



## Our Network

### Academic beneficiaries



Institute of Organic Chemistry  
Polish Academy of Sciences



UNIVERSITY  
OF AMSTERDAM



Universität  
Zürich<sup>UZH</sup>

### Industrial partners



THALESNano

### Partner Organisations



## Do you want to know more?



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## C-H Activation for Industrial Renewal



Funded by the EU





## International research, all over Europe

CHAIR is a EU-funded Marie Curie Action "Innovative Training Network" (ITN), a 4-year collaborative doctoral research programme (2020-2024).

With 15 partners (8 academic and 7 industrial) in 10 European countries and 15 ESRs (Early Stage Researchers) from all over the world, we focus on one of the most promising yet underexploited method in chemistry: **C-H Activation**.

## Our objectives

Working towards sustainable and efficient synthetic chemistry



Train the next generation  
of chemists on C-H  
Activation.



Design new cost-  
efficient and eco-friendly  
methodologies.



Bridge the gap  
between industry  
and academia.

## Our Research, organised around 4 axes

### #1 Molecular Diversity *via* Direct Functionalization

Speed up the synthesis of drug candidates and agrochemicals for structure-activity studies and devise new synthetic protocols to synthesise (chiral) biologically relevant molecules.

### #2 Design of New Materials

Develop C-H activation methods for the synthesis of advanced material scaffolds, such as OLEDs, biopolymers, and novel chiral homo- and heterogeneous catalysts.

### #3 Feedstock Valorisation

Valorise natural feedstock as a source of abundant raw materials to generate new building blocks for pharmaceutical and agrochemical industries, through C-H functionalization.

### #4 Sustainable and Safe C-H Activation

Target safe, efficient & environmentally benign C-H activation reactions applicable for a large-scale production, to facilitate the implementation of C-H activation in industry.

