

## FINAL PROGRAM

# MycoZAR 2017

28<sup>th</sup> - 29<sup>th</sup> September, 2017

**Venue:** **Caixa Forum**  
C/ José Anselmo Clavé, 4, 50004, Zaragoza.

**Organizers:** José Antonio Aínsa (UNIZAR)  
Carlos Martín (UNIZAR)  
Santiago Ramón-García (ARAID/UNIZAR)  
Sofía Samper (IACS)



**Universidad**  
Zaragoza



# MycoZAR

28<sup>th</sup> - 29<sup>th</sup> September, 2017

## FINAL PROGRAM

Venue: Caixa Forum ZARAGOZA  
C/Anselmo Clave n 4

Sept 28<sup>th</sup>, 2017 - Thursday

	Title	Speaker/ Chairman	Institution
9:15 - 9:30	<b>Reception and Welcoming</b>	Santiago Ramón / Sofia Samper / Iñaki Comas	ARAID / IACS / CSIC-Val
		Moderator: <b>Santiago Ramón</b>	
9:30 - 10:00	GSK070: From Bench to Man A Novel Clinical Candidate for the Treatment of Tuberculosis	Esther Pérez Herrán	GSK
10:00 - 10:20	The bactericidal and synergistic activity of the circular bacteriocin AS-48 against mycobacteria	Clara Aguilar	UNIZAR
10:20 - 10:40	Transposon mutagenesis to identify isoniazid resistance determinants in <i>Mycobacterium tuberculosis</i>	Victoria Furió Gomar-González	CSIC -Val
10:40 - 11:10	<b>Coffee break</b>		
		Moderator: <b>Ainhoa Lucía</b>	
11:10 - 11:30	TBD	Marcelo Guerín	CICbioGUNE
11:30 - 11:50	Effects of blocking mycobacterial cell division at early and late stages	Susanne Gola	CNB-CSIC
11:50 - 12:10	Immunological implications of surface polysaccharide antigenic variability in <i>Mycobacterium tuberculosis</i>	Rafael Prados-Rosales	CICbioGUNE
12:10 - 12:30	Comparative <i>in vivo</i> studies of the virulence phenotype between different species from the <i>Mycobacterium tuberculosis</i> complex	Elena Mata	UNIZAR
12:30 - 12:50	Screening for mycobacterial virulence genes by transposon insertion sequencing	Marte Singsås Dragset	UTE
13:00 - 14:00	<b>Lunch time</b>		
		Moderator: <b>Nacho Aguiló</b>	
14:00 - 14:20	Knockout construction in <i>Mycobacterium tuberculosis</i> and its application to vaccine development	Irene Pérez	UNIZAR
14:20 - 14:40	Optimizing heterologous protein secretion in <i>Mycobacterium tuberculosis</i>	Esther Broset	UNIZAR
14:40 - 15:00	Insights on the mechanism of action of Nyaditum resae(R)	Paula Cardona	UTE
15:00 - 15:20	Effect of new tuberculosis vaccine candidate in immunotherapy of bladder cancer: <i>in vitro</i> and <i>in vivo</i> models	Samuel Álvarez	UNIZAR
15:20 - 15:40	Using BCG as experimental treatment for asthma in mice models	Raquel Tarancón	UNIZAR
15:40 - 16:00	Immune response following intravesical BCG and <i>M. brumae</i> instillations in the murine model of bladder cancer	Esther Julián	UAB
16:00 - 17:00	<b>Coffee break / Poster session / Group Picture</b>		
		Moderator: <b>Rafael Prados</b>	
17:00 - 17:20	Processing TB granuloma samples for host-expression studies: experience from the SH-TBL project	Albert Despuig	UTE
17:20 - 17:40	Unveiling the mechanisms of mycobacteria-induced anemia	Ana Cordeiro Gomes	IBMC-i3S, Porto
17:40 - 18:00	Trehalose polyphleates and cord formation in <i>Mycobacterium abscessus</i>	Marta Llorens	UAB
18:00 - 19:00	<b>MycoNet meeting (for MycoNet members only)</b>	Coord. Iñaki Comas	CSIC -Val
19:00 - 20:00	<b>CIBERES meeting (for CIBERES members only)</b>	Coord. José A. Ainsa	UNIZAR
21:00	<b>Dinner (attendance optional): La Lobera de Martín</b>		

# MycoZAR

28<sup>th</sup> - 29<sup>th</sup> September, 2017

Sept 29<sup>th</sup>, 2017 - Friday

	Title	Speaker	Institution
		Moderator: <b>Susanne Gola</b>	
9:00 - 9:20	ToBe or not SILENT, that's the question	María Jesús García	UAM
9:20 - 9:40	Diagnostic challenges for multidrug resistant tuberculosis and next generation sequencing	Anandi Martin	UCLouvain, Belgium
9:40 - 10:00	Evolution of the <i>Mycobacterium tuberculosis</i> complex	Mireia Coscolla	UV (IBV-CSIC)
10:00 - 10:20	Evaluation of microbiota and immune responses in a comorbidity model of obesity and tuberculosis, BCG vaccination and multiple infection	Lilibeth Arias	UTE
10:20 - 10:40	Advances in the study of the mycobacterial mismatch repair	Alfredo Castañeda	CNB-CSIC
10:40 - 11:00	Characterization of new cellular markers for tuberculosis management	Irene Latorre	IGTIP
11:00 - 11:30	<b>Coffee break / Poster session</b>		
		Moderator: <b>Sofía Samper</b>	
11:30 - 11:50	Developing a new <i>Drosophila melanogaster</i> model to study tuberculosis	Marta Arch	UTE
11:50 - 12:10	New strategies for a trans-border surveillance of tuberculosis transmission involving immigrants	Estefanía Abascal	H.G.Marañón
12:10 - 12:30	The impact of HIV and diabetes in the <i>Mycobacterium tuberculosis</i> population structure and disease severity: a study focused in Porto, Portugal	Baltazar Cá	IBMC-i3S, Porto
12:30 - 12:50	Tuberculosis in animals - a review (and some suggestions to collaborate with veterinarians)	Alicia Aranaz	UCM
12:50 - 13:10	<b>Concluding remarks</b>		
		<b>Iñaki Comas</b>	
	<b>Keynote presentation</b>	Moderator: <b>Carlos Martín</b>	
13:15 - 14:15	New strategies in the search for anti-tuberculosis drugs	Juan Carlos Palomino	U.Guent, Belgium
<b>Posters</b>			
P. 1	H-ferritin conditional deficient mice are more resistant to mycobacterial infection	Tania Martins	IBMC-i3S, Porto
P. 2	Functional Impact of differential IL-1 signaling in tuberculosis	Margarida Saraiva	IBMC-i3S, Porto
P. 3	Use of IFN-g and IP-10 detection in the diagnosis of latent tuberculosis infection in patients with inflammatory rheumatic diseases	Raquel Villar-Hernández	IGTIP
P. 4	Smoking cells: modifications on tuberculosis persistence.	Pablo Rodríguez	IGTIP
P. 5	The anti-TB drug bedaquiline is efficiently nanoencapsulated	Ainhoa Lucía	UNIZAR
P. 6	Genome sequencing analysis of streptomycin resistant <i>Mycobacterium tuberculosis</i> from Portuguese patients	Nuno Osorio	ICVS, Porto.
P. 7	<i>De novo</i> assembly of <i>Mycobacterium tuberculosis</i> genomes from long read sequencing technologies	Miguel Blanco Fuertes	IBV-CSIC
P. 8	Functional validation of an antigen expression and secretion system in the tuberculosis vaccine MTBVAC	Juan Calvet	UNIZAR