

# Network of Functional Molecular Containers with Controlled Switchable Abilities



Timeline | 04/2018 to 09/2022



ICIQ People | [P. Ballester Research Group](#)



Budget | 2,525,640 €



<https://www.noah-itn.eu>

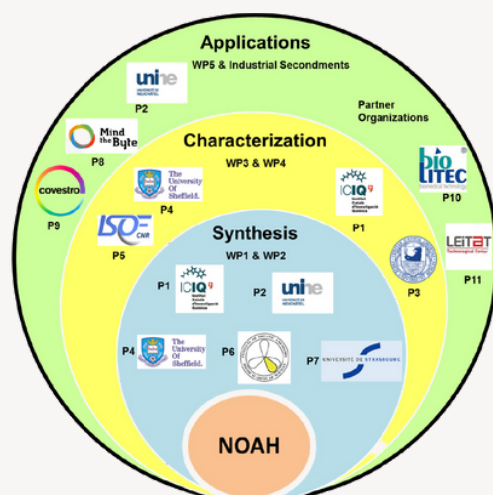
ICIQ's Budget | 516,402 €



Call | [H2020-MSCA-ITN-2017](#)

## SUMMARY

**NOAH** deals with the education of early-stage researchers (ESRs) in a multidisciplinary chemical research program within the area of functional molecular containers, encapsulation processes and their applications with the possibility to end up with a PhD degree. The proposed training network aims to bring in a great variety of scientific attributes to 10 selected ESRs, ranging from the experimental organic and inorganic synthesis to computational chemistry. Photo- and electro-chemistry, MS/gas-phase chemistry, X-ray diffraction and optical spectroscopy techniques will be also included in the scientific formation and development of the recruited ESRs. The trainees will also receive education in complementary and transferable skills through attendance to local and network-wide dedicated training seminars (e.g. dissemination, communication, organization, governance, ethics...). The training program includes the exposure of the ESRs to chemical research carried out in the non-academic sector or in a technological centre by means of full recruitment or short stage secondments in one of the three chemical European companies or the technological centre operating at very different levels. ESRs will also gain insight in the transfer process of knowledge from academia to industry and other complementary soft-skills. The proposed ITN constitutes an ideal framework to acquaint ESRs, with a great variety of scientific skills, experimental techniques, soft-skills and technologies.



## CONSORTIA

**ICIQ**  
Project coordinator

**WARWICK**  
THE UNIVERSITY OF WARWICK

**unine**  
UNIVERSITÉ DE NEUCHÂTEL

UNIVERSITÉ DE STRASBOURG

**LSC**  
CNR

Freie Universität Berlin

UNIVERSITAT DE VALÈNCIA  
 covestro

UNIVERSITAT DE BARCELONA

UNIVERSITAT ROVIRA I VIRGILI

**bioLITEC** LEITAT  
managing technologies



### Local training

#### Scientific knowledge

- Chemistry Courses
- Technical Courses
- Specific Knowledge
- Multidisciplinary Training

#### Soft Skills

- Continuing Training
- Teaching
- Language Courses



### Network-wide training

#### NOAH Schools

- Supramolecular Chemistry and Supramolecular Crystallography
- Electrochemistry, Photochemistry and Photonics
- Kinetic and Thermodynamic Characterization of Supramolecular Complexes

#### Industry days

- Team, Financial and Time management
- Career Development Plan
- Formulation development in industry
- Management of R&D proposals

#### Peer-revision activities

- Critical Thinking

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