Doctoral Networks (DN)

Call: HORIZON-MSCA-2022-DN-01

INSIDE-HEART

INSIDE-HEART: multI-discipliNary, multi-Sectoral and multi-national trainIng network on Digital biomarkErs for supraventricular arrHythmia charactErizAtion and Risk assessment

Project Nº: 101119941

Start date of the project: 01/11/2023

Duration: 48 months

Project Coordinator: Valentina Corino

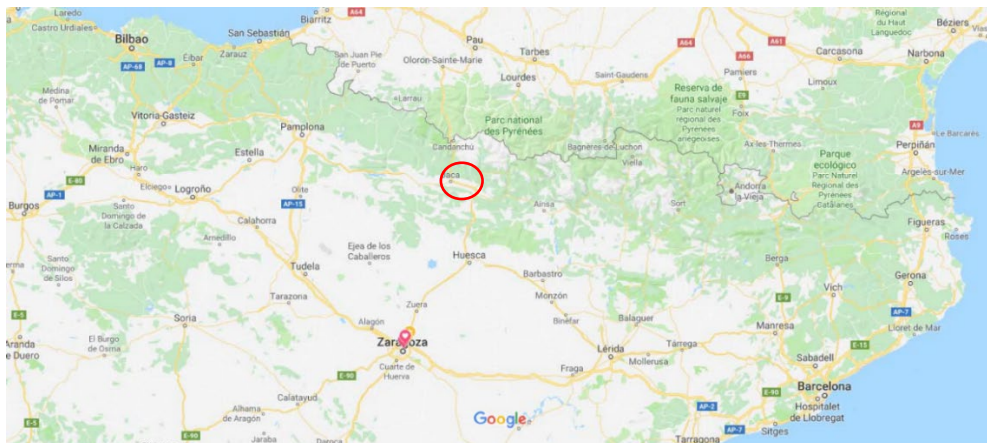# Summer School - Jaca

April 7-10th, 2025

Participants: All DCs + at least 1 representative from each beneficiary institution

Address:

Jaca University Residence

Calle de la Universidad, 3, 22700 Jaca, Huesca, SPAIN

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Traveling from / to Jaca

- By car: Jaca-Huesca-Zaragoza (N-330) and Jaca-Pamplona (N-240)
- By bus: regular line from Zaragoza, Huesca and Pamplona. Timetables are available at www.booking.avanzabus.com
- By train: to Zaragoza from Madrid/Barcelona and then by bus/car. Check www.renfe.es, www.iryo.eu, www.ouigo.com
- By plane: to Zaragoza, Madrid or Barcelona and then by bus/car.

Monday, 7th April 2025	
20:30	*Welcome reception & informal dinner. Meeting point: residence lobby.*

Tuesday, 8th April 2025		
Time	**Topic**	**Responsible beneficiary**
Morning	**DCs presentations**	
09:00 - 09.30	DC1: Integration of novel contact and non-contact digital biomarkers for SVAs screening	**POLIMI – Jacob Botvidsson**
09:30 – 10:00	DC2: IoT-based system to detect and monitor the progress of infant's SVAs	**UTU – Ajdar Ullah**
10:00 - 10.30	DC3: AI biomarker identification to assess SVA evolution as comorbidity of respiration diseases through continuous monitoring with innovative sensors	**BRC – Lucia Vavassori**
10:30 – 11:00	*Coffee break*	
11:00 – 11:30	DC4: Digital biomarkers identification and AI-based analysis for early diagnosis of SVAs in the young and adult population	**CCM – Stefana Bogojevic**
11:30 – 12:00	DC5: TBC	**CC – Beatriz Cosculluela**
12:00 – 12:30	DC6: AI-based predictors of SVA development in patients with comorbidities and suspected SVAs	**NU – Paul Kapust**
12:30 – 13:00	DC7: Digital biomarkers and deep learning for cardiovascular risk prediction in patients with SVAs from continuous long term ECG recordings	**TECH – Lisa Attali**
13:00 – 14:30	*Lunch*	
Afternoon	**DCs presentations**	
14:30 – 15:00	DC8: Characterization of thermal and non-thermal AF ablation effects on cardiac and neural structures	**UNIZAR – Andrea Rucco**
15:00 – 15:30	DC9: AI-based outcome prediction of arrhythmia progression in elderly cardiac patients	**LU – Livia Colucci**
15:30 – 16:00	DC10: Assessment of ventricular repolarization during AF and risk prediction from clinical and wearable ECG	**UMIL – Joachim Kröner**
16:00 – 16:30	*Coffee break*	
16:30 – 17:15	Invited talk – Scientific writing	**LU – Martin Stridh**
17:15 – 18:00	Invited talk – Role of companies in clinical translation	**BRC – Raphael Schneider**
18:30	*Ice skating (Meeting point: residence lobby)*	
21:00	*Dinner (Rest. La Cadiera)*	

Wednesday, 9th April 2025		
Time	**Topic**	**Responsible beneficiary**
Morning	**Lectures**	
09:00 - 09.45	Invited talk – Risk assessment of life-threatening events	**CCM – Marco Schiavone**
09:45 – 10:30	Invited talk – Development and commercialization of medical software for electrocardiographic signal analysis	**CC – Martino Vaglio**
10:30 – 11:00	*Coffee break*	
11:00 – 11:45	Invited talk – Open Science & postdoctoral pathways	**UNIZAR – Cristina Gavín**
11:45 – 12:30	Invited talk – Digital biomarkers for SVAs	**LU – Martin Stridh**
12:30 – 13:15	Invited talk – Digital biomarkers in the market	**NU – Borja Gonzálvez**
13:15	*Lunch + Social event (Visit to San Juan de la Peña Monastery) + Gala Dinner (Rest. Las Ranas)*	

Thursday, 10th April 2025		
Time	**Topic**	**Responsible beneficiary**
Morning	**Lectures**	**Presenter**
9:00 – 9:45	Invited talk – Sensor networks for SVA screening	**UTU – Tero Koivisto**
9:45 – 10:30	Invited talk – Non-contact technologies for SVA monitoring	**POLIMI – Valentina Corino**
10:30 – 11:00	*Coffee break*	
11:00 – 11:45	Invited talk – Next steps after an MSCA DN: unlocking new opportunities	**UNIZAR – Alba del Río**
11:45 – 12:30	Supervisory Board meeting	**BENEFICIARY REPRESENTATIVES & 2 DCs**