## INTRODUCTION TO ERN-LUNG

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DPDL group Chair elected

**ERN-LUNG ILD Core Network Coordinator** 







## **Disclosures**

Relationships that could be relevant for this meeting	Company names
Speakers and advisor honoraria	InterMune, Boehringer Ingelheim, Gilead, Serendex, Roche Pharma
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# Rare respiratory diseases are ready for primetime: from Rare Disease Day to the European Reference Networks

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# **European Reference Networks: Background**



- The creation of ERNs stems from the Directive on patients' rights in crossborder healthcare. The goal of the Directive is to foster expertise, knowledge transfer and diagnosis & care excellence across Europe for rare diseases
- The Directive is NOT about identifying new reference centres. According to the legislation, the main added value of ERNs is to:
  - facilitate improvements in access to diagnosis and delivery of highquality, accessible and cost-effective healthcare for people living with rare diseases
  - act as focal points for medical training and research, information dissemination and evaluation, especially for rare diseases
- Prerequisite for ERNs' formation is the aggregation of at least 10 different healthcare providers (HP) from 8 EU countries
- Each network is also defining specific criteria to reflect expertise in their field
- In March 2016, the European Commission opened the first call for the creation of ERNs

## **List of Approved ERNs**

- In December 2016, the European Reference Network Board of Member States approved the first 23 ERNs
- 370 hospitals and almost 1000 highly specialised units are involved across the 23 ERNs

1. ERN BOND	European Reference Network on Rare Bone Disorders
2. ERN CRANIO	European Reference Network on Rare craniofacial anomalies and ENT disorders
3. Endo-ERN	European Reference Network on Rare Endocrine Conditions
4. ERN EpiCARE	European Reference Network on Rare and Complex Epilepsies
5. ERKNet	European Rare Kidney Diseases Reference Network
6. ERN RND	European Reference Network on Rare Neurological Diseases
7. ERNICA	European Reference Network on Rare inherited and congenital anomalies
8. ERN LUNG	European Reference Network on Rare Respiratory Diseases
9. ERN Skin	European Reference Network on Rare and Undiagnosed Skin Disorders
10. ERN EURACAN	European Reference Network on Rare Adult Cancers (solid tumours)
11. ERN EuroBloodNet	European Reference Network on Rare Haematological Diseases
12. ERN EURO-NMD	European Reference Network for Rare Neuromuscular Diseases
13. ERN EYE	European Reference Network on Rare Eye Diseases
14. ERN GENTURIS	European Reference Network on Genetic Tumour Risk Syndromes
15. ERN GUARD-HEART	European Reference Network on Uncommon And Rare Diseases of the HEART
16. ERN ITHACA	European Reference Network on Rare Congenital Malformations and Rare Intellectual Disability
17. MetabERN	European Reference Network for Rare Hereditary Metabolic Disorders
18. ERN PaedCan	European Reference Network for Paediatric Cancer (haemato-oncology)
19. ERN RARE-LIVER	European Reference Network on Rare Hepatological Diseases
20. ERN ReCONNET	Rare Connective Tissue and Musculoskeletal Diseases Network
21. ERN RITA	Rare Immunodeficiency, Autoinflammatory and Autoimmune Diseases Network
22. ERN TRANSPLANT-CHILD	European Reference Network on Transplantation in Children
23. VASCERN	European Reference Network on Rare Multisystemic Vascular Diseases

## **Role of the European Commission**

#### • IT Platform

 The European Commission will develop and give access to a centralised IT Platform. The IT platform will be made up of generic modules that will adapted for the different thematic fields of the ERN (for example exchange of clinical information and patient data)

#### Coordination with Board of Member States (BoMS)

 The Commission will help address issues of cross-border care with the Board of Member States and will act as a liaison between the ERNs and the BoMS

#### Funding

- Funding is provided for Network coordination through CHAFEA (an agency of the European Commission in charge of implementing the Health Programme)
- Potentially, in the future, more calls could be open for ERNs only

