



ETPN2017
OCTOBER 17-19, 2017
MALAGA, SPAIN

12th Annual event of the
European Technology Platform on Nanomedicine

ETPN2017

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MALAGA, SPAIN



in collaboration with



NANOMED
S P A I N



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Acknowledgments

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Academia Malagueña de Ciencias

Un enorme agradecimiento personal a:

Ainhoa González Muñoz, M^a Dolores Navas Castillo, Antonio Navarro Otermin (BIONAND) y Johanna Scheper Sigmund (CIBER BBN).

Program at a glance

	Tuesday, Oct. 17	Wednesday, Oct. 18	Thursday, Oct. 19	Thursday, Oct. 19 ENATRANS event
08:00	Registration	Registration	Registration	
08:30				
09:00	ETPN General Assembly	The Nanomedicine Translation Hub	Keynote lecture #2 Bertrand Loubaton	Nanomed TAB sessions
09:30			Funding Opportunities / Brokerage	
10:00				
10:30				
11:00	Coffee break	Coffee break	Coffee break	
11:30	ETPN working groups parallel meetings	Pitch me up!	Pitch me up!	
12:00				
12:30				
13:00	Lunch at Melia Costal del Sol Hotel	Lunch at Melia Costal del Sol Hotel	Lunch at Melia Costal del Sol Hotel	
13:30				
14:00	ETPN General Assembly	Trends in Nanomedicine by the Spanish Nanomed Community	Current EU projects in Nanomedicine Reports of the finishing projects and the new ones	
14:30				
15:00				
15:30				
16:00	Coffee break	Coffee break		
16:30	Welcome talks	Disruptive medicine Update on ETSHER & Trends in Med. Tech.		
17:00				
17:30	Keynote lecture #1 Dr. Jesús M. de la Fuente			
18:00				
18:30		Transfer by bus		
19:00		Visit of BIONAND		
19:30	Transfer by bus			
20:00	Welcome reception Rectorado de la Universidad de Málaga			
20:30		Transfer by bus		
21:00		Gala evening Networking dinner at Hacienda Nadales		
21:30				
22:00				
22:30				

in blue: sessions open for ETPN members only
in green: sessions open to all attendees
in red : sessions to present your work

MORE INFORMATION ONLINE: www.etpn2017.eu/program

www.etpn2017.eu

ETPN2017 venue: Meliá Costa del Sol Hotel

Paseo Marítimo, 11, 29620 Torremolinos, Málaga, Spain

Tuesday, October 17th

8:00 – 9:00 Registration

*****FOR ETPN MEMBERS ONLY*****

**9:00 – 11:00 General Assembly 2017 of the ETPN Association
(part 1)**

- Activity report 2016-2017 from the ETPN Secretariat (vote: validation of accounts)
- Action plan for 2017-2018 (vote: budget proposal)
- Renewal of the ETPN Executive Board for 2017-2019 (vote: election of the ETPN Bureau and Working Group Leaders)
- Presentation of ETPN2018

11:00 – 11:30 Coffee break & poster exhibition

11:30 – 13:00 Parallel meetings of the working groups
(rooms indicated on site)

13:00 – 14:00 Lunch & poster exhibition

**14:00-16:00 General Assembly 2017 of the ETPN association
(part 2)**

- Reports from the ETPN working group meetings
- Upgraded action plan 2017-2018
- Open discussion

16:00 – 16:30 Coffee break & poster exhibition

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***** OPEN TO EVERY ETPN2017 ATTENDEE!*****

16:30 - 17:15 Welcome talks of ETPN2017

- **Patrick Boisseau** Chairman of the ETPN
- **Prof. Rodolfo Miranda** Director of IMDEA Nanociencia
- **Prof. Ramon Martinez-Mañez** Scientific Director of CIBER-BBN
- **Prof. Josep Samitier** Director of IBEC & Scientific Coordinator of the **Spanish Nanomedicine Platform**
- **Prof. Jose Becerra** Full Professor of Cell Biology at the **Universidad de Málaga** & Scientific Director of **BIONAND**
- **Prof. Juan Teodomiro López Navarrete** Vice-Rector of **Universidad de Málaga**

