

Innovative Training Networks (ITN)  
Call: H2020-MSCA-ITN-2017



**Multidisciplinary training network for Atrial fibRillation  
monItoring, treAtment and progression**

Project N°: 766082

Start date of the project: 01/11/2017

Duration: 48 months

Project Coordinator: Luca Mainardi

**Minutes of the Introductory Event**

Milano, October 22<sup>nd</sup> – 23<sup>rd</sup>, 2018



This project has received funding from the European Union's Horizon 2020 research and Innovation programme under the Marie Skłodowska-Curie grant agreement No 766082.



## Document Properties

Document ID	n/a
Document Title	Minutes of the Introductory Event
Deliverable N°	n/a
Lead Beneficiary	POLIMI
Work Package N°	n/a
Work Package Title	n/a
Nature	Report
Dissemination Level	Public
Number of pages	7
Due Date (in months)	n/a
Submission date	n/a



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## Revision History

Rev. No.	Date of Issue	Author(s)	Brief Description of Change
0.9	29.11.2018	L. Mainardi	First draft
1.0	30.11.2018	L. Mainardi, R. Sassi, J.F. Matas	Fina version

## Abbreviations and Definitions

ESR	Early Stage Researcher



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## 1 Introduction

The Introductory Event was held at Politecnico di Milano, Italy on October 22-23, 2018. The meeting was hosted by the Dipartimento di Chimica, Materiali e Ingegneria Chimica, in the Giulio Natta room, named after the holder of the 1963 Noble Prize in Chemistry. A good example to be followed by the MY-ATRIA ESRs!

The meeting gathered together all the recruited ESR of the Marie-Curie MY-ATRIA consortium for the first time, and was planned to welcome the enrolled ESRs, to provide them an introductory view of MY-ATRIA aims as well as to start the network training activities.

The meeting was scheduled on two days: in the first day a series of lecturers were invited to introduce technical skills on AF disease and tools to assess it, while in the second day the ESRs had opportunity to introduce themselves and their expectations from MY-ATRIA.

The meeting was attended by roughly 40 participants including the ESRs, their supervisors, researchers from Beneficiaries and Partners, as well as researchers and PhDs from the hosting Institute which were interested into the Project.

## 2 Activities in Day #1

The Meeting was opened by the project Coordinator, Prof. Luca Mainardi, who welcomed the participants and gave a brief introduction of the MY-ATRIA project and its network, which includes 8 Beneficiaries and 6 Partners from 5 EU countries. The Coordinator also presented the research challenges to be faced during the project and the training objectives to be reached by MY-ATRIA. He finally explained the objectives of the meeting training activities which were designed to expose the ESR to methodological/technical research skills, as well as entrepreneurship, commercialization of products and communication skills.

The meeting continued with the lecture by Prof. Federico Lombardi (Fondazione IRCCS Ca' Granda Ospedale Maggiore, OMP, a partner institution in MY-ATRIA) who talked about "Atrial fibrillation: from physiopathology to clinical manifestation and treatment". The Lecture introduced the ESRs with some fundamentals on the mechanisms which trigger and sustain atrial dysfunctions and on the current treatment options.

The last morning lecture was given by Prof. Pablo Laguna and Prof. Juan Pablo Martinez (Universidad de Zaragoza, Spain). The talk was entitled "Review on surface (ECG) and intracavitary (EGM) atrial signals analysis" and it was an excursus on signal processing algorithms and derived metrics to quantify and classify different patterns of atrial activity.



The afternoon activities were opened by a lecture by Prof. Olaf Doessel (Karlsruhe Institute of Technology, Germany) and by Prof Javier Saiz (Universidad Politécnica de Valencia, Spain). They provided a “Review on numerical simulation/modeling of atrial activity”, a survey on the modeling of atrial conduction and its abnormalities in 3D realistic models of the atria.

The work continued with two lectures who exposed the ESRs to soft skills on communication/Dissemination and entrepreneurship aspects. The first one was given by Alice Barbaglio from “Officina H2020” a division of the Università degli Studi di Milano (UMIL), aimed to support research activities related to EU projects. The talk was focused on “Dissemination, Communication and Responsible Research and Innovation in European Funded Projects” and the lecturer engaged the ESR in discussions on how to plan an efficient and targeted communication plan. The last talk of the day was entitled “From idea to product” and was based on the story of Empatica (a Partner company in MY-ATRIA) and the efforts needed to convert a seminal research idea into a successful commercial product.

The meeting ended at 19.00 and all the participants enjoyed the classical “Italian Happy hour Aperitivo” at the nearby Birreria Lambrate.

### 3 Activities in Day #2

The Second day was focused on the enrolled ESRs.

The Coordinator opened the meeting day with a lecture on the “European Charter for Researchers”, to expose the ESRs and their supervisor with the aspects related to ethics in research, and to the code of conduct to be adopted by any members for the MY-ATRIA Consortium.

The morning continued with a series of presentations by the ESRs, who introduced themselves, their curricula, their research projects and their expectations for the career. A brief discussion followed each presentation. Detailed information of the ESRs and their presentations can be found at <http://www.myatria.polimi.it/researchers/>.

Finally, the Coordinator greeted everyone with “Arrivederci” to the next network activity: the Winter School to be held in Lund on January 15<sup>th</sup>-17<sup>th</sup>, 2019.

The meeting ended at 12:30.