Università
Ca'Foscari
Venezia

PROJECT ACRONYM AND TITLE: **B-LigZymes - Bacterial Enzymes and Bioprocesses for Lignin Valorisation**

FUNDING PROGRAMME: **H2020 Marie-Sklodowska Curie Actions RISE: Research and Innovation Staff Exchange**

CALL: **H2020-MSCA-RISE-2018**

SCIENTIFIC FIELDS: **Applied and environmental biotechnology and enzymology**

HOST DEPARTMENT: **DSMN – Department of Molecular Sciences and Nanosystems**

SCIENTIFIC RESPONSIBLE: **Claudia Crestini**

FINANCIAL DATA:

Project total costs	Overall funding assigned to UNIVE
€ 970.600,00	€ 73.600,00

ABSTRACT:
B-LigZymes is an international, interdisciplinary and intersectorial platform that directly addresses current limitations in lignin degradation by generating technological and economical solutions inspired by fundamental research. B-LigZymes provides a holistic view for the development of biocatalytic processes involved in the valorisation of lignin. The B-LigZymes consortium is composed of 6 academic organizations, 4 of which are located in Europe (Portugal, The Netherlands, Italy and Germany), 1 in the United States and 1 in Argentina; there are 3 non-academic organizations in the partnership located in Spain, Germany and Finland. The B-LigZymes programme foster collaborations across sectors, disciplines and countries and a shared culture of research & innovation (R&I) that welcomes and rewards creativity and entrepreneurship. The existent complementarity among Beneficiary Organizations and partners enables bi-directional international and intersectorial staff exchanges and the sharing of knowledge and ideas from research to market and vice-versa. These activities will be additionally nurtured by wide network training events, such as workshops, where the contribution of members with different expertise will bring a synergistic effect. Overall, the networking activities proposed will allow research members to develop new R&I and transferable skills that will boost future career opportunities, strengthening Europe's human capital, competitiveness and growth and, contributing for a knowledge-based economy and society, in accordance to the expected objectives and impact of the RISE's MSCA call.

Planned Start date	Planned End date
1st February 2019	31st January 2023

PARTNERSHIP:

1.	UNIVERSIDADE NOVA DE LISBOA	PORTOGALLO	Coordinatore
2.	UNIVERSITA CA' FOSCARI	ITALIA	Partner
3.	RIJKSUNIVERSITEIT GRONINGEN	OLANDA	Partner
4.	UNIVERSITA DEGLI STUDI DI ROMA TOR VERGATA	ITALIA	Partner
5.	TECHNISCHE UNIVERSITAET BRAUNSCHWEIG	GERMANIA	Partner
6.	ZYMVOL BIOMODELING SL	SPAGNA	Partner
7.	SESAM-BIOTECH GMBH	GERMANIA	Partner
8.	METGEN OY	FINLANDIA	Partner
9.	INQUIMAE (CONICET)	ARGENTINA	Partner
10.	North Carolina State University	STATI UNITI	Partner