



**Goal of the conference** Meeting of PCD experts and people in training from a broad range of disciplines, aiming to:

- •Build on advances made in year 1 of the programme: to meet the urgent research and clinical needs in basic science, epidemiology, clinical care and outcome measures.
- •Increase our knowledge base through state-of-the-art lectures, short oral presentations, poster sessions and workshops (for trainees and experts).
- Encourage work on the projects which have already started, and provide opportunities for new collaborations and studies.
- •Learn from the experiences of people who have undertaken Short Term Scientific Missions.

**Target audience**: Individuals interested in the aims of BEAT-PCD from any background including: clinicians, physiotherapists, respiratory nurses, diagnostic technicians, basic scientists, methodologists, imaging, microbiologists, physiologists, patient representatives, industry.

#### **Outputs:**

- •The Conference Proceedings will be published in Open Access format.
- Abstracts from the meeting will be published (with permission).
- •Expert Workshops will produce consensus statements.

**Format of the conference:** As a COST Action, the conference will be highly interactive. It will include state of the art lectures, poster sessions and shorter talks to get us thinking about the gaps in our understanding of PCD. It includes several workshops, small group discussions and interactive plenary sessions to allow us to generate questions, consolidate collaborations and develop plans for taking the research agenda forward in the laboratory and clinic.

