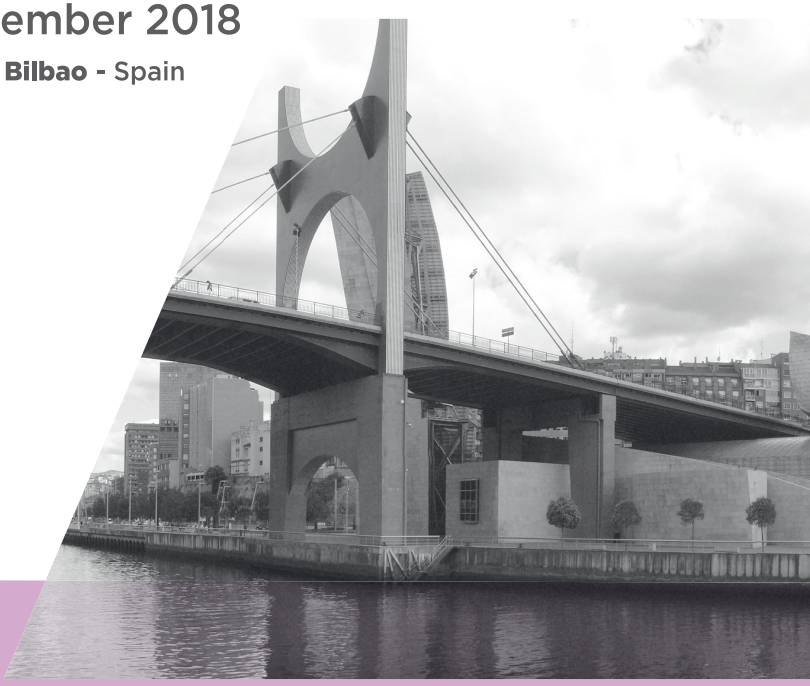
X SPANISH DRUG DISCOVERY NETWORK MEETING

22-23 November 2018

Bizkaia Aretoa - **Bilbao** - Spain



WI-FI **SSID**: EHU-wGuest **USER & PASSWORD**: SDDN2018

ORGANIZERS

SPANISH Drug Discovery Network

CIC bioGUNE
CENTER FOR COOPERATIVE RESEARCH IN BIOSCIENCES

Universidad del País Vasco Euskal Herriko Unibertsitatea

Committees

SCIENTIFIC COMMITTEE

Emilio Diez	Atlas Molecular Pharma
Olga Genilloud	Fundación MEDINA
Jesús Jiménez-Barbero	CIC bioGUNE & UPV/EHU
Gijs Jochems	Promega
Mabel Loza	Univ. Santiago de Compostela USC
María Montoya	CNIC
Oscar Millet	CIC bioGUNE
Jordi Quintana	Univ. Pompeu Fabra UPF
María Jesús Vicent	CIPF

LOCAL ORGANIZING COMMITTEE

Emilio Cocinero	UPV-EHU
Fernando Cossío	UPV-EHU
Emilio Díez	Atlas Molecular Pharma
Jesús Jiménez-Barbero	CIC bioGUNE & UPV/EHU
Oscar Millet	CIC bioGUNE
José Luis Vicario	UPV-EHU

Scientific Programme

SESSION 1
Computational predictive methods for drug discovery

Predictive methods are widely used in many stages throughout the drug discovery process. This session will feature the use of innovative and state-of-the-art computational methods, algorithms and technologies ranging from a better-informed selection of new targets to the acceleration of medicinal chemistry and the prediction of potential liabilities of the new lead molecules.

SESSION 2
Diseased relevant model systems for phenotypic drug discovery

The selection of a suitable model system is critical in the successful advancement of novel therapeutic approaches to disease. The development of models and assays that recapitulate the full complexity of the disease they intend to represent, and the ability to scale them up to screening campaigns remains a big challenge in the drug discovery field. The session will bring together experts in the field presenting innovative models across different disease areas.

SESSION 3
Entrepreneurship and financing drug discovery

The biotechnology industry, including start-up companies originated from Public Research Organisations and Academic Institutions, is responsible today for a considerable proportion of breakthroughs in the treatment of unmet medical needs, having a great impact on Society and the lives of millions of people. In this session, we will have the opportunity to learn from the success of several initiatives with very different origins and technologies, but however all sharing some common features: innovation, enthusiasm, perseverance, and a bit of genuine altruisms.