17:15 - 18:00 Keynote lecture by Dr. Jesús M. de la Fuente

Instituto de Ciencia de Materiales de Aragón – CSIC/University of Zaragoza / CIBER-BBN

« **Studying the Heat Effect of Nanoparticles for Therapy and Diagnosis** »

19:30 Transfer by bus

Meeting point: Lobby of the Meliá Costa del Sol Hotel

20:00 – 22:30 Welcome reception

Rectorado de la Universidad de Málaga

Av. de Cervantes, 2, 29016 Málaga

Wednesday, October 18th

8:00 - 9:00 Registration

09:00 - 10:30 Lessons from the Nanomedicine Translation HUB

(chair: Patrick Boisseau)

- Introduction by **Patrick Boisseau** (ETPN)
- **Nicolas Gouze** (VDI VDE IT) Update on the ENATRANS project
- **Pedro Silva** (TecMinho) Update on the [Nanomed Translation Advisory Board](#) (TAB)

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- **Simon Baconnier** (CEA) Update on the [European Nanomedicine Characterization Lab](#) (EU-NCL)
- **Iraida Loinaz** (Fundacion CIDETEC) Update about the pilot line Nanopilot
- **Silvie Meeuwissen** (ChemConnection BV) A CDMO for API's and nanomedicines
- Q&A

11:00 - 11:30 Coffee break & poster exhibition

11:30 - 13:00 Pitch me up!

Selected abstracts (session #1)

- **Fernando Herranz** (Centro Nacional de Investigaciones Cardiovasculares - Spain) Core-doped Nano-radiotracers for enhanced molecular imaging: pulmonary and cardiovascular applications
- **Izabel Alfany** (LEITAT - Spain) HYPOSENS: Nano-confined photonic system for detection of breast cancer spread to the lymph nodes.
- **Lorena Diéguez** (INL - Portugal) Label-free isolation and multiplex analysis of Circulation Tumor Cells on a chip
- **Janos Szebeni** (SeroScience Ltd – Hungary) Porcine test for the prediction of nanoparticle-induced hypersensitivity reactions
- **Giuseppina Sandri** (Tefarco Innova - Italy) Nanotechnologies in tissue repair.
- **Roke Iñaki Oruezabal Guijarro** (Innovation & Development dpt. of the Regional Andalusian Ministry of Health / Andalusian Initiative for Advanced Therapies - Spain) Nanotechnological approaches for cell therapy products optimization: Combination of bioengineered skin, growth factor- and antibiotic-loaded nanoparticles towards an improved chronic wound therapy
- **Leonor Santos-Ruiz** (CIBER BBN / BIONAND – Spain) RGD-hemidendrons accelerate colonization of titanium alloy surfaces by osteoprogenitor cells. Implications for prosthesis design.
- Q&A

13:00 - 14:00 Lunch & poster exhibition

14:00 - 16:00 Trends in Nanomedicine by the Spanish community of Nanomedicine

- Prof. Álvaro Somoza (IMDEA) Therapy & drug delivery
- Prof. Angel Raya (CIBER BBN – ICREA - CMRB) Regenerative Medicine
- Marc Ramis Castelltort (Senolytic Therapeutics)
- Begoña Castro (HISTOCELL)
- Prof. Iñigo Molina (BIONAND Integrated photonics: From communications to advanced biosensors
- Q&A

16:00 - 16:30 Coffee break & poster exhibition

16:30 – 17:30 Disruptive medicine (chair: Serge Bernasconi)

- Introduction by Serge Bernasconi (CEO at MedTech Europe)
- Patrick Boisseau Update on the ESTHER task force
- Pierre Bauër (Abbelight – France) Super resolution microscopy solutions for biological samples.
- Guillermo de la Cueva Méndez (SelecTA Nanosystems, S.L. / BIONAND / IBIMA – Spain) Toxin-antitoxin-based smart therapeutic nanosystems for personalized cancer treatment.
- Furio Gramatica (Fondazione Don Gnocchi – Italy) Robotics for rehabilitation of patients – Translation of a Key Enabling Technology from a clinical perspective.
- Q&A