#### **ERN-LUNG General Presentation**

- MISSION: ERN-LUNG is a Network of European Healthcare Providers dedicated to ensuring and promoting excellence in care and research to the benefit of patients affected by rare respiratory diseases.
- VISION: to be a European knowledge hub for rare respiratory diseases and to decrease morbidity and mortality from rare respiratory diseases in people of all ages.
- OBJECTIVES: the 5-year plan of ERN-LUNG aims at fulfilling the following objectives:
  - Taking stock of existing expertise at European level in the area of rare respiratory diseases to assess gaps and identify solutions
  - Improving cross-border collaborations for improved continuity of care and providing highly specialised patient-centred care in rare respiratory diseases
  - Advancing innovation in medical science by reinforcing research, epidemiological surveillance like registries, clinical trials, and provide training for healthcare professionals
  - Ensuring access to quality and accurate information on rare respiratory diseases
  - Strengthening the skills, competencies and abilities of target groups (ERN-LUNG Full and Affiliated Members, ERN-LUNG Supporting Partners, Patient Groups, External audiences)

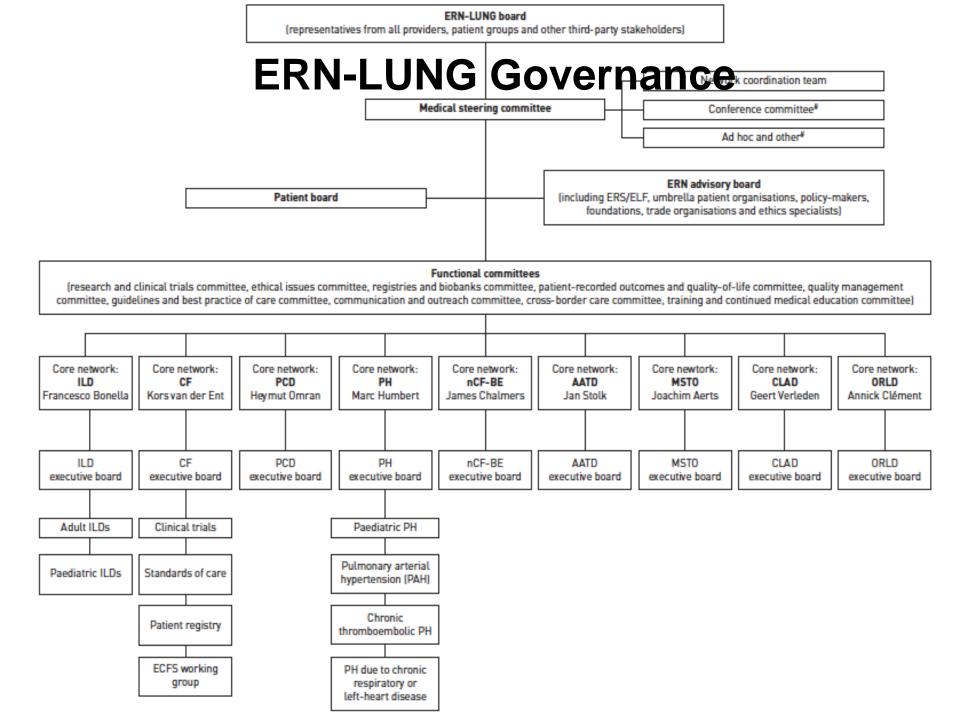
## **ERN on Rare Respiratory Diseases (ERN-LUNG)**

- ERN-LUNG is dedicated to rare respiratory diseases
- Coordinated by Prof. Thomas Wagner (cystic fibrosis specialist) of the University of Frankfurt and Prof. Marc Humbert (pulmonary hypertension specialist) of Bicêtre Hospital in Paris (Vice-Coordinator)
- ERN-LUNG is made up of **60 centres from 12 countries** and **organised across 9 functional committees** covering horizontal topics and 9 core networks covering different diseases of the rare respiratory disease field:

#### **FUNCTIONAL COMMITTEES**

#### **CORE NETWORKS**

RESEARCH & CLINICAL TRIALS	ETHICAL ISSUES	REGISTRIES & BIOBANKS	INTERSTITIAL LUNG DISEASES	CYSTIC FIBROSIS	PULMONARY HYPERTENSION
PATIENT REPORTED OUTCOMES & QUALITY OF LIFE	QUALITY MANAGEMENT	GUIDELINES & BEST PRACTICES OF CARE	PRIMARY CILIARY DYSKINESIA	NON-CF BRONCHIECTASIS	ALPHA 1 ANTITRYPSIN DEFICIENCY
COMMUNICATION & OUTREACH	CROSS-BORDER CARE	TRAINING & CONTINUED MEDICAL EDUCATION	MESOTHELIOMA	CHRONIC LUNG ALLOGRAFT DYSFUNCTION	OTHE RARE LUNG DISEASES



### **ERN-LUNG Board**

- Sovereign body of the Network
- Composition and voting rules:
  - Includes all Healthcare Providers that are either Full Members or Affiliated Members.
  - Each Full or Affiliated Member has one vote.
  - Decisions are taken by simple majority
- Role:
  - Develops ERN LUNG's Strategic Roadmap and Annual Plans.
  - Elects the Coordinator and Vice Coordinator for a duration of 5 years
  - Empowers the Medical Steering Committee to direct and conduct the general activities and business of ERN-LUNG

## Medical Steering Committee

- Composition and voting rules:
  - Coordinator, Vice Coordinator, past-Coordinator, a representative-elect from each Core Network and Functional Committee and two patient representatives appointed by the Patient Board
  - Mandate is 5 years, except for patient representatives (2.5 years, to ensure a fair rotation)
  - Decisions are taken at the majority of voting members
- Role:
  - direct and conduct the daily activities
  - supervise the activities of both the Functional Committees and the Core Networks.
- The MSC should aim to meet in-person at least twice a year

## **MSC Current Composition**

	TOEW E ICAG		
Network coordinator	TOF Wagner, Frankfurt, Germany		
Network Vice Coordinator	Marc Humbert, Paris, France		
Interstitial lung disease (ILD) Core network coordinator	Francesco Bonella, Essen, Germany		
Cystic Fibrosis (CF) Core network coordinator	Kors van der Ent, Utrecht, The Netherlands		
Primary Ciliary Dyskinesia (PCD)	Heymut Omran, Muenster, Germany		
Pulmonary Hypertension (PH) Core network coordinator	Nazzareno Galié, Bologna, Italy		
non-CF Bronchiectasis (nCF-BE) Core network coordinator	James Chalmers, Dundee, UK		
Alpha1 -Antitrypsin deficiency (AATD) Core network	Jan Stolk, Leiden, The Netherlands		
coordinator			
Mesothelioma (MSTO) Core network coordinator	Joachim Aerts, Rotterdam, The Netherlands		
Chronic lung allograft dysfunction (CLAD) Core network	Geert Verleden, Leuven, Belgium		
coordinator			
Other rare lung diseases (ORLD) Core network coordinator	Annick Clement, Paris, France		
Research and Clinical Trials Committee	Tim Lee, Dundee, UK		
Ethical Issues Committee	Carlo Vancheri, Palermo, Italy		
Registries and Biobanks Committee	TOF Wagner, Frankfurt, Germany		
Patient Recorded Outcomes and Quality of Life Committee	Simon Gibbs, London, UK		
Quality Management Committee	Petra Pennekamp, Münster, Germany		
Guidelines and Best Practice of Care Committee	Nazzareno Galiè; Bologna, Italy		
Communication and Outreach Committee	Christopher Johnson, Cambridge, UK		
Cross Border Care Committee	Pavel Drevinek, Prague, Czech Republic		
Professional Training and Continued Medical Education	Marlies Wijsenbeek, Rotterdam NL		
Committee			
Patient Board	Hilde De Keyser (CFE, Belgium)		
Patient Board	Gergely Meszaros (PHA Europea, Hungary)		

# Role of the Core Networks and the Functional Committees

#### **Core Networks**

- responsible for the development of specific plans for their disease groups, aligned with the overall ERN-LUNG's strategy
- provide input and implement the various activities identified within the work packages lead by the Functional Committees