**Venue**: **ADEIT** Plaza Virgen de la Paz, 3. 46001 Valencia, Spain. **www.adeituv.es** 



#### Secretariat:

Jane Lucas Claire Hogg

BEAT-PCD Steering Committee

## **Project Co-ordinator:**

Lynn Reeves

### **Host organisation:**

Francisco Dasí Ana Reula Mercedes Navarro









# FINAL PROGRAMME - BEAT-PCD CONFERENCE / TRAINING SCHOOL 18-21 APRIL 2017, VALENCIA, SPAIN

BEAT-PCD BETTER EXPERIMENTAL APPROACHES TO TREAT PCD			Wednesday 19th April			Thursday 20th April			Friday 21st April	
		9am	MAIN HALL: Chair Dom Norris and Claire Hogg. Plenary Lectures: Novel tools for PCD Diagnostics and Research: Super Resolution Imaging, Martin Knight; Novel tools for PCD Diagnostics and Research: Tomography, Amelia Shoemark.		9am	MAIN HALL: Chair Kim Nielsen and Sara Pastor. Plenary Lectures: PCD is not a variant of CF: implications for HRCT. Phil Robinson; What are the similarities and difference between PCD and CF bacterial colonisation? Helle Krogh Johansen.		9am	Claire Hogg and Maciej Dabrowski. STSM project presentations: 1) Air-liquid interface culture of human nasal epithelial	Senior clinicians/ researchers Workshops x3 small rooms
		10am	ВІ	BREAK		MAIN HALL: Chair Claire Hogg and Suzanne Crowley. Difficult Cases (management)			cells and PCD diagnostic processes. <b>Ana Reula</b> <b>Martin</b> ; <b>2)</b> Development	
		10.30 am	MAIN HALL: Chair Claudia Kuehni, Panayiotis Kouis. Oral presentations (6 x 20min):  1) What is a respiratory exacerbation? Experience from CF. Antonio Moreno. 2) Management of the ears and hearing in patients with PCD. Jean-Francois Papon. 3) Management of the sinuses in PCD. Mikkel Alanin. 4) Understanding the disease aetiology of complex diseases via Systems Biology based approaches to 'omics' data. Osman Ugur Sezerman. 5) Looking for a molecular and morphological marker: ciliary length and intrafragellar transport protein IFT46. Miguel Armengot. 6) The role of cilia related genes in spermatogenesis and male fertility. Anu Sironen.		10.30 am				of epidemiological studies in PCD patients with a focus on ENT aspects. Myrona Goutaki; 3) Specialised diagnostic techniques in PCD. Mieke Boon; 4) Title TBC. Ana Jacinto. This session will also include 1 short presentation: Neutrophils from PCD patients	
	Tuesday 18th April	12.30 pm			12.30 pm				display reduced chemotaxis to CXCR2 ligands. <b>Maaike</b>	
1pm	REGISTRATION	<b>P</b>	LUNCH		<b>P</b>	LUNG			Cockx.	
1.30 pm	WELCOME CEREMONY: Esteban Morcillo, Chancellor University of Valencia; Jane Lucas, Chair of BEATPCD; Claire Hogg, Lead for Training School; Francisco Dasí, Host Organiser of Conference.	1.30 pm			1.30 pm	LUNCH		10.30 am		
2pm 2.30 pm	MAIN HALL: Chair Hannah Mitchison and Susanna Lopes: Plenary Lectures: Novel directed therapies to treat PCD Speaker, Heymut Omran; Gene Therapy in rare respiratory diseases: Lessons from alpha-1 antitrypsin deficiency, Francisco Dasí.	2pm	Workshops:  1) Meet the Editor.  Dom Norris, Hannah Mitchison.  Senior clinicians/ Academics Workshops (I invitation from facilitators)  1) To develop a consensus for analysing and reporting		2pm	1) Airway clearance. Victoria Keenan, Gemma Marsh.	Senior clinicians/ researchers Works (by invitation from facilitators)	10.30 am	BREAK	
3pm	MAIN HALL: Chair Bruna Rubbo and Cordula Koerner-Rettberg: Update on WG projects and Discussions for future projects (10 min talks + 5 min discussion):  1) iPCD cohort update, Myrona Goutaki. 2) Clinical proforma, Myrona Goutaki. 3) ERN-LUNG and Registry, Heymut Omran. 4) Delivery of care for PCD across Europe, Bruna Rubbo. 5) Microbiome study, Mary Carroll. 6) New project Ventilation tubes: clinical trials, Jean-Francois Papon. 7) Frequency and management of fertility in patients with PCD, Bernard Maitre.		2) Transition from pediatric to adult care. Ready Steady Go! Amanda Harris and Amanda Friend. 3) Working with Industry. Ulla Seppala (Circassia) and David Gillen (Vertex)	TEM. Amelia Shoemark and Estelle Escoudier. 2) To develop a consensus statement for PCD and cross infections. Kim Nielsen and Helle Johansen.		2) Gene Therapy. Francisco Dasí. 3) High Speed Video Analysis. Claire Jackson, Rob Hirst.	Consensus statement to define a respiratory exacerbation. Jane Lucas and Siobhan Carr.	12.30	MAIN HALL: Chair Andreia Pinto and Deborah Snijders: Oral presentations (4x20 min)  1) Oxidative stress in rare respiratory diseases: PCD. Ana Reula; 2) Bronchial hyper-responsivenes and airway inflammation markers in patients with PCD. Teresa Romero; 3) Accuracy of Immunofluorescence in the Diagnosis of PCD. Emily Frost; 4) Targeted next generation sequencing in PCD: high diagnostic yield and potential for novel gene therapy. Mahmoud Fassad.	
		3.30 pm		Management committee meeting	3.30 pm	Workshop: Diagn		pm		
4.45 pm		4.45 pm			4.45 pm	% and Kill Hielsell.		12.30 pm	Prize Giving	
4.45 pm	BREAK	4.45 pm			5.15 pm	PCD European Network Meeting. Chair		End of Training School and Conference		
5.15 pm 6.45 pm	MAIN HALL: Chair Julie Duncan and Zuzanna Bukowy-Bieryllo: Update on WG projects and Discussion for future projects: 8) Lobectomy for PCD: a cohort and nested case-control approach, Panayiotis Kuois. 9) PROVALF-PCD, Bruna Rubbo, 10) PCD Terapheutic Education Programme (France) Jean-Francois Papon. 11) New project Clinical studies in PCD: can we learn from Paediatric Oncology? Claudia Kuehni, 12) Screening for PCD in high prevalence populations, Eduardo Moya. 13) Effective physiotherapy, Lynne Schoefield.	6.45 pm	Poster session: chosen from abstracts			Heymut Omran and F	•		N SCIENCE AND TECHNOLOGY	