

Simplifying 3D mapping & PFA for Fellows

1. Course Factsheet

Course title	Simplifying 3D mapping & PFA for Fellows		
Academic Institution	ERIS Institute	Partner company	Boston Scientific
Dates	24 – 26 June 2026	Duration	20 hours (In 3 days)
Venue / Modality	Toulouse (Clinique Pasteur)		
Course directors	Jose Guerra, Domenico Della Rocca, Serge Boveda		
Overall learning goals	<ul style="list-style-type: none"> • Enhance EP Fellows comprehension & confidence in BSC 3D mapping technology. • Develop FARAVIEW & OPAL HDx familiarity in conjunction with PFA workflow. 		
Certified competencies	<ul style="list-style-type: none"> • Set up maps customized to the patient’s rhythm and clinical history while maximizing the efficiency of OPAL HDx automated algorithms. • Develop practical skills for navigating within the left atrium, including managing challenging anatomy, with a focus on achieving coaxiality and optimal contact. • Enhance knowledge of different workflows and best practices for mapping atrial arrhythmias, using FARAVIEW and OPAL HDx • Understand how ablation approaches vary between pAF and persAF, including the use of PVI versus PVI+ strategies. • Understand how to approach and tailor workflows for patients undergoing redo AF ablation. • Analyse atrial arrhythmia maps according to substrate, utilizing Lumipoint as a complementary tool. • Review and interpret post-ablation maps accurately, including evaluating lines of block to verify procedural success. 		
Material provided	<ul style="list-style-type: none"> • Digital manual, • OR checklist, • Access to ERIS INSTITUTE Academy and Boston Scientific (EDUCARE platform) Academy 		
Assessment	<ul style="list-style-type: none"> • Daily quiz • Final practical exam (certification model TBD) 		
Credits / certificate	ERIS Institute + University		
Faculties	Serge Boveda (Clinique Pasteur),		

(4 Faculties in total)	Stéphane Combes (Clinique Pasteur), Quentin Voglimacci (Clinique Pasteur), Domenico Della Rocca (Vrije Universiteit Brussel)
Course coordination	Email

2. Detailed Programme

Mandatory e-learning (before the in-person Course) TBD

All modules (TBD) before logging in to the live Day 1 session.

Learning Objectives:

- Become familiar with the Opal HDx system components and software interface.
- Develop a foundational understanding of catheter design and its impact on mapping and ablation workflows.
- Learn the basic principles of map setup, which will be briefly reviewed during the first day of face-to-face training.
- Gain initial exposure to mapping with the Orion catheter and the FARAVIEW system, if not available in their centre.

Day 1 – Theory & Supervised Simulation (on-site, rotating groups)

In this first session, theoretical aspects will be explained and consolidated, combined with practice on simulators. Theoretical and practical sessions will alternate in order to immediately apply the theoretical concepts in practice. For the practical sessions participants will be separated in 3 groups of 3 and in two groups for practical session 2. 3 Faculties (SB, JG, DDR).

Time	Group 1	Group 2	Group 3	Patient / Notes
08:30 – 09:10	Introduction: Basics and principles of 3-D high density cardiac mapping			Quentin Voglimacci
09:10 – 09:40	Metric based (simulation) training			Anthony Gallagher
09:40 – 10:20	De Novo PFA PVI: workflow and metrics			Serge Boveda
10:20 – 10:35	Debrief and break			
Practical Session 1				

10:35 – 12:00	Simulation with the Wet Tanks		Faculties + BSC members
12:00 – 12:40	HDx - Map Set Up (including recap of online pre-work) - Introduction on Opal FaraNAV system.		Domenico Della Rocca
12:40 – 13:30	Debrief and Lunch Break		
Practical Session 2			
13:30 – 14:15	Wet Tanks: FARAVIEW SIM	Opal Sim	Faculty + BSC member
14:15 – 15:00	Opal Sim	Wet Tanks: FARAVIEW SIM	Faculty + BSC member
15:00 – 15:15	Debrief and Break		
Practical Session 3			
15:15 – 17:15	Simulation with the Wet Tanks		Faculties + BSC members
17:15 – 17:30	Wrap-Up & Feedback		Serge Boveda

Learning Objectives:

- Familiarise with the OPAL HDx system components and software interface.
- Develop a foundational understanding of catheter design and its impact on mapping and ablation workflows.
- Learn the basic principles of 3D mapping setup, to be briefly reviewed during the first day of face-to-face training.
- Gain initial exposure to mapping with the Orion catheter and the FARAVIEW system.
- Follow step-by-step mapping cases, under guided theory.

