

Discussion/Brainstorming Round:

„MediNet beyond ENSAR2“

**Perspectives beyond ENSAR2:** formally ending March 2020  
(cost-neutral) extension for 3-6 months debated

Successor proposal: Integrating Initiative “ERINS”

- includes MediNeXt as follow-up of MediNet
- submitted in April 2019

MediNeXt focuses on the implications of next-generation particle accelerators for biomedical applications and related technologies like radiation therapy and studies of biological effectiveness:

- Biomedical applications of high-intensity, high-energy ion beams
- Radioactive ion beams for therapy
- Ions different from hydrogen and carbon
- Proton-boron techniques, BNCT
- Nanoparticles
- Laser-driven beams
- Synchrotron radiation therapy

**MediNeXt** is organized as an open community, willing to accept new (non-beneficiary) participant groups that commit to actively contributing to the networking activities at any time.

The following **32 member groups from 11 countries** will form the startup community of MediNeXt:

VINS + Univ. Belgrade /Serbia, SCK-CEN Belgian Nuclear Research Centre, Boeretang /Belgium, LPC Clermont-Ferrand/France, CENBG Bordeaux /France, LIP/Univ. of Coimbra /Portugal, IFJ Cracow /Poland, IMNC Orsay/France, ARRONAX Nantes/France, Delft Univ. of Technology /The Netherlands, OncoRay + TU Dresden /Germany, JLU Giessen /Germany, GSI/FAIR Darmstadt /Germany, ENLIGHT (CERN, Geneva) /Switzerland, LPSC Grenoble /France, KVI-CART/Univ. of Groningen /The Netherlands, Univ. Hasselt - Campus Diepenbeek /Belgium, INFN-LNL Legnaro /Italy, CREATIS+IPN Lyon/France, Univ. of Lübeck /Germany, Univ. Complutense + Univ. Carlos III, Madrid /Spain, NuPECC (GANIL, Caen/France), LMU Munich/Germany (coordinator), EBG MedAustron, Wiener Neustadt /Austria, INFN + Univ. of Pisa /Italy, Univ. de Santiago /Spain, Univ. di Roma "La Sapienza" / Italy, Univ. de Sevilla /Spain, Univ. of Siegen /Germany, CSIC (IFIC) Valencia /Spain, Austrian Institute of Technology, Vienna /Austria, Warsaw University /Poland, TIFPA, Trento/Italy.

### Successor proposal: Integrating Initiative “ERINS”

- includes MediNeXt as follow-up of MediNet:

MediNeXt focuses on the implications of next-generation particle accelerators for biomedical applications and related technologies like radiation therapy and studies of biological effectiveness.

Work package title	Medical Physics Network															
TASKS/Subtasks	Year 1				Year 2				Year 3				Year 4			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Subtask 1: establish website for MediNeXt	<b>M1</b>															
Subtask 2.1: Conference on “Novel accelerators and modalities for biomedical applications”							<b>M2</b>									
Subtask 2.2: Conference on “Radiobiological modelling and related studies”											<b>M3</b>					
Subtask 2.3: Conference on “New detectors addressing the new challenges”															<b>M4</b>	
Subtask 3.1: Exchange program for young/early career researchers																

## Perspectives beyond ENSAR2:

Successor proposal: Integrating Initiative “ERINS”

**BUT:** ERINS was rejected by EU in September 2019

We will have to discuss about alternatives:

→ what options are available ?

- Marie-Curie Training Network ??
- COST Action ??
- ....??

-  ?

## Perspectives beyond ENSAR2:

COST Action is a network dedicated to scientific collaboration, complementing national research funds.

### COST Actions are:

- open to researchers and innovators;
- collaborating in a field of science and technology of common interest to at least seven COST Members/Cooperating Members;
- based on a joint work programme lasting four years;
- answering to the COST Open Call for proposals.

### A COST Action is open to all:

- science and technology fields (including trans-, and interdisciplinary, new and emerging fields);
- institutions (academia, public institutions, SME/industry, NGO, European/international organisations, etc.);
- career stages (both young and experienced);
- COST Members

## Perspectives beyond ENSAR2:

- **A COST Action**

is organised by a range of networking tools, such as meetings, conferences, workshops, short-term scientific missions, training schools, publications and dissemination activities.

- **Funding** covers the cost of COST Action networking tools

The average COST Action support is EUR 130,000 per annum for participation by typically 25 COST Members.

- **COST Actions**

can pave the way to or establish synergies with EU-funded research projects

- **Collaboration** within research projects often lead to new Actions, thus enhancing the networking potential of research consortia.

**COST Action: next OPEN CALL 20.4.2020**

## Innovative Marie-Curie Training Network (ITN)

ITN supports competitively selected joint research training and/or doctoral programmes, implemented by partnerships of universities, research institutions, research infrastructures, businesses, SMEs, and other socio-economic actors from different countries across Europe and beyond.

European Training Networks help researchers gain experience of different working environments while developing transferable skills.

They must involve **at least three partners from inside and outside academia**. Organisations managing such a network should be established in **at least three different EU or associated countries**, though additional participants can join from across the world.



## WHAT CAN BE FUNDED?

**All research areas** can be funded – from molecular biology to urban development.

Proposals should:

- reflect existing or planned **research cooperation** among the partners;
- involve the researchers through **personalised research projects**
- explain how the **recruitment of the researchers**, who must come from another country, will be open and transparent

## WHAT DOES THE FUNDING COVER?

Grants cover:

- **recruitment and training** of each researcher for up to **three years**. The researcher is hired under an employment contract and benefits from a monthly living allowance, social security cover, plus a mobility and family allowance.
- **research costs** including the organisation of joint activities and conferences.  
**management and indirect costs.**
- The maximum duration of an ITN project is **four years**.

## Innovative Marie-Curie Traing Network (ITN): Next Call

Call reference: MSCA-ITN-2020  
Publish date: Monday, 7 October, 2019 - 14:30  
Start date: Thursday, 12 September, 2019 - 00:00  
Deadline: Tuesday, January 14, 2020 - 17:00