#### **Functional Committees**

- promote the interoperability of the Core Networks in areas that have been recognized
- assist in developing the deliverables of the annual plan
- coordinate the implementation of the work packages, along topical issues, with input from all Core Networks, and relevant governance bodies

#### Patient Board

#### Composition:

- ePAGs
- Groups proposed by Core Network Coordinators

#### Role:

- To provide a platform for exchange to all patient groups involved in ERN-LUNG
- To actively contribute to the activities and implementation of ERN-LUNG's annual plans

## Patient Board Current Composition

European patient advocacy group (EPAG)	Hilde De Keyser (Cystic Fibrosis Europe, Belgium)
European patient advocacy group (EPAG)	Luc Matthysen (PHA Europe, Belgium)
European patient advocacy group (EPAG)	Filippo Martone (Amici Contro la Sarcoidosi Italia Onlus, Italy)
European patient advocacy group (EPAG)	Bernd Quadder (Deutsche Sarkoidose-Vereinigung e.V., Germany)
European patient advocacy group (EPAG)	Gergely Meszaros (PHA Europea, Hungary)
European patient advocacy group (EPAG)	Pippa Powell (ELF, UK)
European patient advocacy group (EPAG)	Patrick Vandorpe, Belgium (president of HALO)
European patient advocacy group (EPAG)	P. Ferrari, Italy
European patient advocacy group (EPAG)	Bernhard Rindlisbacher MD, Steffisburg, Switzerland
Interstitial lung disease (ILD)	Liam Galvin, Secretary, EU-IPFF, Thurles, IRE
Cystic Fibrosis (CF)	1 other Cystic Fibrosis Europe (CFE) representative
Primary Ciliary Dyskinesia (PCD)	Bernhard Rindlisbacher MD, Steffisburg, Switzerland
Pulmonary Hypertension (PH)	P. Ferrari, Italy
non-CF Bronchiectasis (nCF-BE)	Marta Algmagro, ELF, Bronchiectasis Patient Advisory Group,
	Portugal
Alpha1 -Antitrypsin deficiency (AATD)	Frank Willersinn, Alpha 1 Global
Mesothelioma (MSTO)	Kate Hill, June Hancock, Mesothelioma Trust, UK
Chronic lung allograft dysfunction (CLAD)	Patrick Vandorpe, Belgium (president of HALO)
Other rare lung diseases (ORLD)	Carlee Gilbert, ChILD EU, UK

## What can ERN-LUNG bring you?

- Funding opportunities
  - Registries call is open to ERNs only
  - The Commission is also working with the Board of Member States to define ways to earmark future research projects specifically for ERNs
- Networking opportunity between reference centres and upscaling of existing good practices/ initiatives
- Potential to publish work of ERN-LUNG in peer-reviewed journals such as the ERJ to highlight the work done within the Network

# What next?

- March 9/10, 2017, Vilnius: 3rd ERN Conference with proclamation of the accredited ERNs
- March 15, 2017: Signature of the Agreement (mandate) by the ERN Coordinators and the European Commission
- April 5/6, Frankfurt: face to face meeting of all Members of ERN-LUNG and official start

## Year 1 activities – general overview

YEAR 1 SPECIFIC OBJECTIVES	YEAR 1 TASKS
WP1 Management: Set up a Network management and coordination system to ensure ERN-LUNG delivers on its long-term objective	•
WP2 Dissemination: Create a robust dissemination	Task 1 - Dissemination Plan
and communication plan to ensure the activities of ERN-LUNG are amplified and reach their target audiences	Task 2 – External communication
<b>WP3 Data gathering</b> : Develop a data gathering and sharing system to enable proper exchange of information, internally and externally	Task 1 -Data-gathering for update of EC IT Platform
WP4 Quality of care: Pave the way to the proper	Task 1 - Guidance Document on multi-disciplinary teams
implementation of cross-border care and pathways to improve quality of care for patients across the EU	Task 2 - Roadmap of clinical guidelines to be prepared
WP5 Training: Develop a training and education	Task 1 – Needs assessment
plan to facilitate continuous learning, and cross- sharing of expertise within the Network	Task 2- Educational 5-year Plan
WP6 Research: Identify research gaps to develop a	Task 1 -Strategic research plan
strong research plan and prepare for future research funding applications at EU level	Task 2 –Annual report on research projects
WP7 Evaluation: Adopt a robust external and	Task 1 – Develop evaluation mechanism
internal evaluation policy to measure ERN-LUNG's performance against Network operational objectives	Task 2 - Annual Reporting