18:30 Transfer by bus *Meeting point:* Lobby of the Meliá Hotel

18:30 – 19:30 Visit & Lab tour of BIONAND

19:30 Transfer by bus *Meeting point:* Announced on spot at BIONAND

19:30 – 23:30 ETPN2017 gala evening

Cocktail, networking diner & entertainment from Andalucía at

Hacienda Nadales Cmo. de Casabermeja, 128, 29014 Málaga

Thursday, October 19th

8:00 – 9:00 Registration

9:00 - 9:50 Keynote lecture by Bertrand Loubaton

CEO at AdapTherapy / ex-Chairman of the ETPN

« **Innovation in Precision Medicine** »

9:50 – 11:00 Funding Opportunities & Brokerage event

- **Heico Frima** (Programme Officer at the European Commission) Overview of the upcoming H2020 NMBP Work Programme for 2018-2020
- **BROKERAGE EVENT** on H2020 NMBP calls (please send pitch in advance)

11:00 – 11:30 Coffee break & poster exhibition

11:30 – 11:45 Presentation of Nano4P Flagship Initiative

Prof. Ramon Martinez-Mañez (Scientific Director at CIBER-BBN)

Precision Nanomedicine for People (www.Nano4P.eu)

11:45 - 13:00 Pitch me up!

Selected abstracts (session #2)

- **Ling Peng** (CNRS – France) Dendrimer nanotechnology in biomedical applications
- **Marco Monopoli** (Pharmaceutical and Medicinal Chemistry Department, Royal College of Surgeons in Ireland - Ireland) Impact of the glycosylation of the corona in Nanomedicine
- **Andreani Odysseos** (EPOS-lasis -Cyprus) Spatiotemporal distribution of silica-coated, dye-doped maghemite nanoparticles in normal brain tissue and orthotopic glioblastoma models
- **Prof. Jos M.J. Paulusse** (University of Twente, Dept. Biomolecular Nanotech. - The Netherlands) Main-Chain Degradable Polymer Nanoparticles as Gene Delivery Vectors
- **José Manuel Ageitos Martínez** (University of Santiago de Compostela - Spain) Nanostructured fibroin/dextran biomatrices for drug delivery

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13:00 - 14:00 Lunch & ETPN2017 Poster awards ceremony*

**with the great support of the Malaga Academy of Sciences*

14:00 - 16:00 Dissemination from H2020 NMBP projects

Ongoing projects

- **Iraida Loinaz** (Fundacion CIDETEC - Spain) **PneumoMP** - Development of a theragnostic system for the treatment of Gram-negative bacterial infections of the lung.
- **Ronja Widenbring** (RISE – Sweden) **FORMAMP** - Innovative nanoformulation design of antimicrobial peptides
- **Daniel Pérez** (Nanoimmunotech – Spain) **NAREB** - Nanotherapeutics for Antibiotic Resistant Emerging Bacterial pathogens
- **Prof. María José Alonso** (CIMUS Research Institute – Spain) – **Trans-Int** New Oral Nanomedicines: Transporting Therapeutic Macromolecules across the Intestinal Barrier

Starting projects

- **Alexandre Ceccaldi** (ETPN) **NOBEL** Mobilizing the nano-biomedical ecosystem in Europe
- **Prof. Raymond Schiffelers** (UMCU - The Netherlands) **B-SMART** Nanotechnological RNA delivery systems targeting the direct cause of Alzheimer's
- **Daniele Catalucci** (National Research Council IRGB - Italy) **CUPIDO** Inhalable nanoparticles to the heart
- **Inge Nelissen** (VITO NV – Belgium) **M3DLOC** Additive manufacturing of 3D microfluidic MEMS for lab-on-a-chip applications
- **Fabrice Navarro** (CEA - France) **New Deal** New siRNA Nanotherapy for Inflammatory Bowel Diseases, targeting Janus kinase 3
- **Izabel Alfany** (LEITAT - Spain) **nTRACK** Multimodal Nanoparticles for Muscle Regeneration
- **Patrick Boisseau** (CEA – France) **REFINE** Regulatory Science Framework for Nano(bio)materials based medical products and devices
- **Nora Ventosa** (CIBER-BBN - Spain) **Smart-4-Fabry** Smart multifunctional GLA-nanoformulation for treating Fabry disease”

ENATRANS event on October 19th

9:00 - 15:00 Live sessions of the Nanomed Translation Advisory Board

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Any question ? Any problem? Contact us anytime!

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