Day 2 – Theory & Supervised Simulation (on-site, rotating groups)

On the second day we will carry out the third session of Theory + Practice in the morning. In the afternoon, with the same three groups, we will move on to the first clinical immersion session in real-life conditions + live case observation.

Operators:



Faculties for Day 2: the course directors (Jose, Domenico in the retransmission room) for interaction with Serge (EP Lab). 3 Faculties (SB, JG, DDR).

Time	Group 1	Group 2	Group 3	Patient / Notes
08:30 – 10:00	Redo AF – Mapping including PVI			Domenico Della Roca
10:00 – 10:15	Debrief and break			
Practical Session 4				
10:15 – 11:15	Opal Sim 1	Wet Tank: PVI	Wet Tanks: FARAVIEW SIM	Faculty + BSC member
11:15 – 12:15	Wet Tanks: FARAVIEW SIM	Opal Sim 1	Wet Tank: PVI	Faculty + BSC member
12:15 – 13:15	Wet Tank: PVI	Wet Tanks: FARAVIEW SIM	Opal Sim 1	Faculty + BSC member
13:15 – 14:00	Debrief and Lunch Break			
14:00 – 14:30	Workflows for Mapping AT			Domenico Della Roca
Practical Session 5				
14:30 – 16:00	Mapping of full Redo AF case with Orion: 3 Groups separated with 9 Opal Sim.			Faculties + BSC members
15:30 – 16:00	Wrap-Up and move to the Lab			Serge Boveda
16:00 – 17:00	Lab Case 1 + Retransmission room			2 Faculties in the Lab + 2 in the retransm. Room

Learning Objectives:

- Ensure each Fellow actively performs 3D mapping and pulsed - field ablation in the lab console, reinforcing hands-on proficiency.



- Provide all Fellows with live-streamed observation sessions in the boardroom, followed by structured debriefs to discuss workflow decisions.
- Deliver immediate, expert feedback on catheter placement, map accuracy and lesion delivery, so that Fellows can refine technique in real time.

Day 3 – Clinical Immersion: real-life conditions & live cases observation

Participants remain in the same groups of Day 2. For each of the three cases, one group attends the procedure in the Lab CPT, while the other groups observe in the retransmission room with live faculty commentary and interaction. Groups rotate so everyone experiences at least one case in the lab.

Operators:

Faculties for Day 3: the course directors (Jose and DDR) in the retransmission room for interaction with Serge + Stéphane Combes (EP Lab): 4 Faculties (SB, SC, JG, DDR).

Time	1 group in the lab, the other in retransmission room	Patient / Notes
08:30 – 10:00	Lab Case 2 + Retransmission room (Group sizes pending number of cases. Possibilities: <ul style="list-style-type: none"> • 4 cases total: 4 groups of 2-3 fellows • 3 cases total: 3 groups of 3 fellows 	2 Faculties in the Lab (SC + SB) + 2 in the retransm. Room (JG + DDR)
10:00 – 10:15	BREAK	
10:15 – 11:45	Lab Case 3 + Retransmission room (Group sizes pending number of cases. Possibilities: <ul style="list-style-type: none"> • 4 cases total: 4 groups of 2-3 fellows • 3 cases total: 3 groups of 3 fellows 	2 Faculties in the Lab (SC + SB) + 2 in the retransm. Room (JG + DDR)
11:45 – 12:45	LUNCH BREAK	
12:45 – 14:15	Lab Case 4 + Retransmission room (Group sizes pending number of cases. Possibilities: <ul style="list-style-type: none"> • 4 cases total: 4 groups of 2-3 fellows • 3 cases total: 3 groups of 3 fellows 	2 Faculties in the Lab (SC + SB) + 2 in the retransm.

		Room (JG + DDR)
14:15 – 15:00	Recap and Closure & Evaluation	JG + DDR + SB

3. Participants

Total: 9 (3 groups of 3)

Selection: CV submission + motivation letter and final validation by the ERIS Board

Requirements

Emerging EP Fellows eager to deepen their knowledge in 3D mapping and well-versed in the FARAPULSE PFA workflow.

