ArtMoMa

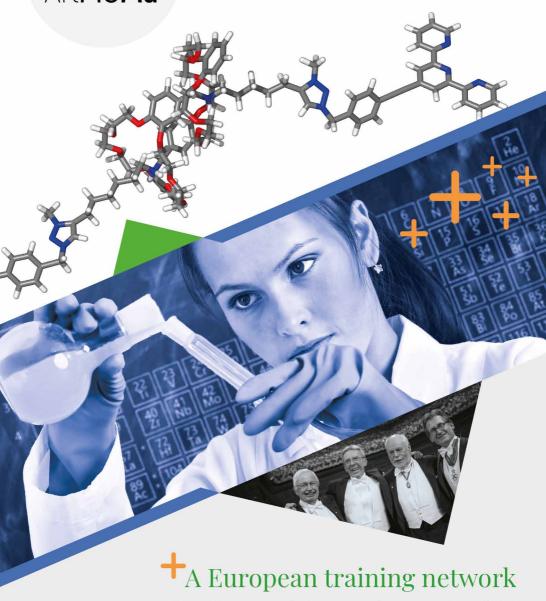## **Art**ificial **Mo**lecular **Ma**chines

ArtMoMa

+A European training network

Reaching new heights in the emerging field
of artificial molecular machines.

ArtMoMa is an Innovative Training Network of leading scientists, world-class institutions, training partners and several industries from all over Europe and beyond.

The project aims to reach new heights in the emerging field of artificial molecular machines, and to train a new generation of visionary researchers capable of conducting high risk and high gain research.

In a nutshell

4 years

01/03/**2020**
29/02/**2024**

Grant amount
€**4.1** million

4
Nobel Laureates involved

15
Early Stage Researchers

7 academic laboratories
6 training partners
7 industrial partners

+ Push scientific boundaries further

Artificial molecular machines have the potential to revolutionise medical treatment, material design, and energy conversion for the benefit of our societies. Key fundamental aspects have been studied and the findings were awarded the 2016 Nobel Prize for Chemistry. Now, it's time to explore entirely new directions of fundamental research towards game-changing and technologically relevant implementations. ArtMoMa will carry out 15 top level and multidisciplinary research projects at leading institutions by promoting academic and industrial cooperation across Europe.

Research
Artificial Molecular Machines
Cooperation
Training
Innovation
Complex Systems
Chemistry
Scientific Excellence
Leadership
Industrial Secondments
Smart Materials
Tomorrow's Technologies

The consortium

+ Scientists
• Companies

+ Train and mentor tomorrow's researchers

ArtMoMa strives to create a community of knowledge that can drive exciting and new advances in science, while structuring research training methods at the European level and improving career prospects for young researchers in the public and private sectors. The ArtMoMa training programme includes research activities, secondments, and participation in conferences at international levels, which will foster researchers' mobility and international cooperation. Intercultural teams from 5 different countries are hosting 15 Early Stage Researchers, who will form a critical mass of fully skilled young professionals acting as multipliers to develop technologies across Europe.

Academic Partners

Centre national de la recherche scientifique CNRS (FR), Université de Strasbourg (FR), The University of Manchester (UK), The Chancellor, Masters and Scholars of the University of Oxford (UK), Technische Universitaet Dresden (DE), Rijkuniversiteit Groningen (NL), Consiglio Nazionale delle Ricerche (IT)

Industrial Partners

Soprema (FR), ATDBio Limited (UK), Danone Research (FR), Orgentis Chemicals GmbH (DE), Solvay SA (BE), Tarkett GDL SA (LU), Xeltis BV (NL)

Training Partners

Nature Nanotechnology (UK), Wiley-VCH Verlag Gmbh & Co (DE), European Certification and Qualification Association GmbH (AT), GWT-TUD Gmbh (DE), Storyrunner (BE), Alma Mater Studiorum - Università di Bologna (IT)

Partners

ArtMoMa
Artificial
Molecular Machines

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