## Y1 Activities – Overview of H1deliverables

' No	Deliverable name	Content specification	Delivery month
.2	Internal communication and	Templates for shared internal communication for all ERN-LUNG bodies	M1
	reporting forms and calendars	Shared calendars including dates for TCs and Meetings and reporting schedule for Core Network coordinators	
		Monthly reports (newsletters from Coordinator)	M1-12
.5	Coordination with other ERNs	Identify and link with all other ERNs and other projects	M1-12
		Quarterly information exchange with overlapping ERNs	M4, M8, M12
.2	Information for HCPs (internal comms)	Development of guidelines for ERN-LUNG's Full Members to communicate about their membership	M2
.1	Network's strategic plan and	ERN-LUNG 5-year programme	M3
	administrative set-up	Legal registration of ERN-LUNG	M3
		By-laws and signed statements of members' responsibilities and roles All positions filled	M3
.3	Core Network's Action Plans	Each of the 9 Core Networks has developed an action plan for the next five years	M3
.4	1st ERN-LUNG Board Meeting	Preparation of agenda, invitation, organisation of 1st Board meeting	M3
2.1	Dissemination Plan	Development of a full five-year external and internal dissemination plan (newsletters, websites, communications trainings, scientific and lay media targets, social media activity, etc.)	M3
.1	Data-gathering for update of EC	Inventory of Accredited Centres in the area of Rare Pulmonary Diseases in EU 28 MS	M3
	IT Platform	List of diagnostic technologies and services accredited	M4
		Inventory of existing registries and biobanks	M5
.1	Evaluation plan	Tools for monitoring and reporting	M3
.5	Conflict of interest policy and annual disclosure forms	Development of a conflict of interest policy	M3
'.2	specific performance and outcome indicators for Healthcare Providers	Delphi consultation to select the indicators	M3-9
5.1	Education programme	Needs' assessment of HCPs and of patients (questionnaire)	M3-9
.1	Research plan	Gaps analysis of current research projects	M5
3	External communication	Promotional materials and content for EC IT website (downloadable brochure about ERN-LUNG)	M6
.1	Guidance Document on multi-	Review of needs per Core Network, in coordination with functional committee, to develop	M6
	disciplinary teams	recommendations for MDT teams for ERN-LUNG through a consensus meeting	20

## Y1 Activities – Overview of H2 deliverables

" No	Deliverable name	Content specification	Delivery month
3.1	Data-gathering for update of EC IT Platform	Guidance document for eHealth services	M12
7.5	Conflict of interest policy and annual disclosure forms	Annual publication of HCP declarations	M12
7.2	· ·		M3-9 M10
5.1	Education programme	Needs' assessment of HCPs and of patients (questionnaire) Analysis of needs' assessment to develop 5-year educational and training programme	M3-9 M10
6.1	Research plan	Development of 5-year research plan for ERN-LUNG, including EU funding opportunities to target	M9
1.6		Knowledge management and IP protection plan is developed, reviewed and adopted in year 1	M6-9
7.3			M6-9 M10-12
2.4	Online expert advice system	Development and Coordination of the online expert advice system	M8-12
2.5	ERS workshop	Organisation of a workshop at the annual ERS Congress	M9
4.2	Roadmap of clinical guidelines to be prepared	Gap analysis of existing guidelines for diseases covered by ERN-LUNG, coordination with overlapping ERNs to develop a 5-year roadmap of guidelines to be created or updated	M9
7.4	Patient safety data and reporting policy	Development of a unified framework to monitor and improve safety standards	M10
6.2	Annual report on research projects and clinical trials	Development of a report on research activities	M12
7.6	Annual reporting	Annual Network Reporting	M12

## Thank you for your attention!





http://ec.europa.eu/health/rare\_diseases/european\_reference\_networks/erf\_en