Thursday November 22nd

16:00 - 18:30 | **SESSION 1**
Computational Predictive Methods for Drug Discovery

Humberto González-Díaz
UPV-EHU

Xavier Barril
Univ. Barcelona

Teresa Sardón
Anaxomics

Andrew Leach
EMBL-EBI UK

Sonsoles Martín-Santamaría
CIB-CSIC

18:30 - 19:00 | **COFFEE BREAK**
At Sponsors´ Exhibition Area

18:30 - 19:00 | **POSTER SESSION**

Machine learning applied to virtual screening and target identification from biological records stored in public experimental databases.
Sergio Senar

Carbohydrate flexibility modulates the kinetics and thermodynamics of protein binding
Ana Gimeno

NMR studies of the interaction of DC-SIGN with the Blood Group antigens A and B
Pablo Valverde

Molecular recognition of blood group antigens by hgalectin-1
Sara Bertuzzi

Molecular recognition of blood group antigens by hgalectin-1
Sara Bertuzzi

Artificial intelligence in drug development
Nuria E. Campillo

Nmr and modeling studies on the interaction between group b streptococcus type III (GBSIII) antibody and antigenic fragments of the GBSIII capsular polysaccharide
Jon Imanol Quintana

Natural Products as new sources of nuclear translocation inhibitors using High Content Bio-Imaging
Thomas A. Mackenzie

The interaction between Mannose and DC-SIGN. A new binding mode detected by 19F-NMR experiments and MD simulations.
José Daniel Martínez

Molecular target-based design of antiviral strategies against Ebola Virus
Nuria E. Campillo

Herramienta para la evaluación de nanomateriales con componentes alimenticios: las vitaminas.
Ricardo Santana Cabello

PTML Multi-Fold Moving Average Model for Networks of Targets and Allosteric modulators
Javier Llorente

21:30 DINNER at Bistró Guggenheim

Friday November 23rd

08:30 - 11:00

SESSION 2
Disease Relevant Model Systems for Phenotypic Discovery

Jose Jalife
CNIC-Univ. Michigan

Leo Price
Ocello, Netherlands

Joaquin Castilla
CIC bioGUNE

Robert Vries
Hubrecht Organoid Technology-The Netherlands

11:00 - 11:30

COFFEE BREAK
At Sponsors´ Exhibition Area

11:30 - 12:30

POSTER SESSION

Broad Kinome Selectivity and Residence Time Profiling in Living cells using BRET
María Jurado

High Throughput Screening (HTS) to Identify Exosome Biogenesis and Release Inhibitors
Esther Masiá

Zebrafish: Speeding up the new compounds discovery process.
Iranzu Lamberto

Use of 3d spheroids cultures to screen for drugs targeting cancer stem cells
Juan Gumuzio

Advanced partnership PlaXorm for Early Drug Discovery
Olga Balabon

Fragment Libraries from Life Chemicals
Olga Balabon

Epigenetic and PPI Targeted Libraries from Life Chemicals
Olga Balabon

Development of phenotypic in vitro models of pain for early drug discovery
Antón Leandro Martínez Rodríguez

PTML Combinatorial Model for Cancer
Harbil Bediaga

Study of GOINs in Plasmodium Falciparum
Viviana F. Quevedo-Tumailli

Aplicación de un modelo PTMLIF con redes metabólicas en la predicción de la actividad antibacteriana de productos naturales
Deyani Nocedo Mena

12:30 - 14:30 | **SESSION 3**
Entrepreneurship and Financing Drug Discovery

Catherine Kettleborough
LifeArc

Teresa Tarragó
iProteos

Patricia Alfonso
Enzymlogic

Laureano Simón
Oncomatryx

Andoni Cruz
Biobide

14:30 - 15:30 | **COCKTAIL LUNCH**

NOTES

NOTES

ORGANIZERS

SPANISH Drug Discovery Network

CIC bioGUNE
CENTER FOR COOPERATIVE RESEARCH IN BIOSCIENCES

Universidad del País Vasco · Euskal Herriko Unibertsitatea

COLLABORATORS

REDEFAR

slas LABORATORY AUTOMATION AND SCREENING
come transform research

SPONSORS

Promega · cisbio INTERACTION IS EVERYTHING · MolPort · LIFE CHEMICALS · PerkinElmer For the Better · HAMAMATSU PHOTON IS OUR BUSINESS

TECHNICAL SECRETARIAT

lidera medical
gestión de eventos médicos

WI-FI **SSID**: EHU-wGuest **USER & PASSWORD**: SDDN2018
WEB www.sddn2108.com
MAIL sddn2108@lideraeventos.com