tr>
<tr>
<td>• Long-term Phase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Atrial Fibrillation General</td>
<td>70</td>
<td>3,229 (now complete)</td>
</tr>
<tr>
<td>• Pilot Phase</td>
<td>97</td>
<td>10,000</td>
</tr>
<tr>
<td>• Long-term Phase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELECTRα (European Lead Extraction ConTRolled) Registry</td>
<td>76</td>
<td>3,524</td>
</tr>
</tbody>
</table>

www.escardio.org/EHRA
EHRA International Affairs

- **Ongoing Collaboration with:**
  - SOLAECE: Sociedad Latinoamericana de Estimulación Cardiaca y Electrofisiología
  - APHRS: Asian Pacific Heart Rhythm Society
  - SOBRAC: Brazilian Society of Cardiac Arrhythmias
  - HRS: Heart Rhythm Society
  - CHRS: Chinese Heart Rhythm Society
  - JSC: Japanese Society of Cardiology
  - GHRS: Gulf Heart Rhythm Society

- **Joint Activities**
  - Membership
  - Scientific documents
  - Participation of 1 or 2 members in our Programme committee (bilateral participation)
  - EHRA sessions 1 or 2 in their Scientific Programme and vice versa

- **Live cases from one EHRA centre**
- **EHRA International Training Fellowship Programmes (APHRS)**
EHRA - Scientific Documents in the pipeline

- **HRS/EHRA/APHRS joint document on ICD programming and testing**
  - Chairs: L. Fauchier (EHRA), M. Stiles (APHRS), B. Wilkoff (HRS)

- **EHRA/HRS/APHRS/SOLAECE Document: Atrial Cardiomyopathies: Atrial Cardiomyopathies: Definition, Characterization and Clinical Implication**
  - Chairs: A. Goette (EHRA), Jonathan Kalman (APHRS), Luis Aguinaga (SOLAECE), Stan Nattel (HRS)

- **Update on practical guide on NOACs**
  - Chair: H. Heidbuchel

- **Consensus Document on antithrombotic therapy in the setting of electrophysiological procedures and device implantation: an update of the 2008 EHRA position document, endorsed by the ESC Working Group Thrombosis**
  - Chairs: C. Sticherling, F. Marin

- **Chronic kidney disease (CKD) in the patient with cardiac rhythm disturbances or implantable electrical devices: clinical significance and implications for decision making**
  - Chair: G. Boriani

- **Cardiac arrhythmias and the patient: Focus on patient values and preferences for management**
  - Chairs D. Lane, T. Potpara

- **EHRA position document on antiarrhythmics drugs**
  - Chair: G. Dan

- **EHRA/HFA Consensus document on arrhythmias in Heart Failure**
  - Chairs: B. M Pieske (HFA); G. Lip (EHRA)

- **EHRA Opportunities and Challenges of Current Electrophysiology Research: A Plea to Establish ‘Translational Electrophysiology’ Curricula**
  - Chairs: U. Schotten; A. Oto

- **EHRA/EAPCR Position Paper: Prevention in athletes**
  - Chairs: L. Mont; A. Pelliccia

- **EHRA Position Paper: How to set up a Syncope Unit**
  - Chair: M. Brignole

www.escardio.org/EHRA
Recent publication  Available by April 2015

The EHRA book of
Pacemaker, ICD, and
cCRT CRT Troubleshooting
Case-based Learning with Multiple Choice Questions

EDITED BY
HARAN BURRI
CO-EDITORS
JEAN-CLAUDE DEHARO
CARSTEN ISRAEL

OXFORD
EHRA as a scientific, educational, political and clinical player in the future

To attract the next generation, EHRA needs to offer a balance between time spent for the association and clinical/research work

1. Hire a chief scientific/medical officer to support the President /Board/Committee Chairs
2. Get closer to the EP WGs in the ESC countries
3. Continue to provide/develop education/training

- Increase the number of women in Cardiology/EP/EHRA
- A new composition of the NCS committee in order to have NCS representatives nominated by the EP WGs
- Set up regional conferences within the 4 allocated European regions, at least 2 per year (in the pipeline)
- Develop specific activities for Western European countries, for example, stroke awareness day in cooperation with ESC Central in 2015
- Continue to develop the ICD-4-Life project in Eastern European countries
She statistics EP Professionals

- ESC membership - EHRA membership

![Bar chart showing percentage of ESC and EHRA members by gender.]

![Histogram showing distribution of ages for ESC and EHRA members.]

www.escardio.org/EHRA

Speaker
EHRA fellowship

EHRA Fellowship

- Male applicants
- Female applicants

EHRA Fellowship

- Selected Males
- Selected females
She statistics EP Professionals

EHRA Europace Congress 2013

- Abstract submitter: 669
- Abstract presenter: 497
- Chair: 143
- Invited Speaker: 295
- Grader: 114

www.escardio.org/EHRA
This was the first meeting managed in full collaboration with Cardiostim following the recently signed agreement between EHRA and Cardiostim management.

The EHRA EUROPACE Scientific Committee was an integral part of the overall planning process and strongly influenced the content of the chosen scientific programme.

<table>
<thead>
<tr>
<th>Participants</th>
<th>5,664</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scientific Sessions</td>
<td>190</td>
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<tr>
<td>Abstract Sessions</td>
<td>20</td>
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<tr>
<td>Oral Presentations</td>
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<td>Moderated Sessions</td>
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<td>Poster sessions</td>
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See you in Milan

www.escardio.org/EHRA