



# EULAC          PERMED          TECHNICAL WORKSHOP

## Innovative methodologies for data use and management in PerMed Research

This first technical workshop will take place at the LATU Technology Park in **Montevideo, Uruguay** on **December 12-13**.

It will address the methodological aspects relating to Data use and management in personalized medicine, providing a forum to present and discuss innovative methodologies in PerMed Research.

Specific topics will be presented in interdisciplinary panels by subject matter experts from EU and LAC countries. Approximately 50 participants from EU and LAC countries will attend. Participants will be selected through an application based process and will be selected on defined criteria for excellence. Thirty participants will receive a travel grant that will cover transportation and accommodation.

A report of the workshop will be elaborated by the organizing Task Force, coordinated by ECRIN and Fiocruz, and will be made publicly available. It will summarize the topics discussed at the workshop and provide specific recommendations for future joint EU-CELAC collaborations.

The following program is **Preliminary** and minor adjustments will still be made. All listed speakers have confirmed their participation. Updates will be available directly on the EULAC PerMed website<sup>1</sup>.

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<sup>1</sup> [www.eulac-permed.eu](http://www.eulac-permed.eu)



## PRELIMINARY AGENDA

| DAY 1: Thursday December 12 <sup>th</sup> , 2019       |  |
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| TIME   | AGENDA ITEM  |
| 14h-14h30  | <b>Registration</b>  |
| 14h30-14h40  | <b>Welcome and agenda presentation –</b> <ul style="list-style-type: none"> <li>• Rafael de Andrés Medina – EULAC PerMed Coordinator</li> <li>• ANII Directives</li> <li>• Jacques Demotes – Director, ECRIN</li> <li>• Manoel Barral Netto – Investigator, FIOCRUZ</li> </ul> |
| <b>TOPIC 1: INTEGRATING DATA FROM MULTIPLE SOURCES</b> |  |
| 14h40 - 16h40  | <b>Dr. Mary Furlan Feitosa - Washington University (USA/Brazil)</b><br>Disentangling the genetics of complex phenotypes integrating genome-wide association, gene-lifestyle interactions, bioinformatics and pathways  |
|  | <b>Dr. Josep Maria Haro - Parc Sanitari Sant Joan de Déu (Spain)</b><br><i>Integrating cohorts across Europe</i>   |
|  | <b>Rosa Figueroa - Universidad de Concepcion / CENS (Chile)</b><br>Challenges for Secondary use of patient healthcare information in Chile: methods, data quality, results and future perspectives   |
| 16h40-16h50  | <b>COFFEE-BREAK</b>  |
| 16h50-17h30  | <b>Dr. Boris Rebolledo – Universidad del Desarrollo (Chile)</b><br>Challenges faced when integrating multimodal genomic data - The experience of the Chilean Initiative for Human Genomic Data   |
| 17h30-18h00  | <b>General discussion</b>  |
| 19:30 - 22:00  | <b>NETWORKING EVENT (location to be confirmed)</b>   |

**DAY 2: Friday December 13<sup>th</sup>, 2019**

| TIME   | AGENDA ITEM  |
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| 9h15 - 09h30   | <b>Welcome and opening – presentation of the agenda for the day</b><br>Paula Garcia – ECRIN  |
| <b>TOPIC 2: MULTIMODAL DATA MANAGEMENT AND ANALYSES</b>                              |  |
| 09h30 - 10h50  | <b>Dr. Fabio Porto - Laboratório Nacional de Computação Científica (Brazil)</b><br>Improving the training of High Performance Athletes based on multidisciplinary Data Analysis      |
|  | <b>Dr. Adriano Barbosa da Silva – Queen Mary University (UK/Brazil)</b><br>Multimodal patient data integration to foster machine-learning aided personalized medicine                |
| 10h50 – 11h00  | <b>COFFEE BREAK</b>  |
| 11h00 - 12h20  | <b>Dr. Stefan Klein - Erasmus MC (Netherlands)</b><br>Medical Image Analysis for Personalized Medicine   |
|  | <b>Dr. Jorge Samaoya/MsC Preng Biba - Universidad Galileo (Guatemala)</b><br>Data Science at work: an overview around PerMed   |
| 12h20-13h  | <b>General discussion</b>  |
| 13h00-14h00  | <b>LUNCH</b>   |
| <b>TOPIC 3: PATIENT STRATIFICATION STRATEGIES</b>                                    |  |
| 14h00-14h40  | <b>Dr. Helder Nakaya – Universidad de Sao Paulo (Brazil) -</b><br>Network Medicine of Infectious and Inflammatory Diseases   |
| 14h40-15h20  | <b>Dr. Adrian Turjanski – Universidad de Buenos Aires (Argentina)</b><br>Translational Bioinformatics: Genomics data for clinicians and patients                                     |
| 15h20-15h30  | <b>COFFEE BREAK</b>  |
| 15h30 - 16h50  | <b>Dr. Elmer Fernandez – Universidad de Córdoba (Argentina)</b><br>Who is there? The new paradigm of molecular signatures.   |
|  | <b>Anton USSI – EATRIS (Netherlands)</b><br>Quality and reproducibility of data at preclinical level for the development of Personalized Medicine, a multiomic perspective           |
| 16h50-17h10  | <b>General discussion</b>  |
| <b>RECOMMENDATIONS FOR EU – LAC COLLABORATIONS IN PERSONALIZED MEDICINE RESEARCH</b> |  |
| 17h10-17h45  | <b>Debate and discussion – building EU – LAC cooperation</b>   |
| 17h45-18h00  | <b>Closing remarks</b> <ul style="list-style-type: none"> <li>• ANII Directives</li> <li>• Jacques Demotes – ECRIN</li> <li>• Manoel Barral Netto - Investigator, FIOCRUZ</li> </ul> |
| 18h  | <b>END OF MEETING</b>  |